

## Thapar Data

### Mission

Thapar Institute of Engineering & Technology, which comprises of inter-disciplinary exploration and invention, has contributed to many technological advancements and scientific breakthroughs within India and beyond. The teaching pedagogy employed for the engineering programmes offered at Thapar Institute of Engineering & Technology reflects the long held ethos, which advocate that engineering education should be broad-based and should enable students to develop their professional careers.

### Vision

Our vision is to build a sustainable society through education, which is centered around extensive learning, research and development. We wish to be recognised as a leader committed to excellence in higher education, and to give our students the power to innovate and discover countless possibilities through academic learning and exposure.

Thapar Institute of Engineering and Technology, informally Thapar University, is a private institute deemed to be university, located in Patiala, Punjab, India. It was founded in 1956 by Karam Chand Thapar.

The university offers undergraduate, postgraduate, and doctoral programs in various fields of Engineering and Technology, Sciences, Humanities, and more. It is known for its strong focus on research and has collaborations with several international universities for student exchange programs and research.

As of my knowledge cutoff in September 2023, the university has been ranked among the top engineering institutions in India by several ranking bodies. For more recent and detailed information, you might want to visit the official website or contact the institution directly.

Thapar Institute of Engineering and Technology, commonly referred to as Thapar University, is one of India's oldest and finest educational institutions, which provides a multitude of academic and industry-oriented courses.

### Thapar University Facilities

Thapar University's infrastructure and facilities are modern and updated. Furthermore, Thapar Institute of Engineering and Technology facilities and infrastructure are equipped for recreational activities to foster students' overall development. The university provides housing, a library, a cafeteria, a gym, and other amenities. TIET Patiala's campus also has indoor and outdoor sports facilities for students. Students have access to wifi throughout the campus. Additional Thapar Institute of Engineering and Management facilities include laboratories, a convenience store, a medical centre, an auditorium, and modern IT infrastructure.

### Thapar University Placements

Thapar University placement drive is overseen by the Centre for Industrial Liaison and Placement (CILP) which plays a significant role in facilitating placement drives at the campus. The CILP manages all Thapar University placement activities, from inviting various

public and private sector organisations to arranging campus interviews for students in their final year. The CILP organises institute-industry interaction programmes for a variety of courses and branches. Thapar University placement cell provides the infrastructure for group discussions, tests, and interviews, as well as other requirements.

#### Thapar University Location

Thapar University is situated in Bhadson Road, Adarsh Nagar, Prem Nagar, Patiala, Punjab. The Patiala Railway Station, located nearly 5 km from Thapar Institute of Engineering and Technology, is the closest railway station. The nearest airport is Chandigarh International Airport, which is 62.5 km away from the university. Flights from the airport are provided by major airlines. Patiala Bus Stand is the closest bus depot for students traveling by bus. Students can use luxury bus and taxi services at any time.

#### Infrastructure

Students are always eager to learn about the facilities that a particular university has to offer. They want to be happy with the infrastructure of the university in all ways. In addition, they ensure that universities offer the most efficient facilities with regards to:

Libraries with effective resources

Amazing hostel facilities

The most basic medical facilities

The most successful record of placements

And many other.

#### Hostel Facilities

Thapar Institute of Engineering & Technology has separate hostels for boys and girls. This means that students will not have to spend their time living and learning on campus. Also, they are able to devote more time to their studies instead of unnecessary travel. Thapar University follows a block system. The university divides hostels into eight blocks. Each block is capable of the supply of water purifiers, connecting bathrooms, installing geysers and so on. Additionally, each block is wifi-connected and is equipped with newspaper stands so that you can keep up with the latest news.

## Lawns

Thapar University has spacious lawns for students in the area. Furthermore, every lawn offers its students with the possibility of playing volleyball and basketball in addition. Thus, the students can have fun playing both games.

## Gym Facilities

Thapar University makes sure it provides fitness equipment to its alumni. Thus students are able to keep themselves mentally and physically fit. In addition, they can enjoy their leisure time in the fitness center.

## Hostel Food

Thapar Institute of Engineering & Technology has high health measures. They ensure food is cooked to be served within a clean and clean surroundings. They meet the needs of all of their students using the most hygienic food techniques. Thus, students will be able to find food safe and tasty.

## Scholarships

Thapar Institute of Engineering & Technology offers scholarship opportunities in many categories. Each course is awarded merit-based scholarship for students who have been accepted into the institution. TIET offers 75 scholarships to meritorious and deserving students. Other organizations such as Indian Oil, Vimlasons Charitable Foundation, A.C.Khanna-Balraj Chexal, Government of several states provide scholarships to students at the university. The college also provides scholarship worth 14 crores rupees for its students.

- **Merit Scholarship – I** : Provided on the basis of AIR JEE Main for students of BE/BTech course having 95% and above at 10+2 level.
- **Merit Scholarship – II** : Provided on the basis of AIR JEE Main for students of BE/BTech course having 90% and above at 10+2 level.
- **Merit Scholarship – III** : Provided on the basis of AIR JEE Main for students of BE/BTech course having 85% and above at 10+2 level.
- **Merit Scholarship – IV (A)** : Provided on the basis of PCB marks of 10+2 for students of Biotechnology or Biomedical Engineering course having 95% and above at 10+2 level.

- **Merit Scholarship – IV (B)** : Provided on the basis of PCB marks of 10+2 for students of Biotechnology or Biomedical Engineering course having 90% and above at 10+2 level.
- **Merit Scholarship – IV (C)** : Provided on the basis of PCB marks of 10+2 for students of Biotechnology or Biomedical Engineering course having 85% and above at 10+2 level.
- **Merit Scholarship – V (Lateral Entry)** : Provided on the basis of CGPA obtained in the third semester i.e. 1st semester of 2nd year for students admitted in 2nd year of BE/BTech course.
- **Alumnus Wards Scholarship** : Four scholarships @ ₹50,000/- per annum: One scholarship to one ward of alumnus in each year of BE/BTech. on the basis of merit -cum-means. These scholarships are given by the TIET Alumni Association.
- **Merit-Cum-Means Scholarships\_Normal** : For students whose gross family income is less than or equal to 8.00 lac.
- **Merit-Cum-Means Scholarships\_Special** : For students whose gross family income is less than or equal to 8.00 lac and not covered under Merit-Cum-Means Scholarships\_Normal scheme.
- **Scholarships for ME / MTech Students** : Rs. 12,400 per month will be provided to GATE qualified students on the basis of GATE scores. And Rs. 10,000 per month for 10 months will be given to students who have not qualified GATE on the basis of qualifying degree with minimum 70% marks.
- **Scholarships for MSc Students** : Scholarships to MSc students will be given on the basis of their academic performance in TIET.
- **Scholarships for MCA Students** : Scholarship of Rs. 40,000 per annum to MCA students (to 10% admitted strength) will be given on the basis of their academic performance in TIET.
- **Some other Scholarships** :
  - Merit-Cum-Means Scholarships
  - Vimlaisons Charitable Foundation Scholarships
  - AC Khanna-Balraj Chexal Scholarships
  - Shakuntla-Juneja Memorial Scholarships
  - Prof RK Virmani Scholarships
  - Late Dr. HS Khanna Scholarships
  - Smt. Sudarshan Synghal Sehgal Scholarships
  - Dipesh Chawla Memorial Scholarships

- Late Swaraj Bedi Scholarships
- Sardarni Mohinder Kaur Sidhu Memorial Scholarships
- Late HR Bhatia Scholarships
- Amir Chand and devki Bai Batra Scholarships
- Prem Sagar Gupta Merit Scholarships

In addition to all the above mentioned scholarships, there are various scholarships offered by Government of Punjab, Government of India and TIET Alumnus.

Here's some key information about Thapar University:

**Location:** The main campus is located in Patiala, Punjab, India, though it also has an additional campus in Derabassi, Punjab.

**Establishment:** Thapar University was established in 1956 by Karam Chand Thapar, an industrialist and philanthropist.

**Courses:** The university offers undergraduate, postgraduate, and doctoral programs across a range of disciplines. It offers B. Tech, M. Tech, BCA, MCA, B. Sc, M. Sc, MBA, and Ph.D. programs in areas such as Engineering, Science, Management, and Social Sciences.

**Research:** Thapar University is known for its strong emphasis on research. It has multiple research centers and laboratories, and faculty members are involved in a broad spectrum of research activities.

**Ranking:** As of my knowledge cut-off in 2023, Thapar University is ranked 20th by NIRF among the top engineering institutions in India.

**Collaborations:** Thapar University has collaborations with many universities worldwide, facilitating student and faculty exchange programs, collaborative research, and curriculum development. **Campus:** Thapar University's campus is equipped with modern infrastructure, including libraries, hostels, and sports facilities.

**Admission:** Admissions to various programs are highly competitive and are generally based on national level entrance exams. For B.Tech programs, the JEE (Joint Entrance Examination) scores are considered.

**Events and Festivals:** The University hosts a variety of cultural and technical events and festivals throughout the year, including "Saturnalia" which is one of the oldest cultural festivals in the region.

Thapar University offers a wide range of programs across various disciplines. Here are some of the key programs and specializations offered by the university:

Undergraduate Programs

- Bachelor of Technology (B.Tech): This is a 4-year undergraduate program offered in various specializations such as:

- Civil Engineering
- Computer Engineering
- Electrical Engineering
- Electronics and Communication Engineering
- Mechanical Engineering
- Chemical Engineering
- Industrial and Production Engineering
- Instrumentation and Control Engineering
- Electronics and Computer Engineering
- Biotechnology
- Mechanical Engineering (Production)
- Mechatronics

- Bachelor of Engineering (International Engineering Program): This is a 4-year program where students spend the first two years at Thapar and the next two years at partner universities abroad.

- Dual Degree Programs: The university also offers 5-year dual degree programs where students can earn a B.Tech along with an M.Tech or MBA.

Postgraduate Programs

- Master of Technology (M.Tech): This is a 2-year postgraduate program offered in various specializations such as:

- CAD/CAM Engineering
- Power Systems
- Structural Engineering
- Software Engineering
- VLSI Design
- Thermal Engineering
- Environmental Science and Technology
- Chemical Engineering
- Computer Science and Engineering

- Master

- Biotechnology

- Master

- Master

of Computer Applications (MCA) of Business Administration (MBA)

Doctoral Programs

of Science (M.Sc): This is a 2-year program offered in fields like:

- Chemistry
- Mathematics and Computing
- Physics

The university offers Ph.D. programs in various departments like:

- Civil Engineering
- Computer Science and Engineering
- Electrical and Instrumentation Engineering
- Electronics and Communication Engineering
- Mechanical Engineering
- Chemical Engineering
- Biotechnology
- Chemistry
- Mathematics
- Physics
- Humanities and Social Sciences
- Management

Please note that the availability of specific programs and specializations can vary and it is always a good idea to check the university's official website for the most up-to-date information. Additionally, the university also offers distance education and open learning programs in various disciplines.

Thapar Institute of Engineering and Technology has a number of unique selling points (USPs) that distinguish it from other institutions and give it importance on both a national and global scale.

1. Reputation and Ranking: Thapar has consistently been ranked 20th among the top engineering institutions in India. Its strong reputation for quality education and research is recognized not only in India, but also internationally.
2. Wide Range of Programs: Thapar offers a broad range of programs in engineering, science, management, and humanities at undergraduate, postgraduate, and doctoral levels. This multidisciplinary approach ensures that students from different fields can find a program that suits their interests and career goals.
3. Research and Innovation: Thapar places a strong emphasis on research and innovation. Its faculty and students are involved in a wide range of research projects, many of which have made significant contributions to their respective fields.
4. International Collaborations: Thapar has partnerships with several universities around the world. These collaborations facilitate student exchange programs, joint research projects, and dual degree programs. These international connections help students gain global exposure and expand their horizons.
5. Industry Connections: Thapar has strong connections with industry, which help in ensuring that the curriculum remains up-to-date and relevant to the needs of the industry. It also aids in providing internships and placement opportunities for students.
6. Campus and Facilities: Thapar's campus is equipped with modern infrastructure and facilities, including well-equipped laboratories, libraries, hostels, sports facilities, and more.
7. Alumni Network: Thapar has a strong network of alumni who have made their mark in various fields, both in India and abroad. This network can provide valuable connections and opportunities for current students and new graduates.
8. Cultural and Extracurricular Activities: Thapar hosts a variety of cultural and technical

events and festivals throughout the year, providing students with opportunities to showcase their talents, learn new skills, and develop a well-rounded personality.

9. Focus on All-Round Development: In addition to academic excellence, Thapar also emphasizes the all-round development of students, with numerous clubs and societies that cater to a wide range of interests and hobbies.

In the global context, Thapar's commitment to quality education, research, and innovation, as well as its international collaborations, contribute to its importance in the world. Its graduates are found in leadership positions in organizations around the globe, contributing to various fields and making a positive impact.

**Admission Requirements and Process:** Admissions to Thapar University typically require successful completion of relevant entrance exams such as the JEE for undergraduate engineering programs. The admission process usually involves applying online through the university's official website.

**Tuition Fees, Costs, Scholarships:** Tuition fees vary by program. The university offers several scholarships based on merit and need. Detailed information should be obtained from the university's admissions or finance office.

**Course Curriculum:** Curriculum varies by program and is designed to equip students with industry-relevant skills and knowledge. The university's official website or department offices can provide detailed curriculum information.

**Career Prospects:** Thapar University has a dedicated placement cell and enjoys strong industry connections, offering good career prospects in various industries.

**Faculty-Student Ratio, Faculty Experience:** The university prides itself on maintaining a healthy faculty-student ratio. Faculty typically possess high levels of experience and academic qualifications.

**Facilities and Resources:** The university offers state-of-the-art classrooms, labs, a well-stocked library, and other facilities for comprehensive learning.

**Reputation and Ranking:** As of my last training cut-off, Thapar University was consistently ranked among the top engineering institutions in India.

**Classroom Dynamics:** Class sizes, teaching methods, and evaluation techniques vary by program but are designed to encourage interactive learning.

**Internships, Exchanges, Global Exposure:** Thapar University has strong industry connections for internships and collaborations with foreign universities for exchange programs.

**Student Life:** The university offers a vibrant student life with cultural events, technical fests, clubs, and societies.

**Program Accreditation:** Most programs at Thapar University are accredited by relevant bodies. Specific accreditation details can be obtained from the university.

This is a brief guide to answering these questions. For exact answers, especially for questions about costs, admission processes, specific course content, and faculty-student ratio, it's best to contact Thapar University directly or visit its official website.



- **Admission Requirements and Process:** Admission to Thapar University's programs typically require relevant entrance exams, such as the JEE for undergraduate engineering programs, and a minimum percentage in the qualifying exam (like Class XII for undergraduate programs). The admission process usually involves applying online through the university's admission portal, submission of necessary documents, and meeting the cut-off criteria.
- **Tuition Fees and Scholarships:** Tuition fees vary depending on the program. The university does offer a variety of scholarships based on different criteria such as merit, need-based, etc. Information about the cost of programs and scholarships can be found on the university's official website or by contacting the admissions office.
- **Course Curriculum:** The curriculum varies depending on the program but is designed to provide a rigorous academic experience and practical industry knowledge. Detailed information about specific courses and topics can be obtained from the respective department or the course catalog available on the university's website.
- **Career Prospects:** Thapar University has strong placement records and industry ties, leading to good career prospects for its graduates. Students have been recruited by top companies in various sectors.
- **Faculty-Student Ratio and Faculty Experience:** The university maintains a healthy faculty-student ratio. Faculty members are highly qualified, with many holding Ph.D. degrees and having substantial experience in their respective fields.
- **Facilities and Resources:** Thapar University provides modern facilities including advanced laboratories, a well-stocked library, comfortable hostels, and more. It also provides opportunities for networking through various events and workshops.
- **Reputation and Ranking:** As of my last training cut-off, Thapar University was consistently ranked among the top engineering institutions in India.
- **Classroom Dynamics:** Class sizes and teaching methods are designed to promote active learning and student engagement. Evaluation techniques often include a mix of continuous assessment and end-term examinations.
- **Internships, Exchanges, and Global Exposure:** Thapar University has collaborations with several international universities and industries, offering opportunities for student exchanges and internships.
- **Student Life:** The university offers a vibrant campus life with a range of extracurricular activities, clubs, sports, and cultural events. It also has residential facilities for students and healthcare services on campus.
- **Accreditation:** Most of Thapar University's programs are accredited by the National Board of Accreditation (NBA) and the university itself is recognized by the University Grants Commission (UGC).
- **Support Services:** Thapar University provides various support services including counseling, academic advising, and career guidance.
- **Interaction with Alumni and Professionals:** There are regular guest lectures, seminars, and alumni meet-ups which provide students opportunities to interact with industry professionals and alumni.
- **Graduation Rate:** Graduation rates can vary depending on the program. For exact statistics, it's best to contact the university's admissions office or check the university's official website.
- **Program Duration:** The duration of the program depends on the nature of the program. Typically, undergraduate programs are 4 years, postgraduate programs are

2 years, and Ph.D. programs can take 3-5 years. Thapar University does offer flexibility in terms of full-time and part-time options for certain programs.

- **Attendance and Leave Rules:** The university maintains a minimum attendance rule which students must fulfill. Policies regarding leaves of absence, readmission, and grievance redressal are provided in the student handbook or can be obtained from the university's administration.
- **Teaching or Graduate Assistantships:** Thapar University offers teaching and research assistantships. These opportunities typically involve assisting faculty in teaching or research and can often come with a tuition fee waiver or stipend.
- **Provisions for Students with Disabilities:** Thapar University is committed to providing equal opportunities for all students. For specific provisions for students with disabilities, it's best to contact the university's administration.
- **Safety and Security:** The campus has security personnel deployed and CCTV surveillance to ensure the safety of students. Any past incidents should be inquired about directly from the university.
- **Transportation Facilities:** The university provides transportation facilities for its students. For commuters, detailed information about bus routes and parking spaces can be obtained from the university's administration.
- **Resources for Students with Disabilities:** Thapar University is committed to inclusivity and likely provides resources and support for students with disabilities. The specifics should be checked directly with the university's administration.
- **Average Time to Degree Completion:** This depends on the program. Typically, undergraduate programs are 4 years, postgraduate programs are 2 years, and Ph.D. programs can take 3-5 years.
- **Faculty in Specific Field:** Thapar University boasts a faculty comprised of highly qualified and experienced professionals across fields. Details about faculty in a specific field can be found on the university's website or by contacting the relevant department.
- **Job Placement Rate:** Thapar University has strong placement records with students being recruited by top companies in various sectors. The exact placement rate can be found on the university's official website or by contacting the Career Services office.
- **Research Opportunities:** Thapar University offers numerous research opportunities for students across disciplines, facilitated by its state-of-the-art labs and experienced faculty.
- **Professional Development Opportunities:** The university provides various professional development opportunities such as internships, workshops, guest lectures, and industry visits.
- **Internships or Co-op Programs:** Thapar University has strong industry connections that provide students with opportunities for internships and co-op programs.
- **Student Organizations and Clubs:** The university hosts a variety of student clubs and organizations that cater to diverse interests, such as cultural clubs, technical clubs, sports teams, and more.
- **Mental Health and Wellness Resources:** Thapar University likely provides resources for mental health and wellness, including counseling services. The exact resources should be confirmed with the university's administration.
- **Policy on Academic Integrity:** Thapar University likely has a policy on academic integrity that includes rules against plagiarism, cheating, and other forms of academic

dishonesty. The specifics should be checked in the student handbook or with the university's administration.

- Support for Non-Traditional Students: Thapar University likely has support systems in place for non-traditional students, such as mature learners or those returning to education after a gap. Specific resources and support services should be confirmed directly with the university's administration.
- Academic Resources: Thapar University provides a range of academic resources including tutoring services, a writing center, and a well-equipped library.
- Deadlines for Financial Aid or Scholarships: The deadlines for applying for financial aid or scholarships can vary. The university's official website or financial aid office would have the most accurate information.
- Safety or Emergency Services: Thapar University likely has security personnel and emergency procedures in place to ensure the safety of students. The specifics should be confirmed directly with the university.
- Study Spaces: The university likely provides various dedicated study spaces on campus, including libraries, study rooms, and possibly open spaces in certain buildings.
- Online or Distance Learning Options: Thapar University may offer some online or distance learning options. The specifics should be confirmed directly with the university's administration.
- Handling Student Grievances: Thapar University likely has a system for handling student grievances and complaints. The specifics should be outlined in the student handbook or confirmed with the university's administration.
- Off-Campus Housing Policies: Policies related to off-campus housing can vary widely. It's best to check directly with the university's housing or student services office.
- Campus Traditions: Thapar University hosts several events and festivals throughout the year that have become campus traditions, including technical and cultural fests.
- Requirements for Maintaining Scholarships or Financial Aid: These requirements can vary based on the specific scholarship or financial aid package. It's best to check with the university's financial aid office.
- Academic Honors or Awards: Thapar University likely offers a variety of academic honors or awards to recognize outstanding student achievement. The specifics can be confirmed with the university's administration.
- Refund Policy: Thapar University's refund policy would be outlined in its financial policies or confirmed directly with the university's finance office.
- Continuing Education or Professional Development Opportunities: The university likely offers a range of opportunities for continuing education or professional development. These can include workshops, guest lectures, certificate programs, etc.
- Handling Student Debt: Thapar University's financial aid office would likely provide guidance and resources to help students manage and understand their student debt.
- Career Fairs or Networking Events: Thapar University likely hosts career fairs and networking events to connect students with potential employers and industry professionals.
- Support for First-Generation College Students: Thapar University likely has support systems in place to help first-generation college students navigate the university environment.

- Policy on Withdrawing from Classes: The university likely has a policy outlining the process and implications of withdrawing from classes. This can usually be found in the student handbook or confirmed with the university's administration.
- Religious or Spiritual Resources: The university likely provides resources for religious or spiritual support, including spaces for worship or reflection and possibly religious or spiritual student organizations.
- Support for Student Veterans: Thapar University likely provides resources and support for student veterans. The specifics should be confirmed directly with the university's administration.
- Handling Academic Integrity Violations: Thapar University likely has a policy for handling academic integrity violations, which may include consequences for cheating, plagiarism, etc. This policy should be outlined in the student handbook or confirmed with the university's administration.

Thapar Institute of Engineering and Technology (TIET), formerly known as Thapar University, is a private Deemed-to-be University established in 1956 in Patiala, Punjab. Thapar University is a top-ranked innovation-driven private university accredited with an 'A+' Grade by NAAC. Thapar University has been ranked 20th among all Private and Government Universities in India by NIRF Ranking 2023. The university is ranked 40th in the Overall Category, 20th in Engineering, 49th in Management, and 34th in Research by NIRF 2023. TIET offers UG, PG, and, Ph.D. degrees in various specializations in the field of Engineering, Management, Science, and Liberal Arts.

- B.Tech and MBA are the flagship programs offered by Thapar University.
- The university also offers M.Tech, MA, MCA, and M.Sc degrees at the postgraduate level.
- Admission to Thapar University is both entrance and merit-based.
- TIET accepts national-level entrance exams such as JEE Main, GATE, CAT, MAT, GMAT, NEET, etc for admission.
- The university also offers admission to various courses based on merit in the last qualifying examination.

Thapar University has a vibrant campus spread across sprawling 250 Acres with 11000+ Students, 7 Schools, and 2 Campuses at Patiala and Dera Bassi. TIET Patiala has institutional MoUs with top universities globally such as Virginia Tech, Trinity College, University of New South Wales, and various others. Thapar University Placements 2023 is ongoing in which 241 Recruiters have presented a total of 1,497 Job Offers to the students till January 2023. Around 1452 students have been placed so far in Thapar University Placements 2023 with Amazon, Microsoft, Deloitte, Wipro, IBM, and other MNCs being the top recruiters. also offers various scholarships to deserving UG and PG students on the basis of merit and family income.

Thapar Institute of Engineering & Technology offers its academic programmes under three units:

Schools (7) Departments (10) Centres (13)

These departments conduct undergraduate, postgraduate and doctoral programmes, which are in sync with relevant engineering/technological disciplines. While the schools provide postgraduate and doctoral programmes, the centres are special interdisciplinary units, which cater to the academic requirements of the University.

1. CHEMICAL ENGINEERING

The Department of Chemical Engineering of Thapar Institute of Engineering and Technology was established in 1992 with the Ph.D programme. The major research activities in the Department are in the fields of Heat Transfer, Fluid Mechanics, Polymer Science & Technology, Energy Management, Biochemical Engineering, Separation Processes, Reaction Engineering, Pulp and paper, and Environmental Engineering.

The BE program offered in Chemical Engineering at Thapar Institute of Engineering & Technology involves a curriculum of global standards emphasizing on the fundamentals, breadth of the discipline, and the necessary flexibility in being able to apply the fundamentals in widely varying contexts. In addition to this, the program also trains the students in specialized elective streams such as materials science, nanotechnology, and pharmaceuticals et al.

Duration:- 4 years

Level: Graduation

Type: Degree

Eligibility:- +2 and Jee Main

## 2. CIVIL ENGINEERING

The Civil Engineering Program at Thapar Institute of Engineering & Technology is designed to prepare its graduates for continued learning and successful careers in industry, government, academia and consulting. Our graduates are expected to

Demonstrate a high level of technical expertise in civil engineering profession with effective communication and management skills

Embrace sustained lifelong learning by pursuing higher education suitable for the needs of the profession & community

Achieve leadership roles by serving the society as ethical and responsible professionals

Duration:- 4 years

Level: Graduation

Type: Degree

Eligibility:- +2 and Jee Main

## 3. COMPUTER ENGINEERING

BE Computer Engineering program is a special program designed to apply analytical skills and demonstrate research capabilities in the field of computer science and engineering. It enables you to work in multidisciplinary environments and get responsive to the changing needs of the society. Incorporating a detailed mix of software and hardware engineering, this program can be defined as the application of a systemic, disciplined, and quantifiable approach to development, operation and maintenance of computer-related technicalities.

Duration:- 4 years

Level: Graduation

Type: Degree

Eligibility:- +2 and Jee Main

## 4. ELECTRICAL ENGINEERING

The Department of Electrical and Instrumentation Engineering has been playing a vital role in producing scientists and technologists of highest calibre ever since it was established in

the year 1956. Thapar's BE (Electrical Engineering) aims to strengthen India's excellence in the field of Electrical Engineering. The department is currently engaged in research in many areas of Electrical Engineering including Power Systems, Energy Studies, Power Electronics, Electrical Drives, High Voltage engineering, Signal Processing, Image Processing and Multimedia, Biomedical Imaging, Machine Learning, etc.

Duration:- 4 years

Level: Graduation

Type: Degree

Eligibility:- +2 and Jee Main

## 5. MECHANICAL ENGINEERING

Mechanical Engineering Department was established in 1956 with the inception of the institute to produce high quality engineers the field of Mechanical Engineering to cater the needs of the newly Independent India. The programme involves application of principles of physics for

analysis, design, manufacturing, and maintenance of mechanical systems. It requires a solid understanding of key concepts including mechanics, kinematics, thermodynamics and energy. Mechanical engineers use these principles and others in the design and analysis of automobiles, aircraft, heating and cooling systems, manufacturing plants, industrial equipment and machinery, medical devices and more.

Duration:- 4 years

Level: Graduation

Type: Degree

Eligibility:- +2 and Jee Main

The hybrid of electronic, electrical and mechanical engineering, 'Mechatronics' is a unique programme at Thapar Institute of Engineering & Technology that clubs the distinguishing features of each field to yield the best competitive mix for current generation. Mechatronics professionals are the technicians and engineers who design and maintain automated equipment. They work beside engineers and scientists, often assisting in the research and development of production. Duration:- 4 years

Level: Graduation

Type: Degree

Eligibility:- +2 and Jee Main

## 7. MECHANICAL ENGINEERING (PRODUCTION)

Mechanical engineering and production technology graduates have the necessary design, production and automation skills required in mechanical engineering. The scope of the programme varies from material research to machinery development, nano technology, smart materials, aerospace technology, missiles technology, CAD/CAM, FMS, CIM, Automation and such other interrelated developments.

Duration:- 4 years

Level: Graduation

Type: Degree

Eligibility:- +2 and Jee Main

## 8. ELECTRONICS (INSTRUMENTATION & CONTROL) ENGINEERING

This program enables you to excel in the field of Electrical and Instrumentation Engineering to meet the aspirations of global community. Being an inter-disciplinary branch of engineering, it is heading towards development of new and intelligent sensors, smart transducers, MEMS Technology, Bluetooth Technology. The programme finds its origin in both electrical and electronics engineering, and it covers subjects related to electronics and electrical streams. In general, it deals with measurement, automation and control processes.

Duration:- 4 years

Level: Graduation

Type: Degree

Eligibility:- +2 and Jee Main

## 9. ELECTRONICS & COMMUNICATION ENGINEERING

Thapar's Department of Electronics and communication Engineering was established in 1975 with the inception of the Institute to cater to undergraduate education in the field of Electronics and communication Engineering. It aims to produce quality professionals in Electronics and communication engineering to compete globally and excel by carrying out basic and applied research in emerging areas by forging strong industry-institute interaction.

Duration:- 4 years

Level: Graduation

Type: Degree

Eligibility:- +2 and Jee Main

## 10. ELECTRONICS AND COMPUTER ENGINEERING

Electronic, as well as computer engineers are in great demand in industries across the globe. Joint applications such as, mobile phones, space shuttles, desktops, tablets, etc are few of the examples where competence in both of the fields is of paramount importance. The increased use of these technologies in all aspects of our lives ensures continued relevance and its expansion in the future. The Electronics and Computer Engineering undergraduate program is a course which aims to integrate these two separate engineering fields to meet the joint demands made by the electronic and computer industries in today's world. This program blends various courses of both fields over the period of four years with an emphasis on the design of computing systems. Duration:- 4 years

Level: Graduation

Type: Degree

Eligibility:- +2 and Jee Main

## 11. BIOTECHNOLOGY

Biotechnology was initiated in 1993 with Ph.D program thereafter M.Sc in Biotechnology was started in 1999 with the support from Department of Biotechnology, Ministry of Science and Technology, Govt. of India. It started B Tech in Biotechnology from 2002 and then MTech in Biotechnology from 2012. Focus of the Department is primarily to excel both in academics and research in the frontier areas of modern biotechnology and related fields. The focus of these academic programs is to provide excellent environment and state-of-the-art infrastructure for hands on training with industrial training.

The potentials in Biotechnology were further recognized by Department of Science and Technology, Govt. of India and under Mission Reach, TIFAC-CORE (Centre of Relevance and Excellence) in Agro and Industrial Biotechnology was set up in the year 2000 and STEP (Science and Technology Entrepreneur's Park) in microbial and food technology was set up in 2005 by NSTEDB, which provides extensive support to research, human resource development and offers new opportunities to students for skill development and promotion of entrepreneurship and new start ups from amongst the students.

Duration:- 4 years Level: Graduation Type: Degree Eligibility:- +2 and NEET BE-Lateral Entry

### 1. CHEMICAL ENGINEERING

The Department of Chemical Engineering of Thapar Institute of Engineering and Technology was established in 1992 with the Ph.D programme. The major research activities in the Department are in the fields of Heat Transfer, Fluid Mechanics, Polymer Science & Technology, Energy Management, Biochemical Engineering, Separation Processes, Reaction Engineering, Pulp and paper, and Environmental Engineering.

The BE program offered in Chemical Engineering at Thapar Institute of Engineering & Technology involves a curriculum of global standards emphasizing on the fundamentals, breadth of the discipline, and the necessary flexibility in being able to apply the fundamentals in widely varying contexts. In addition to this, the program also trains the students in specialized elective streams such as materials science, nanotechnology, and pharmaceuticals et al.

Duration:- 3 years

Level: Graduation

Type: Degree

Eligibility:- +2 and Jee Main

### 2. CIVIL ENGINEERING

The Civil Engineering Program at Thapar Institute of Engineering & Technology is designed to prepare its graduates for continued learning and successful careers in industry, government, academia and consulting. Our graduates are expected to

Demonstrate a high level of technical expertise in civil engineering profession with effective communication and management skills

Embrace sustained lifelong learning by pursuing higher education suitable for the needs of the profession & community

Achieve leadership roles by serving the society as ethical and responsible professionals

Duration:- 3 years

Level: Graduation

Type: Degree

Eligibility:- +2 and Jee Main

### 3. COMPUTER ENGINEERING

BE Computer Engineering program is a special program designed to apply analytical skills and demonstrate research capabilities in the field of computer science and engineering. It enables you to work in multidisciplinary environments and get responsive to the changing needs of the society. Incorporating a detailed mix of software and hardware engineering, this



program can be defined as the application of a systemic, disciplined, and quantifiable approach to development, operation and maintenance of computer-related technicalities.

Duration:- 3 years

Level: Graduation

Type: Degree

Eligibility:- +2 and Jee Main

#### 4. ELECTRICAL ENGINEERING

The Department of Electrical and Instrumentation Engineering has been playing a vital role in producing scientists and technologists of highest calibre ever since it was established in the year 1956. Thapar's BE (Electrical Engineering) aims to strengthen India's excellence in the field of Electrical Engineering. The department is currently engaged in research in many areas of Electrical Engineering including Power Systems, Energy Studies, Power Electronics, Electrical Drives, High Voltage engineering, Signal Processing, Image Processing and Multimedia, Biomedical Imaging, Machine Learning, etc.

Duration:- 3 years

Level: Graduation

Type: Degree

Eligibility:- +2 and Jee Main

#### 5. ELECTRONICS (INSTRUMENTATION & CONTROL) ENGINEERING

This program enables you to excel in the field of Electrical and Instrumentation Engineering to meet the aspirations of global community. Being an inter-disciplinary branch of engineering, it is heading towards development of new and intelligent sensors, smart transducers, MEMS Technology, Bluetooth Technology. The programme finds its origin in both electrical and electronics engineering, and it covers subjects related to electronics and electrical streams. In general, it deals with measurement, automation and control processes.

Duration:- 3 years

Level: Graduation

Type: Degree

Eligibility:- +2 and Jee Main

#### 6. ELECTRONICS & COMMUNICATION ENGINEERING

Thapar's Department of Electronics and communication Engineering was established in 1975 with the inception of the Institute to cater to undergraduate education in the field of Electronics and communication Engineering. It aims to produce quality professionals in Electronics and communication engineering to compete globally and excel by carrying out basic and applied research in emerging areas by forging strong industry-institute interaction.

Duration:- 3 years

Level: Graduation

Type: Degree

Eligibility:- +2 and Jee Main

#### 7. ELECTRONICS AND COMPUTER ENGINEERING

Electronic, as well as computer engineers are in great demand in industries across the globe. Joint applications such as, mobile phones, space shuttles, desktops, tablets, etc are few of the examples where competence in both of the fields is of paramount importance. The

increased use of these technologies in all aspects of our lives ensures continued relevance and its expansion in the future. The Electronics and Computer Engineering undergraduate program is a course which aims to integrate these two separate engineering fields to meet the joint demands made by the electronic and computer industries in today's world. This program blends various courses of both fields over the period of four years with an emphasis on the design of computing systems. Duration:- 3 years

Level: Graduation

Type: Degree

Eligibility:- +2 and Jee Main

#### 8. MECHANICAL ENGINEERING

Mechanical Engineering Department was established in 1956 with the inception of the institute to produce high quality engineers the field of Mechanical Engineering to cater the needs of the newly Independent India. The programme involves application of principles of physics for analysis, design, manufacturing, and maintenance of mechanical systems. It requires a solid understanding of key concepts including mechanics, kinematics, thermodynamics and energy. Mechanical engineers use these principles and others in the design and analysis of automobiles, aircraft, heating and cooling systems, manufacturing plants, industrial equipment and machinery, medical devices and more.

Duration:- 4 years

Level: Graduation

Type: Degree

Eligibility:- +2 and Jee Main 9.MECHATRONICS

The hybrid of electronic, electrical and mechanical engineering, 'Mechatronics' is a unique programme at Thapar Institute of Engineering & Technology that clubs the distinguishing features of each field to yield the best competitive mix for current generation. Mechatronics professionals are the technicians and engineers who design and maintain automated equipment. They work beside engineers and scientists, often assisting in the research and development of production. Duration:- 4 years

Level: Graduation

Type: Degree

Eligibility:- +2 and Jee Main

#### 10. MECHANICAL ENGINEERING (PRODUCTION)

Mechanical engineering and production technology graduates have the necessary design, production and automation skills required in mechanical engineering. The scope of the programme varies from material research to machinery development, nano technology, smart materials, aerospace technology, missiles technology, CAD/CAM, FMS, CIM, Automation and such other interrelated developments.

Duration:- 4 years

Level: Graduation

Type: Degree

Eligibility:- +2 and Jee Main

IEP (international engineering Program ) 1. CIVIL ENGINEERING

The Civil Engineering Program at Thapar Institute of Engineering & Technology is designed to prepare its graduates for continued learning and successful careers in industry, government, academia and consulting. Our graduates are expected to

Demonstrate a high level of technical expertise in civil engineering profession with effective communication and management skills

Embrace sustained lifelong learning by pursuing higher education suitable for the needs of the profession & community

Achieve leadership roles by serving the society as ethical and responsible professionals

Duration:- 4 years

Level: Graduation

Type: Degree

Eligibility:- +2 and Jee Main

## 2. COMPUTER ENGINEERING

BE Computer Engineering program is a special program designed to apply analytical skills and demonstrate research capabilities in the field of computer science and engineering. It enables you to work in multidisciplinary environments and get responsive to the changing needs of the society. Incorporating a detailed mix of software and hardware engineering, this program can be defined as the application of a systemic, disciplined, and quantifiable approach to development, operation and maintenance of computer-related technicalities.

Duration:- 4 years

Level: Graduation

Type: Degree

Eligibility:- +2 and Jee Main

## 3. ELECTRONICS & COMMUNICATION ENGINEERING

Thapar's Department of Electronics and communication Engineering was established in 1975 with the inception of the Institute to cater to undergraduate education in the field of Electronics and communication Engineering. It aims to produce quality professionals in Electronics and communication engineering to compete globally and excel by carrying out basic and applied research in emerging areas by forging strong industry-institute interaction.

Duration:- 4 years

Level: Graduation

Type: Degree

Eligibility:- +2 and Jee Main

## 4. MECHANICAL ENGINEERING

Mechanical Engineering Department was established in 1956 with the inception of the institute to produce high quality engineers the field of Mechanical Engineering to cater the needs of the newly Independent India. The programme involves application of principles of physics for analysis, design, manufacturing, and maintenance of mechanical systems. It requires a solid understanding of key concepts including mechanics, kinematics, thermodynamics and energy. Mechanical engineers use these principles and others in the design and analysis of automobiles, aircraft, heating and cooling systems, manufacturing plants, industrial equipment and machinery, medical devices and more.

Duration:- 4 years Level: Graduation

Type: Degree

Eligibility:- +2 and Jee Main

The present Director of Thapar University is Dr. Padmakumar Nair  
Prof. Padmakumar Nair, has been appointed as the new Director of the Thapar Institute of Engineering and

Technology, Patiala, Punjab.

Prof. Nair is passionate about assisting in the development and leadership of sustainable enterprises and innovative entrepreneurial endeavours. Professor Nair has extensive leadership experience in both academia and industry. He has been an integral part of the leadership team of TIET during the last nine years.

He joined TIET in July 2013 and has since successfully led LMTSOM in helping students, faculty, and staff in achieving their full potential. He was also crucial in the formation of the TSLAS. Prior to his current position, he was a clinical Professor and Academic Director for the Leadership Center at the University of Texas at Dallas in the United States. He has been a visiting professor at some of the world's top universities, including the University of Tokyo in Japan and the University of Twente in the Netherlands (The Netherlands). He has also worked as a strategy consultant for well-known multinational corporations such as IBM. Professor Nair received his M. Tech from IIT Kharagpur and his Ph.D. from the University of Twente in 1993, after which he acquired another Ph.D. from the University of Tokyo. In 1999, he earned an MBA from Heriot-Watt University. An empathetic and enterprising leader with high levels of initiative and energy ready to lead TIET to excellence in accomplishing its envisioned objectives

### **Chemist's Association for Research and Education Society (CARE)**

To promote the chemical research and education for the benefit of the society. This society encourages students to join the science stream as a career option and provides single platform to students and researchers for their scientific and methodical growth.

Email: [score@thapar.edu](mailto:score@thapar.edu)

Dr. Soumen Basu is president of Chemist's Association for Research and Education Society (CARE) and Dr. Vikas Tyagi is the vice president

### **Cogito, the philosophers society**

Cogito is the Philosophy Society run by students of the School of Liberal Arts and Science, TIET. Our mission is to promote the dissemination of Philosophy by organizing public debates, talks, and social events. The study of Philosophy is of utmost importance for the development of effective thinking and logical capacities, the enhancement of cross-domain conceptual understanding and problem-solving, and the cultivation of intellectual freedom and curiosity. We welcome anyone, from any discipline, and we provide a safe and stimulating space for discussion.

Email: [cogito@thapar.edu](mailto:cogito@thapar.edu)

Cogito Website: <https://sites.google.com/thapar.edu/cogito>

Dr. Andrea Raimondi is the president of Cogito, the philosophers society and Dr. Ipshita Chowdhury is the vice president

### **Creative Computing Society (CCS)**

Creative Computing Society strive to encourage students to develop an analytical temperament in the field of technology and innovation. The society conducts workshops and coding competitions on a regular basis, thus acting as a platform for students to showcase and nurture their technical skill to discover their best lying potential. Over the years the society has had numerous pivotal collaborations with organizations like Google Developers Group, Women Techmaker, Mozilla Webmaker, PyData to name a few.

Email: [ccs@thapar.edu](mailto:ccs@thapar.edu)

**CCS Website:-**<https://ccstiet.com/>

Dr. Anju Bala, is the president of CCS and Dr. Gurpal Singh is the vice president

### **Elpis, the psychology society**

Elpis is a Psychology Society of Thapar Institute. Elpis is for everyone interested in delving in the field of psychology. Whether you have a background in psychology or are simply fascinated by the world of psychology, everyone is welcome to join our community. We strive to enhance and support stimulating academic experiences, promote multidimensional approach of psychology by thinking out of the box, providing social opportunities and foster insight into the psychological field. We seek to attain our agenda by arranging seminars, movie nights, fun psychological activities, lunches, campaigns and psycho fest. The society invites each one of you to be a part of this journey.

**Email:** [elpis@thapar.edu](mailto:elpis@thapar.edu)

Elpis Website:-<https://sites.google.com/thapar.edu/elpis/home>

Dr. Ipshita Chowdhury, is the president of the society and Dr. Kaustuv Roy the vice president

### **ENACTUS**

**ENACTUS is a community of students, academic and business leaders committed to using entrepreneurial action to transform lives and shape a better world.**

**Email:** [enactus@thapar.edu](mailto:enactus@thapar.edu)

**ENACTUS Website:-** <https://sites.google.com/thapar.edu/enactusthapar/>

**Dr. Gagandeep Kaur is the president of the ENACTUS and Dr. Ashish Kumar Gupta, is the vice president**

#### **Entrepreneurship Development Cell (EDC)**

**EDC aims at developing the spirit of entrepreneurship among the students of Thapar Institute of Engineering and Technology. It not only ignites the minds but also nurtures the ideas of students . EDC is committed to build a strong platform for budding entrepreneurs as a career, as a path to success, as a journey of wisdom.**

**Email: [edc@thapar.edu](mailto:edc@thapar.edu)**

**EDC Website:- <https://sites.google.com/thapar.edu/edctiet>**

**Dr. M.D. Singh, is the president of EDC and Dr. Vineet Srivastava, being the vice president**

#### **EUREKA Prize Problems**

**The objective behind developing this society was to promote research ambience amongst our UG students through organizing competitions, expert talks, seminars, webinars, some technical sessions and encouraging them to write research articles.**

**Email: [eureka@thapar.edu](mailto:eureka@thapar.edu)**

**Dr. Souvik Ganguli, is the president of EUREKA and Dr. Amit Kumar being the vice president**

#### **Fine Arts and Photography Society (FAPS)**

**FAPS is grooming the engineering and management graduates of TIET to converse through the medium of art. FAPS is a vibrant society having a tradition of mentoring the youngsters through workshops on Sketching, Painting, Photography, Calligraphy and Photoshop.**

**Email: [faps@thapar.edu](mailto:faps@thapar.edu)**

**FAPS Website:- <https://sites.google.com/thapar.edu/faps/>**

**Dr. Ashima Singh, is the president of the of the society and Dr. Vikas Sharma, is the vice president**

#### **Frosh Week**

**Frosh Week Society welcomes the first year students in TIET. This society basically involves with all the activities of first year students just after they join institute. Arranging Infodesk, supporting in person counselling, organising orientation program and Frosh week for first year students are the major activities.**

**Email: [frosh@thapar.edu](mailto:frosh@thapar.edu)**

**Frosh Website:- <https://froshtiet.com/>**

**Dr. M.D. Singh is the president of the frosh and Dr. Jaskaran Singh, Dr. Tarunpreet Bhatia, Dr. Devender Kumar, Dr. Hem Dutt Joshi being the vice president**

### **GENE Society**

**GENE Society aims at providing professional excellence to students in organizing technical events like seminars, workshops, guest lectures, panel discussions. The society promotes industry-academia interactions and empowers students to work collectively in a team as well as to work independently honing their leadership skills.**

**Email: [gene@thapar.edu](mailto:gene@thapar.edu)**

**Dr. M. Vasundhara, is the president of the society and Dr. Atul Upadhyay, is the vice president**

### **GirlUpTIET Society**

**Girl Up is a United Nations Foundation's adolescent girl campaign. This society envisions a world where every girl can reach her full potential and lead the way to bigger dreams, healthier communities and stronger nations. The Girl Up platform exposes girls to issues at the intersection of gender equality, sports and storytelling. This society organizes events that instil social empowerment amongst girls through higher self-confidence, compassion, empathy, social collaboration and civic participation.**

**Email: [girlup@thapar.edu](mailto:girlup@thapar.edu)**

**<https://sites.google.com/thapar.edu/girlup/>**

**Dr. Gurvinder Kaur, is the president of the society and Dr. Anupam Sharma, being the vice president**

### **LEAD Society**

**LEAD society provides platform to students of all disciplines to organize industrial visits, lectures and workshops. It is a one stop society for institute-industry collaboration for students.**

**Email: [lead\\_sc@thapar.edu](mailto:lead_sc@thapar.edu)**

**Lead Website:-<https://sites.google.com/thapar.edu/lead-tiet>**

**Dr. Jainy Sachdeva is the president of the society and Mr. Jitender Kaushal being the vice president**

#### **Linux User Group - TIET**

**This society enables students to connect science and technology to real-world problems by explaining how science relates to problems of societal concern; be able to distinguish between sound and unsound interpretations of scientific information; employ cogent reasoning methods in their own examinations of problems and issues; and understand the applications of science and technology in societal context.**

**Email: [lugu@thapar.edu](mailto:lugu@thapar.edu)**

**Dr. Smita Agrawal, is the president of the society and Mr. Varinderpal Singh being the vice president**

#### **Materials and Physics Society (MAPS)**

**To generate an interactive environment that encourages conditions for learning and stimulates personal and professional growth, providing exposure to new ideas and creativity. Major activities organized: Expert lectures on physical science, quizzes, paper presentations, organization of seminars etc.**

**Email: [maps@thapar.edu](mailto:maps@thapar.edu)**

**Dr. Surendra Deo Tiwari, is president of MAPS and Dr. Sunil Devi vice president**

#### **[OLD DATA]**

#### Thapar LLMs

Thapar Institute of Engineering and Technology, informally Thapar University, is a private institute deemed to be university, located in Patiala, Punjab, India. It was founded in 1956 by Karam Chand Thapar.

The university offers undergraduate, postgraduate, and doctoral programs in various fields of Engineering and Technology, Sciences, Humanities, and more. It is known for its strong focus on research and has collaborations with several international universities for student exchange programs and research.

As of my knowledge cutoff in September 2023, the university has been ranked among the top engineering institutions in India by several ranking bodies. For more recent and detailed information, you might want to visit the official website or contact the institution directly.



Thapar Institute of Engineering and Technology, commonly referred to as Thapar University, is one of India's oldest and finest educational institutions, which provides a multitude of academic and industry-oriented courses.

Here's some key information about Thapar University:

**Location:** The main campus is located in Patiala, Punjab, India, though it also has an additional campus in Derabassi, Punjab.

**Establishment:** Thapar University was established in 1956 by Karam Chand Thapar, an industrialist and philanthropist.

**Courses:** The university offers undergraduate, postgraduate, and doctoral programs across a range of disciplines. It offers B. Tech, M. Tech, BCA, MCA, B. Sc, M. Sc, MBA, and Ph.D. programs in areas such as Engineering, Science, Management, and Social Sciences.

**Research:** Thapar University is known for its strong emphasis on research. It has multiple research centers and laboratories, and faculty members are involved in a broad spectrum of research activities.

**Ranking:** As of my knowledge cut-off in 2023, Thapar University is ranked 20th by NIRF among the top engineering institutions in India.

**Collaborations:** Thapar University has collaborations with many universities worldwide, facilitating student and faculty exchange programs, collaborative research, and curriculum development.

**Campus:** Thapar University's campus is equipped with modern infrastructure, including libraries, hostels, and sports facilities.

**Admission:** Admissions to various programs are highly competitive and are generally based on national level entrance exams. For B.Tech programs, the JEE (Joint Entrance Examination) scores are considered.

**Events and Festivals:** The University hosts a variety of cultural and technical events and festivals throughout the year, including "Saturnalia" which is one of the oldest cultural festivals in the region.

Thapar University offers a wide range of programs across various disciplines. Here are some of the key programs and specializations offered by the university:

#### Undergraduate Programs

- Bachelor of Technology (B.Tech): This is a 4-year undergraduate program offered in various specializations such as:
  - Civil Engineering
  - Computer Engineering
  - Electrical Engineering
  - Electronics and Communication Engineering
  - Mechanical Engineering
  - Chemical Engineering
  - Industrial and Production Engineering
  - Instrumentation and Control Engineering
  - Electronics and Computer Engineering
  - Biotechnology
  - Mechanical Engineering (Production)
  - Mechatronics

- Bachelor of Engineering (International Engineering Program): This is a 4-year program where students spend the first two years at Thapar and the next two years at partner universities abroad.
- Dual Degree Programs: The university also offers 5-year dual degree programs where students can earn a B.Tech along with an M.Tech or MBA.

#### Postgraduate Programs

- Master of Technology (M.Tech): This is a 2-year postgraduate program offered in various specializations such as:
  - CAD/CAM Engineering
  - Power Systems
  - Structural Engineering
  - Software Engineering
  - VLSI Design
  - Thermal Engineering
  - Environmental Science and Technology
  - Chemical Engineering
  - Computer Science and Engineering
- Master of Science (M.Sc): This is a 2-year program offered in fields like:
  - Biotechnology
  - Chemistry
  - Mathematics and Computing
  - Physics
- Master of Computer Applications (MCA)
- Master of Business Administration (MBA)

#### Doctoral Programs

The university offers Ph.D. programs in various departments like:

- Civil Engineering
- Computer Science and Engineering
- Electrical and Instrumentation Engineering
- Electronics and Communication Engineering
- Mechanical Engineering
- Chemical Engineering
- Biotechnology
- Chemistry
- Mathematics
- Physics
- Humanities and Social Sciences
- Management

Please note that the availability of specific programs and specializations can vary and it is always a good idea to check the university's official website for the most up-to-date

information. Additionally, the university also offers distance education and open learning programs in various disciplines.

Thapar Institute of Engineering and Technology has a number of unique selling points (USPs) that distinguish it from other institutions and give it importance on both a national and global scale.

1. **Reputation and Ranking:** Thapar has consistently been ranked 20th among the top engineering institutions in India. Its strong reputation for quality education and research is recognized not only in India, but also internationally.
2. **Wide Range of Programs:** Thapar offers a broad range of programs in engineering, science, management, and humanities at undergraduate, postgraduate, and doctoral levels. This multidisciplinary approach ensures that students from different fields can find a program that suits their interests and career goals.
3. **Research and Innovation:** Thapar places a strong emphasis on research and innovation. Its faculty and students are involved in a wide range of research projects, many of which have made significant contributions to their respective fields.
4. **International Collaborations:** Thapar has partnerships with several universities around the world. These collaborations facilitate student exchange programs, joint research projects, and dual degree programs. These international connections help students gain global exposure and expand their horizons.
5. **Industry Connections:** Thapar has strong connections with industry, which help in ensuring that the curriculum remains up-to-date and relevant to the needs of the industry. It also aids in providing internships and placement opportunities for students.
6. **Campus and Facilities:** Thapar's campus is equipped with modern infrastructure and facilities, including well-equipped laboratories, libraries, hostels, sports facilities, and more.
7. **Alumni Network:** Thapar has a strong network of alumni who have made their mark in various fields, both in India and abroad. This network can provide valuable connections and opportunities for current students and new graduates.
8. **Cultural and Extracurricular Activities:** Thapar hosts a variety of cultural and technical events and festivals throughout the year, providing students with opportunities to showcase their talents, learn new skills, and develop a well-rounded personality.
9. **Focus on All-Round Development:** In addition to academic excellence, Thapar also emphasizes the all-round development of students, with numerous clubs and societies that cater to a wide range of interests and hobbies.

In the global context, Thapar's commitment to quality education, research, and innovation, as well as its international collaborations, contribute to its importance in the world. Its graduates are found in leadership positions in organizations around the globe, contributing to various fields and making a positive impact.

**Admission Requirements and Process:** Admissions to Thapar University typically require successful completion of relevant entrance exams such as the JEE for undergraduate engineering programs. The admission process usually involves applying online through the university's official website.

**Tuition Fees, Costs, Scholarships:** Tuition fees vary by program. The university offers several scholarships based on merit and need. Detailed information should be obtained from the university's admissions or finance office.

**Course Curriculum:** Curriculum varies by program and is designed to equip students with industry-relevant skills and knowledge. The university's official website or department offices can provide detailed curriculum information.

**Career Prospects:** Thapar University has a dedicated placement cell and enjoys strong industry connections, offering good career prospects in various industries.

**Faculty-Student Ratio, Faculty Experience:** The university prides itself on maintaining a healthy faculty-student ratio. Faculty typically possess high levels of experience and academic qualifications.

**Facilities and Resources:** The university offers state-of-the-art classrooms, labs, a well-stocked library, and other facilities for comprehensive learning.

**Reputation and Ranking:** As of my last training cut-off, Thapar University was consistently ranked among the top engineering institutions in India.

**Classroom Dynamics:** Class sizes, teaching methods, and evaluation techniques vary by program but are designed to encourage interactive learning.

**Internships, Exchanges, Global Exposure:** Thapar University has strong industry connections for internships and collaborations with foreign universities for exchange programs.

**Student Life:** The university offers a vibrant student life with cultural events, technical fests, clubs, and societies.

**Program Accreditation:** Most programs at Thapar University are accredited by relevant bodies. Specific accreditation details can be obtained from the university.

This is a brief guide to answering these questions. For exact answers, especially for questions about costs, admission processes, specific course content, and faculty-student ratio, it's best to contact Thapar University directly or visit its official website.

- **Admission Requirements and Process:** Admission to Thapar University's programs typically require relevant entrance exams, such as the JEE for undergraduate engineering programs, and a minimum percentage in the qualifying exam (like Class XII for undergraduate programs). The admission process usually involves applying online through the university's admission portal, submission of necessary documents, and meeting the cut-off criteria.
- **Tuition Fees and Scholarships:** Tuition fees vary depending on the program. The university does offer a variety of scholarships based on different criteria such as merit, need-based, etc. Information about the cost of programs and scholarships can be found on the university's official website or by contacting the admissions office.
- **Course Curriculum:** The curriculum varies depending on the program but is designed to provide a rigorous academic experience and practical industry knowledge. Detailed information about specific courses and topics can be obtained from the respective department or the course catalog available on the university's website.
- **Career Prospects:** Thapar University has strong placement records and industry ties, leading to good career prospects for its graduates. Students have been recruited by top companies in various sectors.
- **Faculty-Student Ratio and Faculty Experience:** The university maintains a healthy faculty-student ratio. Faculty members are highly qualified, with many holding Ph.D. degrees and having substantial experience in their respective fields.

- **Facilities and Resources:** Thapar University provides modern facilities including advanced laboratories, a well-stocked library, comfortable hostels, and more. It also provides opportunities for networking through various events and workshops.
- **Reputation and Ranking:** As of my last training cut-off, Thapar University was consistently ranked among the top engineering institutions in India.
- **Classroom Dynamics:** Class sizes and teaching methods are designed to promote active learning and student engagement. Evaluation techniques often include a mix of continuous assessment and end-term examinations.
- **Internships, Exchanges, and Global Exposure:** Thapar University has collaborations with several international universities and industries, offering opportunities for student exchanges and internships.
- **Student Life:** The university offers a vibrant campus life with a range of extracurricular activities, clubs, sports, and cultural events. It also has residential facilities for students and healthcare services on campus.
- **Accreditation:** Most of Thapar University's programs are accredited by the National Board of Accreditation (NBA) and the university itself is recognized by the University Grants Commission (UGC).
- **Support Services:** Thapar University provides various support services including counseling, academic advising, and career guidance.
- **Interaction with Alumni and Professionals:** There are regular guest lectures, seminars, and alumni meet-ups which provide students opportunities to interact with industry professionals and alumni.
- **Graduation Rate:** Graduation rates can vary depending on the program. For exact statistics, it's best to contact the university's admissions office or check the university's official website.
- **Program Duration:** The duration of the program depends on the nature of the program. Typically, undergraduate programs are 4 years, postgraduate programs are 2 years, and Ph.D. programs can take 3-5 years. Thapar University does offer flexibility in terms of full-time and part-time options for certain programs.
- **Attendance and Leave Rules:** The university maintains a minimum attendance rule which students must fulfill. Policies regarding leaves of absence, readmission, and grievance redressal are provided in the student handbook or can be obtained from the university's administration.
- **Teaching or Graduate Assistantships:** Thapar University offers teaching and research assistantships. These opportunities typically involve assisting faculty in teaching or research and can often come with a tuition fee waiver or stipend.
- **Provisions for Students with Disabilities:** Thapar University is committed to providing equal opportunities for all students. For specific provisions for students with disabilities, it's best to contact the university's administration.
- **Safety and Security:** The campus has security personnel deployed and CCTV surveillance to ensure the safety of students. Any past incidents should be inquired about directly from the university.
- **Transportation Facilities:** The university provides transportation facilities for its students. For commuters, detailed information about bus routes and parking spaces can be obtained from the university's administration.

- Resources for Students with Disabilities: Thapar University is committed to inclusivity and likely provides resources and support for students with disabilities. The specifics should be checked directly with the university's administration.
- Average Time to Degree Completion: This depends on the program. Typically, undergraduate programs are 4 years, postgraduate programs are 2 years, and Ph.D. programs can take 3-5 years.
- Faculty in Specific Field: Thapar University boasts a faculty comprised of highly qualified and experienced professionals across fields. Details about faculty in a specific field can be found on the university's website or by contacting the relevant department.
- Job Placement Rate: Thapar University has strong placement records with students being recruited by top companies in various sectors. The exact placement rate can be found on the university's official website or by contacting the Career Services office.
- Research Opportunities: Thapar University offers numerous research opportunities for students across disciplines, facilitated by its state-of-the-art labs and experienced faculty.
- Professional Development Opportunities: The university provides various professional development opportunities such as internships, workshops, guest lectures, and industry visits.
- Internships or Co-op Programs: Thapar University has strong industry connections that provide students with opportunities for internships and co-op programs.
- Student Organizations and Clubs: The university hosts a variety of student clubs and organizations that cater to diverse interests, such as cultural clubs, technical clubs, sports teams, and more.
- Mental Health and Wellness Resources: Thapar University likely provides resources for mental health and wellness, including counseling services. The exact resources should be confirmed with the university's administration.
- Policy on Academic Integrity: Thapar University likely has a policy on academic integrity that includes rules against plagiarism, cheating, and other forms of academic dishonesty. The specifics should be checked in the student handbook or with the university's administration.
- Support for Non-Traditional Students: Thapar University likely has support systems in place for non-traditional students, such as mature learners or those returning to education after a gap. Specific resources and support services should be confirmed directly with the university's administration.
- Academic Resources: Thapar University provides a range of academic resources including tutoring services, a writing center, and a well-equipped library.
- Deadlines for Financial Aid or Scholarships: The deadlines for applying for financial aid or scholarships can vary. The university's official website or financial aid office would have the most accurate information.
- Safety or Emergency Services: Thapar University likely has security personnel and emergency procedures in place to ensure the safety of students. The specifics should be confirmed directly with the university.

- Study Spaces: The university likely provides various dedicated study spaces on campus, including libraries, study rooms, and possibly open spaces in certain buildings.
- Online or Distance Learning Options: Thapar University may offer some online or distance learning options. The specifics should be confirmed directly with the university's administration.
- Handling Student Grievances: Thapar University likely has a system for handling student grievances and complaints. The specifics should be outlined in the student handbook or confirmed with the university's administration.
- Off-Campus Housing Policies: Policies related to off-campus housing can vary widely. It's best to check directly with the university's housing or student services office.
- Campus Traditions: Thapar University hosts several events and festivals throughout the year that have become campus traditions, including technical and cultural fests.
- Requirements for Maintaining Scholarships or Financial Aid: These requirements can vary based on the specific scholarship or financial aid package. It's best to check with the university's financial aid office.
- Academic Honors or Awards: Thapar University likely offers a variety of academic honors or awards to recognize outstanding student achievement. The specifics can be confirmed with the university's administration.
- Refund Policy: Thapar University's refund policy would be outlined in its financial policies or confirmed directly with the university's finance office.
- Continuing Education or Professional Development Opportunities: The university likely offers a range of opportunities for continuing education or professional development. These can include workshops, guest lectures, certificate programs, etc.
- Handling Student Debt: Thapar University's financial aid office would likely provide guidance and resources to help students manage and understand their student debt.
- Career Fairs or Networking Events: Thapar University likely hosts career fairs and networking events to connect students with potential employers and industry professionals.
- Support for First-Generation College Students: Thapar University likely has support systems in place to help first-generation college students navigate the university environment.
- Policy on Withdrawing from Classes: The university likely has a policy outlining the process and implications of withdrawing from classes. This can usually be found in the student handbook or confirmed with the university's administration.
- Religious or Spiritual Resources: The university likely provides resources for religious or spiritual support, including spaces for worship or reflection and possibly religious or spiritual student organizations.
- Support for Student Veterans: Thapar University likely provides resources and support for student veterans. The specifics should be confirmed directly with the university's administration.
- Handling Academic Integrity Violations: Thapar University likely has a policy for handling academic integrity violations, which may include consequences for cheating, plagiarism, etc. This policy should be outlined in the student handbook or confirmed with the university's administration.

Thapar Institute of Engineering and Technology (TIET), formerly known as Thapar University, is a private Deemed-to-be University established in 1956 in Patiala, Punjab. Thapar University is a top-ranked innovation-driven private university accredited with an 'A+' Grade by NAAC. Thapar University has been ranked 20th among all Private and Government Universities in India by NIRF Ranking 2023. The university is ranked 40th in the Overall Category, 20th in Engineering, 49th in Management, and 34th in Research by NIRF 2023. TIET offers UG, PG, and, Ph.D. degrees in various specializations in the field of Engineering, Management, Science, and Liberal Arts.

- B.Tech and MBA are the flagship programs offered by Thapar University.
- The university also offers M.Tech, MA, MCA, and M.Sc degrees at the postgraduate level.
- Admission to Thapar University is both entrance and merit-based.
- TIET accepts national-level entrance exams such as JEE Main, GATE, CAT, MAT, GMAT, NEET, etc for admission.
- The university also offers admission to various courses based on merit in the last qualifying examination.

Thapar University has a vibrant campus spread across sprawling 250 Acres with 11000+ Students, 7 Schools, and 2 Campuses at Patiala and Dera Bassi. TIET Patiala has institutional MoUs with top universities globally such as Virginia Tech, Trinity College, University of New South Wales, and various others. Thapar University Placements 2023 is ongoing in which 241 Recruiters have presented a total of 1,497 Job Offers to the students till January 2023. Around 1452 students have been placed so far in Thapar University Placements 2023 with Amazon, Microsoft, Deloitte, Wipro, IBM, and other MNCs being the top recruiters. also offers various scholarships to deserving UG and PG students on the basis of merit and family income. Thapar Institute of Engineering & Technology offers its academic programmes under three units:

Schools (7)

Departments (10)

Centres (13)

These departments conduct undergraduate, postgraduate and doctoral programmes, which are in sync with relevant engineering/technological disciplines. While the schools provide postgraduate and doctoral programmes, the centres are special interdisciplinary units, which cater to the academic requirements of the University.

#### 1. CHEMICAL ENGINEERING

The Department of Chemical Engineering of Thapar Institute of Engineering and Technology was established in 1992 with the Ph.D programme. The major research activities in the Department are in the fields of Heat Transfer, Fluid Mechanics, Polymer Science & Technology, Energy Management, Biochemical Engineering, Separation Processes, Reaction Engineering, Pulp and paper, and Environmental Engineering.

The BE program offered in Chemical Engineering at Thapar Institute of Engineering & Technology involves a curriculum of global standards emphasizing on the fundamentals,



breadth of the discipline, and the necessary flexibility in being able to apply the fundamentals in widely varying contexts. In addition to this, the program also trains the students in specialized elective streams such as materials science, nanotechnology, and pharmaceuticals et al.

Duration:- 4 years

Level: Graduation

Type: Degree

Eligibility:- +2 and Jee Main

## 2. CIVIL ENGINEERING

The Civil Engineering Program at Thapar Institute of Engineering & Technology is designed to prepare its graduates for continued learning and successful careers in industry, government, academia and consulting. Our graduates are expected to

Demonstrate a high level of technical expertise in civil engineering profession with effective communication and management skills

Embrace sustained lifelong learning by pursuing higher education suitable for the needs of the profession & community

Achieve leadership roles by serving the society as ethical and responsible professionals

Duration:- 4 years

Level: Graduation

Type: Degree

Eligibility:- +2 and Jee Main

## 3. COMPUTER ENGINEERING

BE Computer Engineering program is a special program designed to apply analytical skills and demonstrate research capabilities in the field of computer science and engineering. It enables you to work in multidisciplinary environments and get responsive to the changing needs of the society. Incorporating a detailed mix of software and hardware engineering, this program can be defined as the application of a systemic, disciplined, and quantifiable approach to development, operation and maintenance of computer-related technicalities.

Duration:- 4 years

Level: Graduation

Type: Degree

Eligibility:- +2 and Jee Main

## 4. ELECTRICAL ENGINEERING

The Department of Electrical and Instrumentation Engineering has been playing a vital role in producing scientists and technologists of highest calibre ever since it was established in the year 1956. Thapar's BE (Electrical Engineering) aims to strengthen India's excellence in the field of Electrical Engineering. The department is currently engaged in research in many areas of Electrical Engineering including Power Systems, Energy Studies, Power Electronics, Electrical Drives, High Voltage engineering, Signal Processing, Image Processing and Multimedia, Biomedical Imaging, Machine Learning, etc.

Duration:- 4 years

Level: Graduation

Type: Degree

Eligibility:- +2 and Jee Main

#### 5. MECHANICAL ENGINEERING

Mechanical Engineering Department was established in 1956 with the inception of the institute to produce high quality engineers the field of Mechanical Engineering to cater the needs of the newly Independent India. The programme involves application of principles of physics for analysis, design, manufacturing, and maintenance of mechanical systems. It requires a solid understanding of key concepts including mechanics, kinematics, thermodynamics and energy. Mechanical engineers use these principles and others in the design and analysis of automobiles, aircraft, heating and cooling systems, manufacturing plants, industrial equipment and machinery, medical devices and more.

Duration:- 4 years

Level: Graduation

Type: Degree

Eligibility:- +2 and Jee Main

#### 6. MECHATRONICS

The hybrid of electronic, electrical and mechanical engineering, 'Mechatronics' is a unique programme at Thapar Institute of Engineering & Technology that clubs the distinguishing features of each field to yield the best competitive mix for current generation. Mechatronics professionals are the technicians and engineers who design and maintain automated equipment. They work beside engineers and scientists, often assisting in the research and development of production.

Duration:- 4 years

Level: Graduation

Type: Degree

Eligibility:- +2 and Jee Main

#### 7. MECHANICAL ENGINEERING (PRODUCTION)

Mechanical engineering and production technology graduates have the necessary design, production and automation skills required in mechanical engineering. The scope of the programme varies from material research to machinery development, nano technology, smart materials, aerospace technology, missiles technology, CAD/CAM, FMS, CIM, Automation and such other interrelated developments.

Duration:- 4 years

Level: Graduation

Type: Degree

Eligibility:- +2 and Jee Main

#### 8. ELECTRONICS (INSTRUMENTATION & CONTROL) ENGINEERING

This program enables you to excel in the field of Electrical and Instrumentation Engineering to meet the aspirations of global community. Being an inter-disciplinary branch of engineering, it is heading towards development of new and intelligent sensors, smart transducers, MEMS Technology, Bluetooth Technology. The programme finds its origin in both electrical and electronics engineering, and it covers subjects related to electronics and electrical streams. In general, it deals with measurement, automation and control processes.

Duration:- 4 years

Level: Graduation

Type: Degree

Eligibility:- +2 and Jee Main

#### 9. ELECTRONICS & COMMUNICATION ENGINEERING

Thapar's Department of Electronics and communication Engineering was established in 1975 with the inception of the Institute to cater to undergraduate education in the field of Electronics and communication Engineering. It aims to produce quality professionals in Electronics and communication engineering to compete globally and excel by carrying out basic and applied research in emerging areas by forging strong industry-institute interaction.

Duration:- 4 years

Level: Graduation

Type: Degree

Eligibility:- +2 and Jee Main

#### 10. ELECTRONICS AND COMPUTER ENGINEERING

Electronic, as well as computer engineers are in great demand in industries across the globe. Joint applications such as, mobile phones, space shuttles, desktops, tablets, etc are few of the examples where competence in both of the fields is of paramount importance. The increased use of these technologies in all aspects of our lives ensures continued relevance and its expansion in the future. The Electronics and Computer Engineering undergraduate program is a course which aims to integrate these two separate engineering fields to meet the joint demands made by the electronic and computer industries in today's world. This program blends various courses of both fields over the period of four years with an emphasis on the design of computing systems.

Duration:- 4 years

Level: Graduation

Type: Degree

Eligibility:- +2 and Jee Main

#### 11. BIOTECHNOLOGY

Biotechnology was initiated in 1993 with Ph.D program thereafter M.Sc in Biotechnology was started in 1999 with the support from Department of Biotechnology, Ministry of Science and Technology, Govt. of India. It started B Tech in Biotechnology from 2002 and then MTech in Biotechnology from 2012. Focus of the Department is primarily to excel both in academics and research in the frontier areas of modern biotechnology and related fields. The focus of these academic programs is to provide excellent environment and state-of-the-art infrastructure for hands on training with industrial training.

The potentials in Biotechnology were further recognized by Department of Science and Technology, Govt. of India and under Mission Reach, TIFAC-CORE (Centre of Relevance and Excellence) in Agro and Industrial Biotechnology was set up in the year 2000 and STEP (Science and Technology Entrepreneur's Park) in microbial and food technology was set up in 2005 by NSTEDB, which provides extensive support to research, human resource development and offers new opportunities to students for skill development and promotion of entrepreneurship and new start ups from amongst the students.

Duration:- 4 years

Level: Graduation

Type: Degree

Eligibility:- +2 and NEET

BE-Lateral Entry

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The BE program offered in Chemical Engineering at Thapar Institute of Engineering & Technology involves a curriculum of global standards emphasizing on the fundamentals, breadth of the discipline, and the necessary flexibility in being able to apply the fundamentals in widely varying contexts. In addition to this, the program also trains the students in specialized elective streams such as materials science, nanotechnology, and pharmaceuticals et al.

Duration:- 3 years

Level: Graduation

Type: Degree

Eligibility:- +2 and Jee Main

### 2. CIVIL ENGINEERING

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Embrace sustained lifelong learning by pursuing higher education suitable for the needs of the profession & community

Achieve leadership roles by serving the society as ethical and responsible professionals

Duration:- 3 years

Level: Graduation

Type: Degree

Eligibility:- +2 and Jee Main

### 3. COMPUTER ENGINEERING

BE Computer Engineering program is a special program designed to apply analytical skills and demonstrate research capabilities in the field of computer science and engineering. It enables you to work in multidisciplinary environments and get responsive to the changing needs of the society. Incorporating a detailed mix of software and hardware engineering, this program can be defined as the application of a systemic, disciplined, and quantifiable approach to development, operation and maintenance of computer-related technicalities.

Duration:- 3 years

Level: Graduation

Type: Degree

Eligibility:- +2 and Jee Main

#### 4. ELECTRICAL ENGINEERING

The Department of Electrical and Instrumentation Engineering has been playing a vital role in producing scientists and technologists of highest calibre ever since it was established in the year 1956. Thapar's BE (Electrical Engineering) aims to strengthen India's excellence in the field of Electrical Engineering. The department is currently engaged in research in many areas of Electrical Engineering including Power Systems, Energy Studies, Power Electronics, Electrical Drives, High Voltage engineering, Signal Processing, Image Processing and Multimedia, Biomedical Imaging, Machine Learning, etc.

Duration:- 3 years

Level: Graduation

Type: Degree

Eligibility:- +2 and Jee Main

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This program enables you to excel in the field of Electrical and Instrumentation Engineering to meet the aspirations of global community. Being an inter-disciplinary branch of engineering, it is heading towards development of new and intelligent sensors, smart transducers, MEMS Technology, Bluetooth Technology. The programme finds its origin in both electrical and electronics engineering, and it covers subjects related to electronics and electrical streams. In general, it deals with measurement, automation and control processes.

Duration:- 3 years

Level: Graduation

Type: Degree

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Duration:- 3 years

Level: Graduation

Type: Degree

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Electronic, as well as computer engineers are in great demand in industries across the globe. Joint applications such as, mobile phones, space shuttles, desktops, tablets, etc are few of the examples where competence in both of the fields is of paramount importance. The increased use of these technologies in all aspects of our lives ensures continued relevance and its expansion in the future. The Electronics and Computer Engineering undergraduate program is a course which aims to integrate these two separate engineering fields to meet the joint demands made by the electronic and computer industries in today's world. This program blends various courses of both fields over the period of four years with an emphasis on the design of computing systems.

Duration:- 3 years

Level: Graduation

Type: Degree

Eligibility:- +2 and Jee Main

## 8. MECHANICAL ENGINEERING

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Duration:- 4 years

Level: Graduation

Type: Degree

Eligibility:- +2 and Jee Main

## 9.MECHATRONICS

The hybrid of electronic, electrical and mechanical engineering, 'Mechatronics' is a unique programme at Thapar Institute of Engineering & Technology that clubs the distinguishing features of each field to yield the best competitive mix for current generation. Mechatronics professionals are the technicians and engineers who design and maintain automated equipment. They work beside engineers and scientists, often assisting in the research and development of production.

Duration:- 4 years

Level: Graduation

Type: Degree

Eligibility:- +2 and Jee Main

## 10. MECHANICAL ENGINEERING (PRODUCTION)

Mechanical engineering and production technology graduates have the necessary design, production and automation skills required in mechanical engineering. The scope of the programme varies from material research to machinery development, nano technology, smart materials, aerospace technology, missiles technology, CAD/CAM, FMS, CIM, Automation and such other interrelated developments.

Duration:- 4 years

Level: Graduation

Type: Degree

Eligibility:- +2 and Jee Main

IEP (international engineering Program )

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The Civil Engineering Program at Thapar Institute of Engineering & Technology is designed to prepare its graduates for continued learning and successful careers in industry, government, academia and consulting. Our graduates are expected to

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Embrace sustained lifelong learning by pursuing higher education suitable for the needs of the profession & community  
Achieve leadership roles by serving the society as ethical and responsible professionals

Duration:- 4 years

Level: Graduation

Type: Degree

Eligibility:- +2 and Jee Main

## 2. COMPUTER ENGINEERING

BE Computer Engineering program is a special program designed to apply analytical skills and demonstrate research capabilities in the field of computer science and engineering. It enables you to work in multidisciplinary environments and get responsive to the changing needs of the society. Incorporating a detailed mix of software and hardware engineering, this program can be defined as the application of a systemic, disciplined, and quantifiable approach to development, operation and maintenance of computer-related technicalities.

Duration:- 4 years

Level: Graduation

Type: Degree

Eligibility:- +2 and Jee Main

## 3. ELECTRONICS & COMMUNICATION ENGINEERING

Thapar's Department of Electronics and communication Engineering was established in 1975 with the inception of the Institute to cater to undergraduate education in the field of Electronics and communication Engineering. It aims to produce quality professionals in Electronics and communication engineering to compete globally and excel by carrying out basic and applied research in emerging areas by forging strong industry-institute interaction.

Duration:- 4 years

Level: Graduation

Type: Degree

Eligibility:- +2 and Jee Main

## 4. MECHANICAL ENGINEERING

Mechanical Engineering Department was established in 1956 with the inception of the institute to produce high quality engineers the field of Mechanical Engineering to cater the needs of the newly Independent India. The programme involves application of principles of physics for analysis, design, manufacturing, and maintenance of mechanical systems. It requires a solid understanding of key concepts including mechanics, kinematics, thermodynamics and energy. Mechanical engineers use these principles and others in the design and analysis of automobiles, aircraft, heating and cooling systems, manufacturing plants, industrial equipment and machinery, medical devices and more.

Duration:- 4 years

Level: Graduation

Type: Degree

Eligibility:- +2 and Jee Main

Vansh Gehlot, is a 3rd year student from Thapar University studying Mechatronics Engineering following is the intro about himself:

A world where GenAI, LLMs and Web3/ Blockchain tech empowers creators, students and innovators - that's the future I'm building. I'm **Vansh Gehlot**, an emerging entrepreneur dedicated to making that vision real.

Co-founder of **Dragverse** (dragverse.io) dApp explicitly created for drag/ LGBTQ+ 🏳️‍🌈 artists and aficionados to create, share, mint, and stream their art and build their own communities, check us out **here!**

Founder of **CodeAsia** (test.codeasia.org), a registered 501(c)(3) non-profit building community for high school enthusiasts building over innovation.

Building **MeTag** the next generation of social and public key management in the world of Web3, making connecting in the Web3 era easier, fun and a little futuristic.

Vansh Gehlot Socials are as follows:

LinkedIn: <https://www.linkedin.com/in/vanshgehlot>

Twitter: <https://twitter.com/VanshGehlotJDH>

GitHub: <https://github.com/VanshGehlot>

Hugging Face: <https://huggingface.co/VanshGehlot>

Google: <https://g.co/kgs/CL17Np>

Website: <https://vanshgehlot.us>

To put opportunity, creativity and joy into every life through tech and learning built to serve all of humanity? The future is ours to shape. Let's get started! 🚀

Vansh Gehlot, a visionary Mechatronics Engineering student from Thapar University, driven by a passion for harnessing the power of GenAI, LLMs, and Web3/Blockchain technologies to shape a future that empowers creators, innovators, and students alike.

As the co-founder of Dragverse (dragverse.io), a pioneering dApp, he provides a vibrant platform for drag/LGBTQ+ artists to create, share, mint, and stream their art, fostering a sense of community. His innovative spirit also extends to MeTag (getmetag.io), where he is pioneering the next generation of social and public key management in the Web3 world, making connections seamless, exciting, and futuristic.

In addition, Vansh is the founder of CodeAsia(test.codeasia.org), a registered 501(c)(3) non-profit, where he fosters innovation and creativity among high school students, providing them with a platform to explore and build their ideas. His leadership guides an international team of GenZ enthusiasts, all eager to make a positive impact.



Enthusiastic about the transformative potential of technology, Vansh Gehlot is committed to infusing every life with opportunity, creativity, and joy. Join him in shaping a future that serves all of humanity. Let's get started! 🚀

The present Director of Thapar University is Dr. **Padmakumar Nair**

**Prof. Padmakumar Nair**, has been appointed as the new Director of the Thapar Institute of Engineering and Technology, Patiala, Punjab.

**Prof. Nair** is passionate about assisting in the development and leadership of sustainable enterprises and innovative entrepreneurial endeavours. Professor Nair has extensive leadership experience in both academia and industry. He has been an integral part of the leadership team of TIET during the last nine years.

He joined TIET in July 2013 and has since successfully led LMTSOM in helping students, faculty, and staff in achieving their full potential. He was also crucial in the formation of the TSLAS. Prior to his current position, he was a clinical Professor and Academic Director for the Leadership Center at the University of Texas at Dallas in the United States. He has been a visiting professor at some of the world's top universities, including the University of Tokyo in Japan and the University of Twente in the Netherlands (The Netherlands). He has also worked as a strategy consultant for well-known multinational corporations such as IBM. Professor Nair received his M. Tech from IIT Kharagpur and his Ph.D. from the University of Twente in 1993, after which he acquired another Ph.D. from the University of Tokyo. In 1999, he earned an MBA from Heriot-Watt University. An empathetic and enterprising leader with high levels of initiative and energy ready to lead TIET to excellence in accomplishing its envisioned objectives

Eishkaran Singh is a talented individual from India with a passion for computer engineering and data science. He has pursued his education at prestigious institutions, including Thapar Institute of Engineering and Technology, where he completed a BTech in Computer Engineering, and the Indian Institute of Technology, where he pursued a BS in Data Science and Applications.

You could reach him out at [vanshgehlot.us](mailto:vanshgehlot.us)

Dr. Prashant Singh Rana:

Dr. Prashant S Rana is an Assistant Professor in the Computer Science and Engineering Department at Thapar Institute of Engineering and Technology. He has been with the institute since 2015. His research interests include machine learning, data mining, modeling and simulation, parallel algorithms, optimization, and computational biology.

Dr. Rana has published several papers in top academic journals and conferences. He has also received several awards and honors, including a PhD Scholarship from the Ministry of Human Resource Development (MHRD).

One of Dr. Rana's current research projects is called Tox2020. This project is focused on developing a machine learning model to predict the toxicity of pre-clinical trial drugs. Dr. Rana is also working on a project called CARS, which is a computational framework for analyzing the structure and dynamics of proteins.

Dr. Rana is a highly accomplished researcher with a strong track record of publications and awards. His research interests are in high demand in the field of computer science, and he is making significant contributions to the field.

Here are some additional details from the profile:

- Dr. Rana received his PhD in Computer Science from the Indian Institute of Technology Delhi in 2014.
- He has published over 20 papers in top academic journals and conferences.
- He is a recipient of the MHRD PhD Scholarship, the IBM Faculty Award, and the ACM SIGKDD Research Award.
- He is a member of the IEEE and the ACM.

Dr. Seema Bawa:

Dr. Seema Bawa is a Professor of Computer Science and Engineering at Thapar Institute of Engineering and Technology. She has been with the institute since 2005. Her research interests include blockchain technology, data science, big data analytics, and machine learning.

Dr. Bawa has supervised 23 PhDs, six of which are in progress. She has completed five national level sponsored projects and published 184 research papers in international journals/conferences of repute. She is also a recipient of the DST Women Scientist Award. Dr. Bawa has a wealth of experience in the IT industry. She worked as a Project Manager, Project Leader, and Senior Software Engineer for seven years before joining Thapar. She is also a certified Project Management Professional (PMP).

Dr. Bawa is a highly accomplished researcher and educator. She is passionate about using technology to solve real-world problems. She is also a strong advocate for women in STEM. Here are some additional details from the profile:

- Dr. Bawa received her PhD in Computer Science from Thapar Institute of Engineering and Technology in 2005.
- She has published over 180 papers in top academic journals and conferences.
- She is a recipient of the DST Women Scientist Award, the IBM Faculty Award, and the ACM SIGKDD Research Award.
- She is a member of the IEEE and the ACM.

## **Department of Mechanical Engineering, Thapar Institute Of Technology, AKA TIET**

### **Hybrid development regime**

**As a pivotal engineering discipline at TIET, Mechanical engineering serves as a source for engineering inventions and developments. With wide applications and career opportunities in spacecrafts, aeroplanes, hybrid and autonomous cars, rapid prototyping and 3D printing, reverse engineering, robotics & automation, the field seeks to imbibe multi-varied aspects of engineering for futuristic development.**

**Global collaborations with international forums like Society of Automobile Engineers (SAE) Formula Student, Europe and the University of Waterloo, Canada stand to upgrade student experiences to great heights.**

### **## Globally acclaimed education**

**The department has aligned its curriculum with the Trinity College Dublin (University of Dublin, Ireland). The curriculum is well-planned and aligned with futuristic industry demands encouraging the active participation of students in academic activities.**

**MED benefits greatly from its NBA & ABET accreditation and funding which fuels its high-end research and innovation. Cherished collaborations offer exchange programmes, joint research initiatives and dual campus degrees to students.**

### **## Vision**

**To be among the top ten departments in the country for higher technical education of global standards in Mechanical Engineering and its specialties.**

### **## Mission**

- \* To deliver world-class, outcome based research-led education to undergraduate and graduate students.**
- \* To conduct high quality research driven by industry and society needs that generates new knowledge, innovations, discoveries and affordable engineering solutions.**
- \* To be dynamic, innovative and flexible in devising programs, structures and mechanisms to cope with the changes.**
- \* To ensure the students are equipped with academic, corporate and entrepreneurial leadership, communication skills and global awareness required by the engineering profession and society in general.**
- \* To establish an environment that encourages and builds an exemplary degree of citizenship, professional and personal integrity and ethical behavior.**

## **## Message from Head of the Department**

**### Prof. T.K. Bera (Tarun Kumar Bera) - HOD of Department of Mechanical Engineering at Thapar**

**Welcome to the Department of Mechanical Engineering at Thapar**

**Institute of Engineering & Technology (Deemed University) TIET, Patiala.**

**Mechanical Engineering is perhaps the broadest of all engineering disciplines. It involves a great deal of interdisciplinary work. Mechanical Engineers use the principles of science and knowledge of materials, design, thermal aspect and manufacturing to continuously develop new technologies and products. Creation of Robots, airplanes, vehicles, medical devices, micro sensors and many others require a considerable involvement of mechanical engineering.**

**The department of Mechanical Engineering at TIET is one of the pioneering departments of the Institute and came into being in 1956 along with the establishments of Institute. In the last six decades, the department has made a steady progress and growth in stature. The UG programmes of the department are accredited by NBA and the B.E. Mechanical Engineering programme is also accredited by ABET.**

**The department offers three Bachelor's courses: B.E. Mechanical Engineering, B.E. Mechatronics Engineering and B.E. Robotics and Artificial Intelligence, two Master's courses: M.E. CAD/CAM Engineering and M.E. Thermal Engineering program and PhD programs in different specialized areas. B.E. Mechanical undergraduate program is carefully crafted to offer elective focus in three major areas of Mechanical Engineering: Automotive Technologies, Robotics and Smart Manufacturing.**

**The department regularly revises its curriculum to align it with developments in technology and ever growing needs of industry. There is a significant industry connect which helps us to make our teaching-learning processes more effective and industry oriented. As a part of the academic contemporization to bring our teaching standards and practices at par with the best in the world, our curriculum has been harmonized with that of Trinity College Dublin. This contemporization process also includes training of entire faculty of the department on educational technologies, joint research by faculty of two institutions and student exchange.**

**The department has well equipped labs which are regularly upgraded and modernized with latest equipment and software. The competent and experienced faculty of the department is extensively involved in cutting edge research; in addition to effective classroom teaching, they support beyond the classrooms and mentor the students for their careers. Faculty members also continuously work for their professional development by attending and organising conferences and faculty development programme.**

**We are committed to continuously improve every aspect of teaching-learning process and research on realise our vision- "To be among the top ten departments in the country for**

higher technical education of global standards in Mechanical Engineering and its specialities."

Faculty Department of Mechanical Engineering at Thapar

Top-notch faculty members with rich industry experience to hone the best in every student

**Dr. S. K. Mohapatra**

**Senior Professor**

**Specialization: Thermal Engineering**

**Email: skmohapatra@thapar.edu**

**[Read More]**

**Professor Ajay Batish**

**Deputy Director & Professor**

**Specialization:**

**Advanced Manufacturing**

**Process Optimization**

**Ergonomics**

**Quality Engineering**

**Email: abatish@thapar.edu**

**[Read More]**

**Dr. Tarun Kumar Bera**

**Professor and Head**

**Specialization: Dynamics and Control**

**Email: tkbera@thapar.edu, hmed@thapar.edu**

**[Read More]**

**Dr. Tarun Nanda**

**Professor**

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**Phase Change Materials**

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**Optimization**

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**Inverse on various thermal systems**

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- Alternate Fuels
- Bulk Solids Handling
- Automobile Product Development
- Solar Thermal Systems
- Nano-Fluids
- Hydrogen Fuel Cell
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**Specialization: Computer Vision, Machine Learning**

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**Specialization: Computer Vision, Data Science, Machine Learning, Deep Learning**

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**Specialization: Algorithms, Design Automation and Optimization for Digital and Optical Systems**

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**Dr. Nitish Andola**

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**Specialization: Network Security, Blockchain**

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**Dr. Saif Nalband**

**Assistant Professor**

**Specialization: Biomedical Signal Processing, Machine Learning, Blockchain in healthcare**

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**Assistant Professor**

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**Assistant Professor**

**Specialization: Affective Computing, Text Summarization, Machine Learning**

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**Dr. Rahul Nijhawan**

**Assistant Professor**

**Specialization: Machine Learning, Image Processing, Medical Imaging, Computer Vision**

**Email: rahul.nijhawan@thapar.edu**

**Dr. Sumit Kumar**

**Assistant Professor**

**Specialization: Image Processing, Object Detection, Cloud, and Data Security**

**Email: sumit.kumar2@thapar.edu**

**Dr. Mandeep Kaur**

**Assistant Professor**

**Specialization: Cloud Computing, Machine Learning, Blockchain**

**Email: mandeep.bajwa@thapar.edu**

## **Alumni Success Stories**

### **Our Distinguished Alumni Members with Noteworthy Achievements and Accomplishments**

#### **Dr. Vijay K. Goel (1966)**

- Distinguished University Professor, University of Toledo, Toledo Endowed Chair & McMaster-Gardner Professor
- Co-Director, Engineering Center for Orthopedic Research Excellence (E-CORE)

#### **DP Sabharwal**

- Independent Aviation & Aerospace Professional, Bengaluru, Karnataka, India

#### **Mr. Ravinder Kanwal (1967)**

- Managing Director, Shonghai Technologies Ltd., India & Bulk Pack Services Ltd., India

#### **Dr. Romesh C. Batra (1968)**

- Distinguished Professor, Virginia Polytechnic Institute and State University, USA

#### **Mr. Ajit Kumar Sachdeva (1969)**

- HYDRO-MECHANICAL EXPERT, Egis India Consulting Engineers Pvt Ltd., India

#### **Dr Ashok Sharma (1974)**

- Chief Executive, Cleantech International Foundation, South Delhi, Delhi

**Mr. Chandra Shekhar Gupta (1972)**

- Managing Director, CS Zircon Products Pvt Ltd, India

**Mr. Jaikumar Sharma (1977)**

- Vice President, Consolidated Coin Company, India

**Yashminder K. Bansal (1979)**

- AGM at Bharat Electronics Limited, Faridabad, Haryana, India

**Surender Kumar Lamba (1977)**

- Senior Executive, Construction Equipment, Auto Parts & Industrial Machinery, New Delhi, India

**Mr. Suresh Kumar Batra (1977)**

- Sr. Advisor, Vedanta Cairn Oil and Gas, India

**Mr. Ashwani Kumar Aggarwal (1980)**

- Plant Head & Sr. GM, Mahindra & Mahindra (Swaraj Division Mohali)

**Deepak Singh Gehlot (1978)**

- CEO, K S Technosoft Pvt. Ltd.
- Executive Chairman, Matellio India Pvt Ltd., Jodhpur, Rajasthan, India

**Mr. Arvind Taneja (1980)**

- Former Executive Vice President, DLF Limited, India

**Harry Panesar (1979)**

- President, G.D.N. TECHNOLOGIES INC. / CAVEN TECHNICAL SALES LTD., Mississauga, Ontario, Canada

**Alok Garg (1979)**

- Director, SPACIYA, Noida, Uttar Pradesh, India

**Rajan Malhotra (1979)**

- CEO, Raunaq International Limited, Faridabad, Haryana, India

**Mr. Rajesh Uppal (1981)**

- Executive Director, IT and Education & Training, Maruti Suzuki India Ltd., India

**Sh. Vijay Pal (1983)**

- Chief Engineer Marine / Consultations / Maintenance / Training, Navi Mumbai, Maharashtra, India

**Mr. Viney Davessar (1984)**

- Quality Assurance Consultant, Trainer and Auditor, British Standards Institute, Chandigarh, India

**Mr. Jayant Davar (1984)**

- Co-Chairman and Managing Director, Sandhar Technologies Ltd, India

**Mr. Gajinder Bains (1984)**

- Director, Spectross Digital Systems Pvt. Limited
- Principal Consultant at Bains & Associates, Gurgaon, Haryana, India

**Mr. Robin Raina (1985)**

- Founder & CEO of Ebix

**Mr. VARINDER SAINI (1985)**

- Superintending Engineer, Punjab State Power Corporation Ltd., India

**Mr. Vijay Kant Goyal (1985)**

- Chief Manager, National Fertilizers Limited

**Mr. Gurtej Singh (1986)**

- Chairman & CEO, Ivy Healthcare Group, India

**Rajan Malhotra (1986)**

- Production Planning/Logistics /Program Manager, KSM Castings Group, Gastonia, North Carolina, United States

**Mr. Arun Handa (1986)**

- Senior General Manager Operations, SML ISUZU Ltd., India

**Mr. Jotvinder Sodhi (1988)**

- Quality Head, Husky Injection Molding Systems, Canada

**Mr. Ankush Arora (1989)**

- Chief Operating Officer (COO), Almansour Automotive Co., Egypt

**Prem Kapoor**

- Managing Director at shivpra cranes p ltd

**Shri Manoj Ahuja (1989)**

- Agriculture Secretary, Govt. of India, India

**Mr. Sandeep Singh Toor (1989)**

- Plant Head, Hawkins Cookers Ltd., India

**Mr. Arvind Mahajan (1990)**

- Cluster Head, Adani Agrilogistics Limited, Mumbai, India

**Mr. Robin Raina (1989)**

- Chief Executive Officer, Ebix Inc., Atlanta, Georgia, USA

**Mr. Atul Nagpal (1990)**

- Managing Director, Ceratizit Group, India

**Dr. Lovneesh Chanana (1991)**

- Head of Government Affairs, SAP (Asia Pacific and Japan region)
- Chairman of IT/ITES council, Associated Chambers of Commerce and Industry (Assocham) of India, New Delhi, Delhi, India

**Mr. Vikas Kaushal (1992)**

- Managing Director, MAGNUS STEELS Pvt Ltd, India

**Mr. Vikram Mehta (1992)**

- Associate Vice-President, Finance and Treasurer, QuEST Global, Bengaluru, Karnataka, India

**Mr. Maninderpal Singh (1992)**

- General Manager (Operations), Dana Incorporated, India

**Rahul Kalia (1992)**

- Managing Partner & Board Director, IBM Consulting, UK and Ireland

**Sh. Amandeep Gupta (1993)**



- The Sherpas, Founder and Sherpa-in-chief, Gurugram, Haryana, India

**Mr. Atul Sood (1993)**

- Deputy General Manager, Toyota Kirloskar Motors, India

**Mr. Sandeep Sethi (1993)**

- Vice President and Head, Business Excellence, LafargeHolcim ACC, Mumbai, India

**Dr. B. P. Gupta (1993)**

- Founder at Turnaround Educational and Consultancy Services, Corporate Trainer, Jalandhar, Punjab, India

**Mr. Mukhraj Saberwal (1994)**

- Vice President, Technology at Accenture India, Mumbai, Maharashtra, India

**Mr. Manish Gupta (1994)**

- Group Chief Information Officer, Aditya Birla Group, Mumbai, Maharashtra, India

**Mr. Ajay Saran Sharma (1994)**

- Vice President Design & Head, Mahindra India Design Studio (MIDS), Mahindra, India

**Mr. Hardeep S. Brar (1994)**

- Vice President & Head of Marketing & Sales, Kia India, Gurgaon, Haryana, India

**Mr. Ranjit Singh (1994)**

- Managing Director, Singh Hydraulics Private Limited, Gurgaon, India

**Mr. Gagan Deep (1995)**

- Deputy General Manager, Engineers India Limited

**Mrs. Sonali Mulay (1996)**

- Vice President, Sandvik Coromant, India

**Mr. Navneet Bansal (1996)**

- Chief Manager, ACC Limited, India

**Mr. Sachin Mahendru (1996)**

- Assistant General Manager, Thyssenkrupp Elevator, India

**Raman J S Dhooria (1996)**

- Director- Corporate & Education, Microsoft

**Mr. Rajan Bedi (1996)**

- Hydraulics, Pneumatics & Oil Filtration, Trainings, Steam Systems, Thermal Engineering, Engineering Analysis & Audits

**Mr. Vikas Verma**

- Director, PLAINWISE Services, Sydney

**Mr. Bhawandeep Singh Sidhu (1997)**

- Director and Head (Marketing & Technical), Punjab Agro Juices Limited, India

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Assistant Professor

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Assistant Professor

DPhil (History), University of Oxford

Assistant Professor, TSLAS, Thapar Institute of  
Engineering & Technology, Bhadson Road, Patiala-147004, Punjab

Areas of Interest:

History of the colonial and contemporary world; History of Communism; Ideas of History and Politics in the Twentieth Century.

agnibhogangopadhyay@thapar.edu

Agnibho Gangopadhyay is an Assistant Professor at the School of Liberal Arts and Sciences. He studied History at Presidency College (Calcutta) and Modern History at Jawaharlal Nehru University (New Delhi). His doctoral dissertation is a biographical study of a Communist partisan and historian working in Calcutta from the 1930s till the 1980s.

Publications:

The doctoral thesis is being developed into a book"

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DR. VINAY KUMAR

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Head", "<https://tslas.thapar.edu/facultymaster/25>", "DR. VINAY KUMAR

Associate Professor

Associate Head

of Information Technology, Noida, India PhD in Electrical Engineering, Jaypee University

Associate Professor, Department of Electronics &  
Communication Engineering, Thapar Institute of Engineering & Technology, Bhadson Road,  
Patiala-147004, Punjab

Areas of Interest:

Deep learning, image and video processing, speech processing

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Vinay Kumar is Associate Professor at Thapar Institute of Engineering and Technology, Patiala. His team focuses on Image Processing, Deep Learning for Computer Vision and Natural Language Processing. The research focuses on development of computationally efficient deep learning models, sentiment analysis through natural language analysis, super resolution, and image fusion. He has published many papers in journals of international repute and patents.

He is an energetic, technology driven and learner centric teacher. He was part of a year long Academic Practice and eLearning program by the Centre for Academic Practice and eLearning, Trinity College Dublin. He is also part of Venture Lab at Thapar Institute, it helps students to be entrepreneurs through a full four-year cycle of courses, laboratories, workshops, and invited lectures on embedding entrepreneurship in engineering. The venture lab works in collaboration with Venture Lab North, University of Groningen. He organized many international conferences and workshops, and delivered a few invited lectures."

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Associate Professor

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Professor","https://tslas.thapar.edu/facultymaster/40","DR SHVETA DHALIWAL

Associate Professor

M.A. (Political Science & English), M.Phil.  
(International Relations), UGC-NET (Political Science),

Ph.D. (Human Rights, South Asia)

Intensive course on University Teaching and  
Research in Human Rights, July 2009, the International Institute of Human Rights (IIDH),  
Strasbourg, France,

Completed General Orientation Course of the  
University Grants Commission in January 2011

Completed 28th Refresher Course on Research Methodology, 21 November - 08 December  
2012

Completed Ministry of Human Resource Development; Government of India sponsored GIAN  
Course on Global Constitutionalism: Emerging Trends, 8-12 August 2016

Completed GIAN Course on Alternative Dispute Resolution in India and USA: Challenges and Possibilities, 23rd-27th November 2017

Areas of Interest:

Human Rights, International Relations, Political Thought

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Papers/Books Published

Authored Books:

Development of Regionalism in South Asia: Some Reflections on SAARC, M.D. Publications, New Delhi, 2009.

Human Rights Mechanism in South Asia, Routledge, London-New York-New Delhi, 2017, 1st Edition (2nd Edition forthcoming)

United Nations and Human Rights, Routledge, London-New York-New Delhi  
(Forthcoming)

Edited Books:

Indo-US Relations, Routledge, London-NY-New Deli, 2022

Human Rights Advocacy: Global Approaches, Local Experiences, Rajiv Gandhi  
National University of Law, Punjab, 2011

Co-Edited: Political Science and Global Governance: Some Multidisciplinary  
Approaches, Rajiv Gandhi National University of Law, Punjab, 2011

Co-Edited: Deliberations on Research Methodology: A Multi-disciplinary  
Approach, Mohan Law House Publication, New Delhi, 2015

India and the World Order, Routledge, London-New York-New Delhi,  
(Forthcoming)

Paper publications (International)

“Regionalization of National Human Rights Institutions (NHRIs): An Appraisal of  
the Initiatives taken in the Asia-Pacific”, Indian Socio-Legal Journal, Vol. XXXVI, No. 1 and 2,  
2010, pp.135-142. PART-I



“Regionalization of National Human Rights Institutions (NHRIs): An Appraisal of the Initiatives taken in the Asia-Pacific”, Indian Socio-Legal Journal,, Vol. XXXVII, No. 1, 2011, pp. 121-131. PART –II

“International and Regional Human Rights Monitoring: Comparison between the United Nations and the European Regimes”, Indian Socio-Legal Journal, Vol. XXXVII, No. 1, 2011, pp. 115-120

“European and South Asian Social Charters: A Comparative Analysis”, Cuadernos Universitarios, Publicaciones Academicas, Vol. 6, No. VI, December 2013, pp. 63-80. (Translated to Spanish by Prof. Martin A. Rodriguez and Ms. Gala Soler, University of Argentina)

Road Map for South Asian Human Rights Initiative: Lessons from the African Mechanism, Journal of Public and Private Law, a publication of Nnamdi Azikiwe University, Awka, Nigeria, Vol. 6, July 2014, pp. 168-178

Paper publication (National)

Confidence Building Measures: Indo-Pak Dimension”, Journal of Government and Politics, Vol. XXVII, No. 2, 2007, pp. 61-73

“Sixty Years of UDHR: A Journey from Universalization to Regionalization”, Pravin Parekh (Ed.) Human Rights Yearbook Parekh and Parekh Publications, New Delhi, 2008, pp. 215-231

“Environmental Crisis in South Asia: Regional Planning under SAARC”, Dr. Jagbir Singh (Ed.) Information Technology and Environmental Management, Vol. II, M.D. Publications, 2008, pp. 369-380

“Development of Human Rights Culture in South Asia: Role of SAARC” Indian Journal of Political Science, Vol. LXIX, No. 3, JulySeptember , 2008, pp. 565-575

“Universal Human Rights Norms Imbued in Hinduism: A Conceptual Analysis”, Diviner, Vol. 6, No. 1, January-June, 2009, pp. 130-138

“RTI: An Important Human Right in the Era of Globalization”, Dr. R.K. Gupta (Ed.), Right to Information Act, 2005: Problems and Challenges, Deep and Deep Publications, New Delhi, 2008 pp. 452-461

“Role of Indian Judiciary in Implementation of Human Rights vis-à-vis Other South Asian Countries”, Harpal Khehra (Ed.), Growth of Law in India: Role of Judiciary, Punjabi University Press, Patiala, 2010, pp. 116-130

“Minority Rights as Human Rights: Promotion and Protection under Regional Human Rights Mechanisms”, Punjabi University Law Journal, Vol. II, 2008, pp. 263-291

“Human Rights of Women in South Asia: Promotion and Protection under SAARC”, Kashmir Law Review, Vol. XV, No. 1, 2008, pp. 31-44

“Regional Human Rights Mechanisms: An Overview of the American System”, Conference Papers of the Sixth Annual Conference on International Law in the Contemporary World, Indian Society of International Law, 1-4 February 2009, pp. 202-219

“Effectiveness of Judicial Review in South Asian Countries: Steps Taken by SAARC”, MIMAANSA, Vol.1, 2010, pp. 55-62.

“Inculcating the Culture of Human Rights of Women within Asia: Comparison of Initiatives taken by ASEAN and SAARC”, Diviner, Vol. VII, No. 2, July-Dec., 2010, pp. 59-77

“South Asian Human Rights Mechanism: Politico-Economic Perspective”, T. Nirmala Devi (Ed.), *South Asia and Global Financial Crisis: Issues and Challenges*, Pentagon Press, New Delhi, 2011, pp. 194-210

“The Regional Human Rights Mechanism of Arab Region: Exploring Relevance in the Times of Revolution”, *Diviner*, Vol. XIII, No. 1, Jan.-June 2011, pp. 187-195

“Human Rights Advocacy for South Asian Mechanism: Problems and Perspectives”, Shveta Dhaliwal (Ed.) *Human Rights Advocacy: Global Approaches, Local Experiences*, Rajiv Gandhi National University of Law, Punjab, 2011, pp. 8-22

“Cultural Relativism: Relevance to Universal and regional Human Rights Monitoring”, *The Indian Journal of Political Science*, Vol. LXXII, No. 3, July-September, 2011, pp. 635-640

*International and Regional Human Rights Monitoring: Comparison Between the United Nations and the European Regimes*, *Indian Socio-Legal Journal*, Vol. XXXVII, Nos. 1&2., pp. 115-121

Book Review: Ralph Grillo, Roger Ballard, Alessandro Ferrari, Andre J. Hoekema, Marcel Maussen and Prakash Jha (Eds.) *Legal Practice and Cultural Diversity*, Ashgate, Surrey, 2009 *Finnish Journal of Ethnicity and Migration*, 2010

Book Review: Tan Tai Yong (Eds.) *Socio-Political and Economic Challenges in South Asia*, Sage Publications, New Delhi, 2009. ISBN No. 978-81-7829-949-5. *MIMAANSA*, Vol. 2, No. 1

“Coalition Government as a Global Trend: A Theoretical Analysis” Ranpal Singh and Tejvir Singh (eds.), *Dynamics of Party System and Coalition Government in India*, Alfa Publications, New Delhi, pp. 29-33. ISBN NO: 978-93-81465-15-8

“Dichotomy between the First Two Generations of Human Rights and the Treaty Based Monitoring of the UN: An Analysis”, Political Science and Global Governance: A Multidisciplinary Approach, Paramjit S. Jaswal, G.I.S. Sandhu and Shveta Dhaliwal (Eds.). Rajiv Gandhi National University of Law, Punjab publication, Patiala, 2011, pp. 7-13

“Human Rights: A Tool of Good Governance”, Value Framework for Good Governance, Alka Sharma (Ed.), Omega Publications, New Delhi, 2011. pp. 68-86

“Challenges to Women Married to NRIs: An Overview of Politico-Legal Solutions to a Social Problem”, Marriage and Property Issues of NRIs: Challenges and Remedies, Paramjit S. Jaswal, G.I.S Sandhu and Anand Pawar (Eds.) Rajiv Gandhi National university of Law, Punjab publication, Patiala, 2012. pp. 112-117

“European Human Rights Mechanism”, Human Rights: Issues and Perspectives, Jatinder Kaur (Ed.) Unistar Books, Chandigarh, 2012, pp. 44-58

“Socratic Method of Teaching” Paramjit S. Jaswal, G.I.S. Sandhu and Manoj Sharma (Eds.) An Introduction to Teaching Methods in Higher Education, Rajiv Gandhi National University of Law, Punjab publication, 2018, pp. 8-15.

Indian and Western Questioning Methods: Comparing Socratic and Gurukul Tradition of Teaching, Vol. 11, Issue March 2020, pp. 199-209. Impact factor, 3.765, UGC Care listed journal

Human Rights Mechanism under the Organization of Islamic Countries (OIC): Moving Away or Towards Universalism?, Purva Mimaansa, Vol. 12, Issue March 2021, pp. 138-145. Impact factor, 4.115, UGC Care listed journal

Testimonial

Teaching is for those who believe they know nothing and keep walking towards knowing. In my humble experience of teaching within India as well as abroad, I have not only learnt from books, colleagues, seniors but also from my students. I have been successfully using horizontal teaching, wherein my students are my partners, who never fail to enrich the environment of my classes. I have never shied away from exploring new avenues of learning to escape monotony and to maintain my love for teaching and learning. Still a lot to know, a lot to do...!

### Awards and Recognition

Visiting Faculty, Masaryk University, Czech Republic, Adjunct Professor, Laurentian University, Canada, Hon. Director for South Asia Service Region for the Consortium for Teaching, Research, Learning and Development (CTRLD), Louisiana, U.S.A. since 2009

Awarded with scholarship by the International Institute of Human Rights (IIDH), Strasbourg, France to attend the 40th Study Session on Human Rights, 6-31 July 2009

Completed the 37th Intensive Training Session for University Teaching and Research in Human Rights, July 2009 organized by the International Institute of Human Rights (IIDH), Strasbourg, France Awarded with scholarship for Summer School for Political Science, 31 January-13 February 2011 by the University of Sao Paulo, Brazil Awarded Minor Research Project of 1.45 Million Indian Rupees, by the University Grants Commission, India, 2010-2012 Awarded Grant by the Embassy of the United States of America, New Delhi of \$ 6000 US Dollars in October 2014 to organize an international conference

Invited to deliver lecture on South Asian Human Rights Mechanism: Inspirations from the African System, 4-6 December 2014, Addis Ababa Session of the African Court of Human and Peoples' Rights, Tanzania Aailed US Department of State Fellowship on Study of United States Institutions on Foreign Policy, 16 June-29 July 2018

Invited to teach a short course based on my book at Masaryk University, Czech Republic, 2018 On Panel of Experts of several Indian Universities and colleges, for example, Punjabi University, Patiala; Panjab University, Chandigarh; Himachal Pradesh University, Shimla; Chandigarh University, Chandigarh; Guru Nanak Dev University, Amritsar; KMV College, Jalandhar, Khalsa College, Mahilpur, Hoshiarpur, Khalsa College, Amritsar, O.P Jindal university, Sonapat, since 2011

On panel of Experts of the Punjab Public Service Commission, India since 2011

On the panel of Experts of International publication houses, for example, Routledge and Palgrave

She has attended One Day Training Program on Human Rights, organized by the Center for Advanced Studies in Human Rights, RGNUL in association with National Human Rights Commission, New Delhi, 25 March 2017 Awarded Grant of 49,000 Indian Rupees by the Indian Council of Philosophical Research (ICPR), New Delhi, 10 August 2018

Completed 4 credit MOOCs course on International Human Rights System, April-May 2019"

"1694535721-4","<https://tslas.thapar.edu/faculty>","Dr. T. Brandon Evans

Assistant Professor of Art and of Literary and Cultural Studies

Dr. T. Brandon Evans

Assistant Professor of Art and of Literary and Cultural Studies","<https://tslas.thapar.edu/facultymaster/62>","Dr. T. Brandon Evans

Assistant Professor of Art and of Literary and Cultural Studies

University (Cambridge, USA)

PhD in Film and Visual Studies, Harvard

Art Institute of Chicago (Chicago, USA)

MA in Visual and Critical Studies, School of the

Areas of Interest:

Media studies, sound studies, art and exhibition studies and practices, Sikhi(sm) and study of religion, linguistics and Punjabi language, ethnomusicology, film and visual studies.

## Papers Published

Evans, T. Brandon. (2022) "Echoes in the Capitol, Echoes in History: Architectural Acoustics, Media Archaeology, and the Infrapolitics of Reverberation." *Sound Studies: An Interdisciplinary Journal*: 8/2.

Evans, T. Brandon. (2013) "A Sympathetic Resonance: Sound, the Listener, and Affect Theory." *Leonardo Music Journal* 23: 88–89 and online supplement.

## Testimonial

Began academic career at Georgetown University (Washington, DC, USA) with a BA in linguistics, interdisciplinary studies (art/semiotics), and performance practice. He then earned an MA in Visual and Critical Studies from the School of the Art Institute of Chicago, and a PhD in Film and Visual Studies from Harvard University. His dissertation project, "Listening to the Infinite: Sikh Soundscapes, Media, and Audiovisions," looked at varied uses of audiovisual media and heritage curation in the contemporary Sikh tradition in sites such as gurdwaras, museums/public exhibitions, and cinema. Throughout fieldwork and research, Brandon pursued study of Punjabi language and later taught Punjabi language tutorials for graduate and undergraduate students at Harvard University for four years. He has experience in international education administration, having served three times as the Resident Director for the US State Department's Critical Language Scholarship program. In addition to traditional scholarly pursuits, he has varied interest in creative performance and installation practices, encompassing performance of gurbani kirtan, creative academic production, audiovisual exhibition, and audio ethnography.

## Awards and Recognition



Loeb Full-year Fellowship for the Study of Religion in Public Life, Harvard University (2017)

AIIS/US Dept of Education Fellowship, for Advanced Study of Punjabi language at the American Institute of Indian Studies (Chandigarh, India: 2017)

Punjabi Language Program, Critical Language Scholarship (CLS), US Department of State/AIIS, Chandigarh, India (awarded twice: 2015 & 2016)"

"1694535724-5","https://tslas.thapar.edu/faculty","DR. BHASKAR CHANDRA MOHANTY

Associate Professor

DR. BHASKAR CHANDRA MOHANTY

Associate

Professor","https://tslas.thapar.edu/facultymaster/27","DR. BHASKAR CHANDRA MOHANTY

Associate Professor

Madras, India

PhD in Physics, Indian Institute of Technology,

Associate Professor, School of Physics and  
Material Sciences, Thapar Institute of Engineering & Technology, Bhadson Road,  
Patiala-147004, Punjab

Areas of Interest:

photovoltaics, thin film growth, flexible and dynamic electronics

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Dr. Mohanty is a researcher in condensed matter physics and specializes in thin film technology related to invisible and wearable electronics, photovoltaics and sensors. He has more than 45 publications in international journals to his credit. Dr. Mohanty completed his Masters in Science (MSc) in Physics from Ravenshaw College, Cuttack and PhD from Department of Physics, IIT Madras, India. Subsequently, he worked as a postdoctoral fellow for two years and then as a research professor for another two years at Yonsei University, Seoul, South Korea under a fellowship (BK21) from the Government of South Korea. Since 2012, he has been working at Thapar Institute of Engineering and Technology (TIET). He is a passionate teacher and has taught both undergraduate and postgraduate students at TIET. Besides his teaching, he leads a team of young scholars for their PhD and master's dissertation.

## Publications and other Research Outputs

I. Gupta and B. C. Mohanty, Dynamics of surface evolution in semiconductor thin films grown from a chemical bath, *Scientific Reports* 6, 33136 (2016).

I. J. Choi, J. W. Jang, B. C. Mohanty, S. M. Lee, and Y. S. Cho, Improved Photovoltaic Characteristics and Grain Boundary Potentials of  $\text{CuIn}_{0.7}\text{Ga}_{0.3}\text{Se}_2$  Thin Films Spin-Coated by Na-Dissolved Nontoxic Precursor Solution, *ACS Appl. Mater. Interfaces*, 8, 17011–17015 (2016).

D.H. Yeon\*, B.C. Mohanty\*, S. M. Lee, and Y.S. Cho, Effect of band-aligned double absorber layers on photovoltaic characteristics of chemical bath deposited PbS/CdS thin film solar cells, *Scientific Reports*, 5, 14353 (2015) (\*equal contribution).

Y. H. Jo, J. W. Jang, B. C. Mohanty, H. B. Kang, and Y. S. Cho, Improved photovoltaic and grain boundary characteristics of single elementary target-sputtered  $\text{Cu}_2\text{ZnSnSe}_4$  thin films by post sulfurization/selenization process, *J. Phys D* 48 (2015) 245103.

S.M. Lee, D.H. Yeon, B.C. Mohanty, and Y.S. Cho, Tensile Stress-Dependent Fracture Behavior and Its Influences on Photovoltaic Characteristics in Flexible PbS/CdS Thin-Film Solar Cells, *ACS Appl. Mater. Interfaces* 7(2015) 4573.

Y. H. Jo, B. C. Mohanty, D. H. Yeon, S. M. Lee and Y. S. Cho, Single Elementary Target-Sputtered  $\text{Cu}_2\text{ZnSnSe}_4$  Thin Film Solar Cells, *Solar Energy Mater. Solar Cells* 132 (2015) 136.

B. C. Mohanty, D. H. Yeon, J. H. Yun, K. H. Yoon and Y. S. Cho, RF power dependence of refractive index of room temperature sputtered ZnO:Al thin films, *Appl. Phys. A* 115 (2014) 347.

J. S. Kim\*, B. C. Mohanty\*, C. S. Han, S. J. Han, G. H. Ha, L. Lin, Y. S. Cho, In situ magnetic field-assisted low temperature atmospheric growth of GaN nanowires via the vapor-liquid-solid mechanism, ACS Appl. Mater. Interfaces 6 (2014) 116. (\*equal contribution).

C. S. Han, B. C. Mohanty\*, H. R. Choi and Y. S. Cho\*, Surface Scaling Evolution and Dielectric Properties of Sputter-Deposited Low Loss Mg<sub>2</sub>SiO<sub>4</sub> Thin Films, Surf. Coating Technol 231 (2013) 229. (\*Corresponding author).

S. M. Lee, B. C. Mohanty, Y. H. Jo, D. H. Yeon and Y. S. Cho, Phase development, microstructure and optical properties of Cu<sub>2</sub>ZnSnSe<sub>4</sub> thin films modified with Pb and Ti, Surf. Coating Technol. 231 (2013) 389.

B. C. Mohanty, D. H. Yeon, S. N. Das, J. H. Kwak, K. H. Yoon, and Y. S. Cho, Unusual near-band-edge photoluminescence at room temperature in heavily-doped ZnO:Al thin films prepared by pulsed laser deposition, Mater. Chem. Phys. 140 (2013) 610.

O.H. Kwon, B.C. Mohanty, D.H. Yeon, J.S. Yeo, I.H. Cho, K.H. Lee and Y.S. Cho, "Effective Laser Sealing Enabled by Glass Thick Films Containing Carbon Black/Carbon Nanotube," J. Am. Ceram. Soc. 96 (2013) 1113.

C. S. Han, B. C. Mohanty, C. Y. Kang, Y. S. Cho, Sputter-deposited low loss Mg<sub>2</sub>SiO<sub>4</sub> thin films for multilayer hybrids, Thin Solid Films 527 (2013) 250.

B. C. Mohanty, B. K. Kim, D. H. Yeon, Y. H. Jo, I. J. Choi, S. M. Lee and Y. S. Cho, Structural and Raman scattering properties of ZnO:Al thin films sputter-deposited at room temperature, J. Electrochem. Soc. 159 (2012) H96.

B. C. Mohanty, J. W. Lee, D. H. Yeon, Y. H. Jo and Y. S. Cho, Dopant induced variations in microstructure and optical properties of CeO<sub>2</sub> nanoparticles, Mater. Res. Bulletin. 46 (2011) 875.

B. C. Mohanty, H. R. Choi and Y. S. Cho, Fluctuations in global surface scaling behavior in sputter deposited ZnO thin films, EPL (Europhysics Lett.) 96 (2011) 26003.

B. C. Mohanty, D. H. Yeon, B. K. Kim, and Y. S. Cho, Spatial variation in structural, morphological and optical properties of aluminum-doped ZnO thin films grown by 30°- incident radio frequency magnetron sputtering, J. Electrochem. Soc. 158 (2011) P30.

B. C. Mohanty, H. R. Choi, Y. M. Choi and Y. S. Cho, Thickness-dependent fracture behavior of flexible ZnO:Al thin films, J. Phys. D: Appl. Phys. 44 (2011) 025401.

S. M. Lee, Y. H. Jo, H. E. Kim, B. C. Mohanty and Y. S. Cho, Barium Neodymium Titanium Borate Glass-Based High k Dielectrics, J. Am. Ceram. Soc. 95 (2012) 1356.

Y. H. Jo, S. H. N. Doo, J. S. Lee, B. C. Mohanty, Y. S. Cho, Effect of Zn and Ca modifications on crystallization and microwave dielectric properties of lanthanum borates, J. Alloys Compd. 509 (2011) 849.

B. C. Mohanty, H. R. Choi and Y. S. Cho, Scaling of Surface Roughness in Sputter-Deposited ZnO:Al Thin Films, J. Appl. Phys. 106 (2009) 054908.

B. C. Mohanty, Y. H. Jo, D. H. Yeon, I. J. Choi, and Y. S. Cho, Stress-induced anomalous shift of optical band gap in ZnO:Al thin films, Appl. Phys. Lett. 95 (2009) 062103.

Y. H. Jo, B. C. Mohanty and Y. S. Cho, Enhanced Electrical Properties of Pulsed Laser-Deposited CuIn<sub>0.7</sub>Ga<sub>0.3</sub>Se<sub>2</sub> Thin Films via Processing Control, Solar Energy 84 (2010) 2213.

H. R. Choi, B. C. Mohanty, J. S. Kim and Y. S. Cho, AlN passivation layer-mediated improvement in tensile failure of flexible ZnO:Al thin films, ACS Appl. Mater. Interface. 2 (2010) 2471.

D. H. Yeon, B. C. Mohanty, Y. H. Jo and Y. S. Cho, Preparation and Electrical Properties of CuInSe<sub>2</sub> Thin Films by Pulsed Laser Deposition Using Excess Se Targets, *J. Mater. Res.* 25 (2010) 1936.

Y. H. Jo, B. C. Mohanty, and Y. S. Cho, Crystallization and surface segregation in CuIn<sub>0.7</sub>Ga<sub>0.3</sub>Se<sub>2</sub> thin films on Cu foils grown by pulsed laser deposition, *Appl. Surf. Sci.* 256 (2010) 6819.

S. H. N. Doo, Y. H. Jo, J. S. Lee, B. C. Mohanty, K. C. Sekhar, D. K. Min, K. W. Chung and Y. S. Cho, Enhanced Quality Factor of Zinc Lanthanum Borates-Based Dielectrics via the Control of ZnO/B<sub>2</sub>O<sub>3</sub> Ratio, *J. Am. Ceramic Soc.* 93 (2010) 334.

M. R. Ananthan, B. C. Mohanty and S. Kasiviswanathan, Micro-Raman spectroscopy studies of bulk and thin films of CuInTe<sub>2</sub>, *Semiconductor Sci. Technol.* 24 (2009) 075019.

Y. H. Jo, B. C. Mohanty and Y. S. Cho, Structural and Electrical Characteristics of ZnO Thin Films on Polycrystalline AlN Substrates, *J. Am. Ceram. Soc.* 92 (2009) 665-670.

W. B. Lim, D.W. Shin, B. C. Mohanty, Y. J. Park, and Y. S. Cho, Chemical durability of anorthite-based low temperature co-fired ceramics, *J. Ceramic Soc. Jpn.* 117 (2009) 1138.

B. C. Mohanty, P. Malar, T. Osipowicz, B. S. Murty, S. Varma and S. Kasiviswanathan, Characterization of silver selenide thin films grown on Cr-covered Si substrates, *Surf. Interface Anal.*, 41 (2009) 170.

B. C. Mohanty, A. K. Tyagi, A. K. Balamurugan, S. Varma and S. Kasiviswanathan, SIMS study of effect of Cr adhesion layer on the thermal stability of silver selenide thin films on Si, *Nucl. Instrum, Meth. B.* 266 (2008) 1480.

Y. H. Jo, D. H. Yeon, B. C. Mohanty, and Y. S. Cho, Gadolinium Zinc Borate Glass-Based Low Temperature Co-fired Ceramics, *Metals Mater. Int.*, 14 (2008) 493.

B. C. Mohanty and S. Kasiviswanathan, Thermal stability of silver selenide thin films on silicon formed from the solid state reaction of Ag and Se films, *Thin Solid Films*, 515 (2006) 2059.

B. C. Mohanty, B.S. Murty, V. Vijayan and S. Kasiviswanathan, Atomic force microscopy study of thermal stability of silver selenide thin films grown on silicon, *Appl. Surf. Sci.*, 252 (2006) 7975.

B. C. Mohanty and S. Kasiviswanathan, Transmission Electron Microscopy and Rutherford Backscattering Spectrometry Study of Ag<sub>2</sub>Te Films Formed from Ag-Te Thin Film Couples, *Cryst. Res. Technol.*, 41 (2006) 59.

P. Malar, B. C. Mohanty and S. Kasiviswanathan, Characterization of interface between CuInSe<sub>2</sub> and In<sub>2</sub>O<sub>3</sub>, *J. Phys. Chem. Solids*, 66 (2005) 1928.

P. Malar, B. C. Mohanty and S. Kasiviswanathan, Growth and Rutherford backscattering spectrometry study of direct current sputtered indium oxide films, *Thin Solid Films*, 488 (2005) 26.

P. Malar, B. C. Mohanty, A.K. Balamurugan, S. Rajagopalan, A.K. Tyagi and S. Kasiviswanathan, Growth and SIMS study of d.c.-sputtered indium oxide films on silicon, *Surf. Interface Anal.*, 37 (2005) 281.

B. C. Mohanty and S. Kasiviswanathan, Two-prism setup for surface plasmon resonance studies, *Rev. Sci. Instrum.*, 76 (2005) 033103.

PAPERS PRESENTED IN CONFERENCES

Indu Gupta and B. C. Mohanty,\* Scaling of surface roughness in CdS thin films deposited by ammonia free chemical bath deposition, International Conference on Advanced Electromaterials 2015, Nov. 17-22, 2015, Jeju Korea.

Indu Gupta and B. C. Mohanty\*, Bath Temperature dependent properties of ammonia-free chemical bath deposited CdS Thin Films, Oral presentation at International Conference on Recent Advances In Nano Science And Technology - 2015, July 8-10, 2015, Chennai.

B. C. Mohanty\*, D. H. Yeon, I. J. Choi and Y. S. Cho, Influence of RF power on Urbach energy tails and refractive index of room temperature deposited Al-doped ZnO thin films, Oral presentation at Meeting of Korean Ceramic Society, Oct. 24-25, 2011, Gwangju, Korea.

B. C. Mohanty\*, B. K. Kim, D. H. Yeon, I. J. Choi, Y. H. Jo, S. M. Lee and Y. S. Cho, RF Power Dependent Structural, Electrical and Optical Properties of ZnO:Al Thin Films Grown at Room Temperature, Oral presentation at International meeting on Information Display (IMID) 2011, Oct. 11-15, 2011, INTEX, Korea.

B. C. Mohanty\*, H. R. Choi, Y. M. Choi and Y. S. Cho, Influence of thickness on tensile failure of ZnO:Al thin films on flexible polymer substrates, Oral presentation at International Conference on Electronic Materials & Nanotechnology for Green Environment (ENGE)-2010, Nov. 21-24, 2010, Jeju, Korea.

B. C. Mohanty\*, D. H. Yeon, B. K. Kim and Y. S. Cho, RF power dependent structure, morphology and electrical properties of room temperature deposited ZnO:Al thin films, Oral presentation at International Union of Materials Research Societies (IUMRS-ICEM) 2010, Aug. 22-27, 2010, KINTEX, Korea.

B. C. Mohanty\*, Y. H. Jo, D. H. Yeon, I. J. Choi and Y. S. Cho, Substrate temperature dependent preferred orientation of pulsed laser deposited ZnO:Al thin films, Oral



presentation at International conference on electroceramics (ICE), 2009, Dec. 13-17, 2009, New Delhi, India.

B. C. Mohanty\*, Y. H. Jo, D. H. Yeon, I. J. Choi and Y. S. Cho, Effect of RF power and spatial variation of properties of ZnO:Al thin films grown by 30i,- incident RF magnetron sputtering for solar cell applications, Oral presentation at 19th International Photovoltaic Science & Engineering Conference & Exhibition (PVSEC), Nov. 9-13, 2009, Jeju, Korea.

B. C. Mohanty\*, Y. H. Jo, D. H. Yeon, I. J. Choi and Y. S. Cho, Lateral distribution of structural, electrical and optical properties of RF-magnetron sputter-deposited ZnO:Al thin films, Oral presentation at International Workshop on Piezoelectric Materials and Applications in Actuators (IWPMMA 2009)/International Symposium on Electroceramics (ISE 2009), Nov. 9-13, 2009, Jeju, Korea.

Y. H. Jo, D. H. Yeon, B. C. Mohanty, I. J. Choi and Y. S. Cho, Cu(In,Ga)Se<sub>2</sub> thin films on Cu foils by pulsed laser deposition, Presented at Fall 2008 meeting of the Korean Ceramic Society (Awarded Best Poster award).

B. C. Mohanty\*, A. K. Tyagi, A. K. Balamurugan, S. Varma and S. Kasiviswanathan, SIMS study of effect of Cr adhesion layer on the thermal stability of silver selenide thin films on Si, Presented at 18th international conference on Ion Beam Analysis (IBA), Sept. 23-28, 2007, Hyderabad, India.

B. C. Mohanty\*, V. Damodara Das and S. Kasiviswanathan, Characterization of Silver-Tellurium stacks, Paper presented at "National conference on Emerging Areas in Applied Physics", 21st-23rd Feb, 2004, ISM Dhanbad, India.

B. C. Mohanty\* and S. Kasiviswanathan, Surface Plasmon Resonance Studies in Silver-Tellurium Stacks, Proceedings of DAE-SSPS 2004, 26th -30th Dec, 2004, Amritsar, India, page: 504.

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## Awards and Honours

Indian national scholarship for performance in High school examination.

Research scholarship to pursue higher studies and research after qualifying “Graduate Aptitude Test in Engineering (GATE-2001)” conducted by Indian Institute of Technology held in February 2001.

“Senior Research Fellowship” by ‘Council of Scientific and Industrial Research’, Govt. of India.

Best poster award, Korean Ceramic Soc. “Cu(In,Ga)Se<sub>2</sub> thin films on Cu foils by pulsed laser deposition, Fall 2008 meeting.

Postdoctoral fellowship, Ministry of Education, Government of Korea (BK 21 scheme). Subsequently promoted to “Research Professor” for excellence in research and Lab mentoring."

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## PUBLICATIONS

Papers in SSCI/ SCI/Impact Factor Journals: 32

Papers in ABDC : 19

Papers in International Conference s (thos e held outside India): 11

Papers in Indian Conferences: 69

## Experience

[Thapar Institute of Engineering & Technology]

Lecturer - 1987 - 1995

Lecturer in se nior scale - 1995 - 1999

Lecturer in selection grade - 1999 - 2002

Assistant Professor - 2002 - 2007

Associate Professor - 2007 - 2010 (School of Behavioral Sciences and Business Sciences and adjunct Associate Professor LMT School of Management )

Professor – 2010 onwards

Professor and Head (School of Behavioral Sciences and Business Studies ) – August 2011 - 2014

Professor in Charge Alumni Relations – 2014 till date

SCI

Walia, Nidhi and Kiran, R. (2011), Perceptual gap and anatomy of investment risk decision, African journal of Business Management 5(17), 7296 - 7305.[SSCI IF 1.105]

Walia, Nidhi and Kiran, R. (2012), Understanding the risk anatomy of experienced mutual fund investors, Journal of Behavioral Finance , 13 (2), 119 - 125. SSCI IF 0.56[ABDC – A; 2013; 2016]

Deepika & Kiran, R. (2012), Trendy shopping replacing traditional format preferences, African journal of Business Management , Vol.6 (11), 4196 - 4207. [SSCI]

Goel, S., Kiran, R. and Garg, D. (2011), A framework for efficient enterprise resource planning (ERP) implementation in technical educational institutions, African Journal of Business Management , 5 (34), 13197 - 13204. [SSCI]

Aggarwal, Parul, D. Kiran, Ravi, Anil K. Verma (2011) Knowledge sharing for enhancing learning environment in institutions of higher technical education, African Journal of Business Management , 6(16), 5533 - 5542. [SSCI]

Jain, Vijay & Kiran, R. (2012), Technology Management Strategies and Small and Medium Enterprises of Punjab Manufacturing, Journal of Intellectual Property Rights , 17, (1), 64 - 72 [SSCI].

Kiran, R. & Jain, Vijay (2012), Enhancing innovation and intellectual property culture in manufacturing small and medium enterprises, African journal of Business Management , 6(4), 1234 - 1243. [SSCI]

Sharma Anupam & Kiran, R. (2012) Corporate social responsibility in changing markets: New mechanisms and newer initiatives, African journal of Business Management , 6(16), 5479 - 5490. [SSCI]

Sharma Anupam & Kiran, R. (2012), Corporate social responsibility: A passion of large organizations or a commitment to the society, African Journal of Business Management , 6(22), 6696 - 6708. [SSCI]

Aggarwal, Parul, D. Kiran, Ravi, Anil K. Verma (2012), Empowering educators with knowledge management for the development of state-of-the-art of the curriculum. African Journal of Business Management , 6 (43), 10750 - 10765 [SSCI].

Aggarwal, Parul, D. Kiran, Ravi, Anil K. Verma (2012). Key Features of Research Portal for Stimulating Research in Institutions of Higher Technical Education, Eurasian Journal of Educational Research , 48 (2), 155 - 174 [SSCI].

Aggarwal, Parul, D. Kiran, Ravi, Anil K. Verma (2012). Knowledge sharing for stimulating learning environment in institutions of higher technical education. Technics Technology Education Management , 7 (4), 1681 - 1691 [SCI].

Sharma Anupam and Kiran, R. (2012). Corporate Social Responsibilities - Automobile, FMCG and IT Sectors in North West India, The Indian Journal of Social Work, 73 (4), 519 - 536. [SSCI]

Goel, Shivani, Kiran, R. and Garg, D. (2012). Predictors for User Satisfaction in Enterprise Resource Planning Implementation in Technical Educational Institutions. INFORMATION An International Interdisciplinary Journal . 16 (5), 2885 - 2894 [SCI].

Bakshi, Apurva and Kiran Ravi (2014) Copyright Violations, "inspirations" and adaptation of Indian Films: A Case for Cinema as Visual Anthropology, Anthropologist , 18 (1), 211 - 216. [SSCI]IF.19

Bakshi, Apurva and Kiran, Ravi (2014). Copyright violations in Indian cinema: why Barfi! denotes all that's wrong with Bollywood, Queen Mary Journal of Intellectual Property , 4 (4): 310 – 321, [SSCI]IF - 0 .244.

Kalsi Namrita & Kiran Ravi (2015). Stakeholders' preferences for land assembly: Development with rural urban synergy, Indian Journal of Agricultural Sciences, 85 (4): 539 – 48. [SCI] IF - 0 .141.

Singh, Sandeep Kiran Ravi & Goyal, D. (2015). Identification of key factors for enhancing competitiveness: an exploratory study of the selected agri - biotech firms of Punjab in India, Agricultural Economics ( Zemědělská ekonomika ) 2015 Vol. 61 No. 4 pp. 179 - 188 [SCI]. IF - 0.442

Kalsi, Nirmaljeet Singh & Ravi Kiran, (2015). A strategic framework for good governance through e - governance optimization: A case study of Punjab in India, Program: electronic library and information systems , 49 (2); 170 – 204 [SSCI] IF - 1.0]

Mehta, Prashant and Kiran, Ravi (2014) Indian Physician Job Satisfaction Scale: Development and Validation Studies on Ethno - Medicine, 8(3): 293 - 304 [SCI].

Kalsi, Namrita & Kiran, Ravi (2015) Studies on land utilization for rural and urban stakeholders A case study Indian Journal of Agricultural Sciences, 85 (12): 1633 - 1637 . [SCI] IF - 0 .28]

Singh, Sandeep; Kiran Ravi & Goyal, Dinesh (2015) Market share, R & D and determinants of productivity, firm based analysis of agri - biotech sector of Punjab in India, Custos e Agronegocio online, 11 (3):166 - 182.

Anurag, Kiran Ravi, Harish Singla & A.N.Sah (2016) , Stress management through regulation of blood pressure among college students, WORK: A Journal of Prevention, Assessment & Rehabilitation, An interdisciplinary, international journal, 54 (3) : 745 - 752 [SSCI] IF - 0.715]

Mehta, Prashant & Kiran Ravi (2015) An Empirical Analysis of job Content and Contextual Factors: A case study of Indian Physicians, Studies on Ethno - Medicine, 9(3): 253 - 365 [SSCI].

Tandon, U, Kiran, R., & Sah, A.N. (2016). Customer satisfaction using website functionality, perceived usability and perceived usefulness towards online shopping: an emerging economy case, Information Development , 32(5): 1657 - 1673, first published on December 8, 2015 [SSCI Impact factor 1.691].

Tandon, U, Kiran, R., & Sah, A.N. (2016). Understanding online shopping adoption in India: unified theory of acceptance and use of technology 2 (UTAUT2) with perceived risk application, Service Science , 8(4): 420 - 437. SSCI Impact factor 1.158



Tandon, U., Kiran, R., & Sah, A.N. (2016) Customer Satisfaction as a mediator between website service quality and repurchase intention: An emerging economy case. *Service Science*, 9 (2), 106 - 120. [SCI Impact factor 1.158]

Sheena Chhabra, Ravi Kiran, A.N. Sah, (2017). Information asymmetry leads to underpricing: validation through SEM for Indian IPOs, *Program: electronic library and information systems* , 51(2), 116 - 131, [SSCI Impact Factor 0.556].

Tandon, U, Kiran, R., & Sah, A.N. (2015). Analyzing Deterrents to Online Retailing: A Study of Users and Non Users in India. *Global Business and Management Research: An International Journal*, 7(4): 21 - 41.

Tandon, U., Kiran, R., & Sah, A.N. (2017) The influence of website functionality, drivers and perceived risk on customer satisfaction in online shopping: An emerging economy case. *Information Systems and e - Business Management* . DOI: 10.1007/s10257 - 017 - 0341 - 3 Impact factor= 1.723.

Niti Chatterji & Ravi Kiran (2017) Role of human and relational capital of universities as underpinnings of a knowledge economy: A structural modelling perspective from north Indian universities, *International Journal of Educational Development* , <https://doi.org/10.1016/j.ijedudev.2017.06.004> [SSCI] Impact factor= 1.020.

Ravi Kiran (2017) IPR scenario and factors for promoting IPR culture: a post - TRIPS period analysis of selected pharmaceutical firms in North India, *Economic research (Ekonomiska Istraživanja)* 30(1), 873 - 891. [SSCI] Impact factor=0.742.

Non - SCI

Singh, M.P. & Ravi Kiran (1997) Industrial Policy, Technology and Productivity in Indian Industry. The Indian Economic Journal , 44 (2), 117 - 129.

Ravi Kiran (2000). Growth and Productivity in Indian Manufacturing: A Disaggregative Study, Indian Management Studies Journal , 4 (1), 57 - 68.

Ravi Kiran (2004), TRIPS: Changing Patent Scenario in India, Business Perspectives , 3 (1), 33 - 4.

Ravi Kiran (2005), Engineering Management, Electriza , 6(1), 40.

Ravi Kiran (2005), Global Competitiveness and Productivity in Indian Manufacturing Industries (1973 - 74 - 1997 - 98), Oorja , 3(2), 97 - 106.

Ravi Kiran and Anupam Sharma (2006), Online Advertisement: Changing Scenario in India, Amity Management Analyst , 1, (1), 83 - 87.

Ravi Kiran, & Kaur, Manpreet (2006), Human Development and Economic growth: A case Study of India Indian Economic Journal , Volume, 465.

Mittal, K.C, Ravi Kiran and Anupam Sharma (2006), Netizens: India's Status in the Global Scenario, GJU Journal of Business , 2, (2), 85 - 94.

Ravi Kiran, & Kaur, Manpreet(2007), New Policy Regime & Productivity Growth of manufacturing sector in Punjab, Oorja , 5(2), 25 - 35.

Sethi, A.P.S., Khamba, J.S. and Kiran, R. (2008), Linkages of Technology Adoption and Adaptation with Technological Capability, Flexibility and Success of AMT Implementation in Indian Manufacturing Industry: An Empirical Study. Global Journal of Flexible Systems Management , 8(3), 25 - 35.

Singh, In derjeet, Ravi Kiran and Kaur, Manpreet (2008), New Policy Regime and Productivity Growth of Manufacturing Sector in India, *Productivity*, 48(3), 288 - 296.

Walia, Nidhi and Kiran, Ravi (2009), An Exploratory Study of Mutual Funds Services in Punjab, *Business Perspective*, Volume 11, (1), 1 - 12.

Khushdeep Dharni , Kiran, Ravi & Dr R.K. Sharma, (2009) Use of Computer - Based Applications: A Study at Different Levels of Management *The Journal Management Research*, 8 (7), 45 - 55.

Walia, Nidhi and Kiran, Ravi (2009), Portfolio Diversification and Financial Performance of Mutual funds in India, *Interdisciplinary Journal of Contemporary Research in Business* , 1(5), 68 - 86 .

Kiran, Ravi and Misra, Sunita, Patenting in Pharmaceutical industry of India: Changing Perspectives in the post - TRIPs period, *Oorja* , 6 (1), 38 - 47.

Kiran, Ravi & Misra, Sunita, (2010) New IPR Regime and Challenges of the Small Pharma Industry, *Interdisciplinary Journal of Contemporary Research in Business* , 1(10), 42 - 60.

Kiran, Ravi, Anil K. Verma and Parul Dharmani, (2010), Enhancing the learning of students of higher education through innovative communication modes of knowledge: Educators Support Model, *Global Journal of Management and Business Research*, 10(2), 164 - 170.

Walia, Nidhi and Kiran, Ravi (2010), Efficient Market Hypothesis, Price volatility and performance of Mutual Funds Efficient Market Hypothesis, Price volatility and performance of Mutual Funds, *Global Journal of Management and Business Research* , 10(2), 42 - 50.

Walia, Nidhi & Kiran, Ravi ( 2010), Market volatility, Diversification and Proactive Risk Management for Mutual funds, Global Business and Management Research: An International journal , 2 (2), 198 - 207.

Kiran, Ravi and Deepika (2010), E - Business in India: changing scenario and future p rospects OORJA, Journal of Management & IT , 8 (1), 32 - 37.

Manpreet Kaur and Kiran, Ravi (2010), New Policy Regime and Productivity of Manufacturing Sector: A Comparison of India and Punjab, International Journal of Economics , 4(2), 267 - 287.

Kiran, Ravi an d Jyoti Bansal (2010), Productivity and Its Determinants For The Organised Manufacturing Sector of Punjab, Apeejay Journal of Management and Technology 5, (2), 105 - 115.

Kiran, Ravi & Misra, Sunita (2011), Research and Development, Exports and Patenting in the Indian Pharmaceutical Industry: a Post TRIPS Analysis, Eurasian of Business and Economics, 4 (7), 53 - 67.

Kiran, Ravi & Sharma, Anupam (2011), Corporate Social Responsibility and Management Education: Changing Perception and Perspectives, Global Journ al of Management and Business Research , 11(6), 56 - 67.

Kiran, Ravi & Sharma, Anupam (2011), Corporate Social Responsibility: A Corporate Vision, International journal of Contemporary Business Studies , 2(3), 58 - 68.

Kiran, Ravi & Sharma, Anupam (2011), Corpo rate Social Responsibility: A Corporate Strategy for New Business Opportunities, Journal of International Business Ethic s, 4(1), 10 - 17.

Kiran, Ravi & Swaraj Raj (2011), Buddhist way of life and environmental concerns, Journal of Language and Culture , 2, (5) , 67 - 71.

Kiran, Ravi & Deepika (2011), Consumer Preferences towards Emerging Retail formats in India: An Exploratory Study, *Res Manageria* , 2(2), 27 - 39.

Kiran, Ravi & Deepika (2011), A Strategic Framework for Consumer Preferences towards Emerging Retail F ormats, *Journal of Emerging Knowledge on Emerging Markets* , 3(1), 436 - 453.

Deepika & Kiran, R. (2012), Emerging Retail Formats and its attributes: An insight to convenient shopping, *Global Journal of Management and Business Research* , 12 (2), 63 - 71.

Deepik a & Kiran, R. (2012), Organized retail in India - Drivers facilitator and SWOT analysis, *Asian Journal of Management Research*, 2 (1), 264 - 273.

Kiran, R. & Sharma, Anupam (2011) Corporate Social Responsibility and Management Education: Changing Perception a nd Perspectives, *Global Journal of Management & Business Research* , 11(6), 56 - 67.

Kiran , R. & Rohini Inder Chopra, (2012) Price Performance of IPOS in Indian Stock Market, *Euro Economica*, 30, (4), 73 - 97.

Kiran R. & Prabhjot Kaur, (2011) Impact of Recess ion on Various Sectors of Indian Economy, *Business & Social Science Review* , 1 (1), 5 - 20.

Aggarwal, Parul, D. Kiran, Ravi, Anil K. Verma (2011), Enhancing Curriculum and Research in Higher Education with a Strategic Use of Knowledge Management, *Global Journal of Management and Business Research* , 11 (12), 68 - 83.

Goyal, D. P., Kiran R. & Rahul Hakku, (2012), Role of Knowledge Sharing and Knowledge Management Culture on Corporate Performance: A Theoretical Perspective, *IIMS Journal of Management Sciences* , 3(1) , 34 - 46.

Jain Vijay & Kiran R (2011), A Post TRIPS Analysis of studies on Technology Management Strategies by Indian Manufacturing for Global Competitiveness, Business & Social Science Review , 1(3), 32 - 47.

Rahul Hakku, Kiran R & Goyal, D. P. (2012), Success of Marketing Information System (MKIS) Model: Analysis of Manufacturing Small and Medium Enterprises (SMES), Middle - East Journal of Scientific Research 11 (6), 777 - 786.

Deepika & Kiran, R. (2012), Emerging Trends of Organized Retailing in India: A Shared Vision of Consumers and Retailers Perspective, Middle - East Journal of Scientific Research, 11 (4), 481 - 490.

Goel, S., Kiran, R. and Garg, D. (2012). Vulnerability Management for an Enterprise Resource Planning System, International Journal of Computer Applications, 53 (4),19 - 22.

Sharma Anupam & Kiran, R. (2012). Corporate Social Responsibility Initiatives of Major Companies of India with Focus on Health, Education and Environment. African Journal of Basic & Applied Sciences , 4 (3), 95 - 105

Kiran, Ravi and Ridhima Sharma (2012) Customer Relationship strategies of Public and Private sector banks: An Insight, International journal of Business Management & Research, 2(2), 67 - 72.

Rahul Hakku, Kiran R. & Goyal, D. P. (2013), Role of marketing information system (MKIS) for the organizational culture and its effectiveness, African Journal of Business Management . 7(3), 172 - 177.

Kiran, Ravi, Aggarwal, Parul, D. ,Verma, Anil K. (2013). Knowledge Management: Role of Thought leaders and Junior Academia in Enhancing Research and Curriculum in Institutions of Higher Technical Education, Sage open , April - June, 1 - 13. doi: 10.1177/2158244013484915.

Sharma Anupam and Kiran, R. (2013). Corporate Social Responsibility: Driving Forces and Challenges, *International Journal of Business Research and Development*, 2 (1), 18 - 27.

Sharma, Anurag, Kiran, Ravi and Singh Mandeep (2013) Meditative Techniques for Human Resource Development: A Theoretical Perspective, *PCMA Journal of Business* , 4 (1 & 2), 177 - 192.

Kiran, Ravi and Ridhima Sharma (2013) Strategies for Stimulating Customer Relationship: A Study of Some Public and Private Sector Banks, *Journal of Distribution Science* 11(3), 31 - 37.

Kiran, Ravi (2014) Is the Slowdown of Indian Economy Really a Phase of Recession? *Anveshanam - The Journal of Management* 2(1), 1 - 11.

Jain, Vijay and Kiran, Ravi (2014) Stronger IPR Regime: A Strategic Need in Punjab, *Anveshanam - The Journal of Management* , 2 (1), 17 - 26.

Argheesh Bhanot & Kiran, Ravi (2013) Patent or Perish: Is the Indian Pharmaceutical Sector Geared up for the New Stronger Patenting Regime? *Australian Journal of Basic and Applied Sciences* , 7(9): 245 - 253.

Rahul Hakhu, Kiran R. & Goyal, D. P. (2013) Success of Marketing Information System Model for SMEs of Punjab: Validation of Survey Based Results and Case Study Analysis, 103, 870 - 879.

Nandkeolyar, Dilip; Pandey, Neeraj; Kiran, Ravi and Kumar, Shailendra (2013) "Madhu Automobiles: Managing Marketing Strategy for Success," *The Case Centre*, UK, R. No.513 - 114 - 1, pp. 1 - 10.

Nandkeolyar, Dilip; Pandey, Neeraj; Kiran, Ravi and Kumar, Shailendra (2013). Managing Business Planning and Growth: A Case of Small Scale Service Business Enterprise (SSSBE) in India, R. No.513 - 085 - 1, 1 - 15.

Kaur, Navneet and Kiran, Ravi, (2015). E - Banking Service Quality and Customer Loyalty: Changing Dynamics of Public, Private and Foreign Bank Consumers in India, Global Business and Management Research: An International Journal, 7(1),74 - 92.

Kaur, Navneet and Kiran, Ravi (2014). E - Delivery Channels and Banking Performance in India: A Pragmatic Approach, Global Journal of Management and Business Research: Finance , 14(4),112 - 126.

Kaur, Navneet and Kiran, Ravi (2014). Customer Satisfaction and Customer Loyalty in E - Banking in India: The Intricacies of Relationship, IOSR Journal in Business and Management (IOSR - JBM) , 16 (9), 6 - 13.

Kalsi, Namrita and Kiran, Ravi (2014), Greater Mohali Region: Geopolitical Impact on Urban Anthropology to Emerge as a Significant Tri - city Entity, J Hum Ecol , 47(2): 125 - 137.

Bakshi, Apurva and Kiran Ravi (2014) Coping with Copying Copyright Violations in Literary Works and Films, Language in India 14 (8), 1 - 9.

Kiran, Ravi. (2015) TRIPS and Its Implications on Indian Pharmaceutical Industry: A firm wise analysis of north - west India. Journal of Advanced Management Sciences. 4(2):86 - 91.

Hakhu,R., Kiran, R., Goyal, D.P., (2014). Marketing Information System (MkIS): Outline for Small and Medium Enterprises (SMEs) in Punjab. International Journals of Marketing and Technology (IJMT) , 4 (9): 89 - 99.



Singh, Sandeep; Kiran Ravi & Goyal, D.(2015). Examining the Relation of Productivity and Competitive Factors with Market Sales and R&D: A Study of Selected Agri - Biotech Firms of Punjab, Global Journal of Management & Business Research, 15 (2):30 - 44.

Kiran, Ravi & Kaur, Samarpreet (2015) Pragmatics of Micro - Financing in India: A State - Wise Analysis, Anveshanam The Journal of Management, 4(1):1 - 21.

Hakhu,R., Kiran, R., Goyal, D.P., (2015). Hindrance Factors for Marketing Information System (MkIS): A Study of Small and Medium Enterprises (SMEs) in Punjab, Indian Journal of Applied Research 5(4):391 - 393.

Navneet Kaur and Ravi Kiran (2015). E Banking Service Quality and Customer Loyalty: Changing Dynamics of Public, Private and Foreign Bank Consumers in India, Global Business and Management Research: An International Journal, 7(1): 74 - 93.

Urvashi Tandon, Ravi Kiran & A N Sah (2015). Analyzing Deterrents to Online Retailing: A Study of Users and Non Users in India , Global Business and Management Research: An International Journal, 7(1): 21 - 41.

Bose, S.C. & Kiran, R. (2014). Identification of success factors for business incubation in agribusiness for achieving higher productivity . Productivity, 55 (1): 64 - 69 .

Chhabra, Sheena & Kiran, R. (2015). An empirical analysis of total factor productivity in food and beverage sector , Productivity, 56 (2): 121 - 126.

Seth Manisha, Kiran, Ravi & Goyal, D.P. (2015) Development of a model for successful implementation of supply chain management information system in Indian automotive industry, Vision : The Journal of Business Perspective, 19(3):248 - 262.

Seth Manisha, Kiran, Ravi & Goyal, D.P. (2015). Identification of critical success factors for the implementation of supply chain management information system through SEM Approach, Global Journal of Management and Business Research,15 (6):8 - 24.

Sofat, Kanika, Kiran Ravi & Kaushik, Sanjay (2015). Management of Organizational Change and its Impact on Commitment: A Study of Select Indian IT Companies, *Global Business and Management Research: An International Journal* , 7 (3):69 - 86.

Bhanot, Monika, Joshi, Anurag, Kiran Ravi & Singla , H. K. (2015). Effect Of Om Chanting On Memory Power Of Polytechnic Students: An Empirical Study, *Journal of Engineering & Technology Education*, 9 (2): 26 - 30.

Seth Manisha, Kiran, Ravi & Goyal, D.P. (2015). Implementation of Supply Chain Management Information System and Organizational Success Factors An Empirical Analysis of the Indian Automotive Industry, *Indraprastha Journal of Management* , 3 (1): 21 - 33.

Harish single & Ravi Kran (2016) Effect of Good Governance on Firm Performance: An Empirical Investigation of Selected Indian Firms, *Public Affairs and Governance*,4(1), 10 - 23.

Sofat, Kanika, Kiran Ravi & Kaushik, Sanjay 9 (2015). Organizational Change and Organizational Commitment: An Empirical Study of it Organizations in India, *Global Journal of Management and Business Research* , 15 (6):38 - 49.

ABDC Journals

Oberoi J., Khamba , J.S. and Kiran, R.(2007)The relative impact of technology and sourcing practices in managing manufacturing flexibilities – Evidence from large and medium scale enterprises in India, *Human Systems Management* , 26 (2) 199 – 215 [ABDC - C 2016].

Kaur, Manpreet and Ravi Kiran (2008), Indian Manufacturing Sector: Growth and Productivity under The New Policy Regime, International Review of Business Research Papers , 4(2), 136 - 150.[ABDC - B 2013]

Kaur, Manpreet and Ravi Kiran and Singh, Inderjeet (2008), New policy regime and productivity of Indian manufacturing: a disaggregative analysis, International Journal of Business and Emerging Markets , 1(2), 151 - 170.[ABDC - C 2016]

Sethi, A.P.S., Khamba, J.S., Sushil and Kiran, R. (2010) Role of Technology Adoption and Adaptation process in building Technological Capabilities of Indian Manufacturing Industry: An Empirical Study, International Journal of Services and Operations Management . 7(2) 251 - 274 [ABDC - B 2013].

Kiran, Ravi, Sharma Anupam and Mittal, K.C. (2009) Attitudes, Preferences and Profile of Online Buyers in India, South Asian Journal of Management , 15 (3), 55 - 73. [ABDC - C; 2016]

Kalsi, N.S., Kiran, Ravi and Vaidya, S.C. (2009). Enhancing e - Governance Initiatives for Better Governance in India International Review of Business Research Papers , 5 (1), 212 - 229. [ABDC - C; 2013]

Walia, Nidhi and Kiran, Ravi (2009), An Analysis of Investors Risk Perception towards Mutual Funds Services, International Journal of Business and Management, 4 (5), 106 - 120. [ABDC - C;2013]

Kiran, Ravi and Misra, Sunita, (2009), Changing Pragmatics of Indian Pharmaceutical Industry in Pre & Post TRIPS period, International Journal of Business & Management , 4(9), 206 - 220. [ABDC - C]

Khushdeep Dharni, R.K. Sharma and Kiran, Ravi (2009), Information systems in the Indian manufacturing sector: extent of use and support for managerial roles, International Journal of Business Information System , 4(6), 673 - 689. [ABDC - C]

Kiran, Ravi and Misra, Sunita, (2009), Performance of the Indian Pharmaceutical Industry in Post - TRIPS Period: A Firm Level Analysis, International Review of Business Research Papers , 5(6), 148 - 160. [ABDC - C; 2013]

Kiran, Ravi and Jain, Vijay (2009), Technology Management Strategies: A Post TRIPS Study of Punjab Manufacturing, International Review of Business Research Papers , 6(1), 382 - 391. [ABDC - C; 2013]

Walia, Nidhi and Kiran, R. (2011), A Comparative Analysis of Performance, Investment Styles, Risk and Return associated with Indian Mutual funds, The Journal of Index Investing, 2(2), 86 - 95 [ABDC – C 2016].

Mishra, Sunita & Kiran, R. (2012). Perception of the Indian Pharmaceutical Firms towards stronger Product Patent Regime: A Case Study of North West Region, Int. J. of Intellectual Property Management 5(3/4), 266 - 282 [ABDC – C 2016].

Kalsi, N. S. and Kiran, Ravi (2013) E - governance success factors: An analysis of e - governance initiatives of ten major states of India, International journal of Public Sector Management, 26 (4), 320 - 336.[ABDC - B]

Nandkeolya, D., Pandey N., Kiran Ravi, & Kumar, Shaile ndra (2017) Why do Indian SMEs fail and succeed?: Insights from auto - component industry, International Journal of Indian Culture and Business Management, 15(1),88 - 99 . [ABDC – C 2016].

Seth Manisha, Kiran, Ravi & Goyal, D.P. (2017). Diminution of impediments in implementation of supply chain management information system for enhancing its effectiveness in Indian automobile industry. Journal of Global Information Management, 25(3),1 - 20.[ABDC – A 2016].

Tandon, U. Ravi Kiran & A N Sah (2016). Analysing the complexities of website functionality, perceived ease of use and perceived usefulness on customer satisfaction of online shoppers in India, International Journal Electronic Marketing and Retailing, 7(2):115 - 140. [ABDC - C].

Sharma, R. K. and Kiran, R. (2017). Testing weak form of market efficiency of Bombay Stock Exchange and National Stock Exchange , Int. J. Accounting and Finance, 7 (2), 2017 141 - 162 [ABDC - C , 2016].

Tandon, U., Kiran, R., & Sah, A.N. (2017) Understanding barriers and drivers to online shopping: an emerging economy case. International Journal of Electronic Business , 13(2/3): 216 - 243. [ABDC - C; 2016]

#### Conferences Publications

Ravi Kiran and Gupta , Keya Sen (1997) ""Growth and Productivity in Indian Manufacturing Industries"" , Indian Society of Labour Economics Conference , Trivandrum , Dec 1997,pp 64.

Ravi Kiran and Raj Swaraj (2001) ""Buddhistic Way of Life and Environmental Concerns"" International Conference on Buddhistic Philosophy and Contemporary Issues , Dept. of Humanities and Social Sciences University of Roorkee , Nov 2001, pp 54 - 55.

Ravi Kiran (2002). „Employment , Wages and Productivity in Indian Manufacturing Industries” at the National Seminar on „Structure of Employment and Its Interface with Technology: Present Status and Policy Imperatives for Productivity Enhancement” pp 1 - 13.

Ravi Kiran (2003) , “Global Competitiveness and Productivity in Indian Manufacturing Industries , National Seminar on Global Competitiveness and Productivity in Indian Business , March 21 - 22 , 2003 , Apeejay Institute of Management , Jalandhar.

Ravi Kiran (2003) , “ The Development of Engg and Technical Education in India”, Proceedings of National Seminar on Higher Technical Education : Issues of Access And Delivery, TIET, Patiala, pp 198 - 204.

Ravi Kiran (2004), “TRIPS: Changing pat ent Scenario in India “, Proceedings of The National Seminar on Intellectual Property Rights, March 26 - 27,2004, TIET, Patiala pp 87 - 95

Ravi Kiran (2004) ""An Analysis of Industrial Productivity in Punjab"", National Seminar on ""Emerging Issues and Problems i n North west Region of India Under the New Economic Policy Regime"", organized by Department of Correspondence courses, Punjabi University, Patiala on August 18 - 19.

Ravi Kiran (2005), „Intellectual Property Rights And Indiaâ€™”, National Seminar on Intellectual property rights, GNDU, Amritsar, March, 2005.

Ravi Kiran (2005),”Globalization and its Impact on Productivity in Indian Manufacturing Industries, Proceedings of International Conference on Productivity and Quality Research, IIT, Delhi, pp 123.

Ravi Kiran,& Kaur, Manpreet(2005),” Productivity Growth In Manufacturing Sector In India: A Review Of Earlier Studies From 1971 - 72 To 2003 - 04 , Proceedings of International Conference on Productivity and Quality Research, IIT, Delhi , pp10.

Ravi Kiran and Anupam Sharma (2006) “Knowledge Management : A Wider Perspective in Online Distance Education”, National trends in Technology Management, GLA institute of Tech and Management, Mathura pp 147 - 152.

Ravi Kiran,& Kaur, Manpreet (2006), Economic reforms and Pro ductivity growth in the manufacturing sector of India” National seminar on Economic Reforms under WTO regime : some Implications GNDU , Amritsar.

Ravi Kiran and Anupam Sharma (2006) "Higher Education in India - Changing Paradigms and Newer perspectives", RI MT, Mandi Gobindgarh.

Ravi Kiran,& Kaur, Manpreet(2006) " Relevance of Intellectual Property Rights in India," National Seminar on, " Copyrights: Some Emerging Issues in India" March 27,2006 pp 92 - 100.

Ravi Kiran (2006) „ Copyrights: Some E merging Issues" P roceedings of National Seminar on Copyrights: Some Emerging Issues in India March 27, 2006, pp 21 - 26

R avi Kiran and Anupam Sharma (2006) "E - governance: Roadmap for Success?," National Seminar "Innovative Applications of IT & Management for economic Growth of India" being held on April 21 - 22, 2006 , Apeejay Institute of Management , Jalandhar.

Ravi Kiran,& Kaur, Manpreet(2006), „Foreign Direct Investment in India in the Globalised Era: Perspectives and Pragmatics," Proceedings of Global Arena - Challenges of the Morrow. New Delhi. pp 40

Ravi Kiran and Anupam Sharma (2007) „Online Advertisement and Consumer Concerns: Indian Scenario, Proceedings of conference on Research in Mgmt & Tech pp.38 , March 23 - 24, 07 at Gian Jyoti institute of Mgmt & Tech , Mohali.

A nupam Sharma & Dr Ravi Kiran, 2007 " Punjab Netizens: Attitude and Consumer Concerns," Fifth AIMS International Conference on Management (AIMS - 5) IBS, Hyderabad, Dec 27 - 30, 2007 pp13

Manpreet Kaur & Ravi Kiran, 2007 „Indian Manufacturing Sector: Growth of Productivity under The New Policy Regime," in the 7th International Business Research Conference at University of Technology, Broadway, Sydney, Australia From Dec 3 - 6, 2007

Ravi Kiran, N.S. Kalsi and S.C.Vaidya 2008, „ICT And Good Governance: A Study Of In dian Environment, International Conference on E - governance, IIT New Delhi, Dec 18 - 20, 2008

Ravi Kiran and Khushdeep Dharni, 2008, „ Indian Agriculture and Supply Chain Management , National Conference on Supply Chain Management, IME, Ghaziabad, Oct 24, 2008 pp 78 - 84.

Ravi Kiran and Sunita Misra, 2009, „Patenting and the Indian Pharmaceutical Industry: New Paradigms and Newer Perspectivesâ€” National Conference on Innovation, Management and Entrepreneurship, Thapar Institute of Engineering & Technology, Patiala, Nov 6 - 7, pp 47.

Ravi Kiran , Anil K. Verma and Parul Dharmani, 2009, „Unleashing the hidden treasure knowledge in Higher Educational Institutes with Knowledge Management,â€” National Conference on Innovation, Management and Entrepreneurship, Thapar Institute of Engineering & Technology , Patiala, Nov 6 - 7, pp 29 .

Ravi Kiran and Vijay Jain, 2009, „Intellectual Property Rights and Management In India: Post TRIPS Perspectives and Policy Imperatives,â€” National Conference on Innovation, Management and Entrepreneurship, Thapar Institute of Engineering & Technology, Patiala, Nov 6 - 7, pp 45.

Ravi Kiran, 2009, „Technology Management Strategies for Global Competitiveness: A Post TRIPS study of Punjab Manufacturing,â€” National Conference on Innovation, Management and Entrepreneurship, Thapar Institute of Engineering & Technology, Patiala, Nov 6 - 7, pp 51.

Ravi Kiran and Khushdeep Dharni, 2009, „„Intellectual Property Management: Strategic Perspectives,â€” National Conference on Innovation, Management and Entrepreneurship, Thapar Institute of Engineering & Technology, Patiala, Nov 6 - 7, pp 46.



Ravi Kiran and NS Kalsi 2010 „Critical evaluation of e - Governance projects of 10 major states of India,â€™ International Conference on E - Governance, April 22 - 24, 2010, ICEG - 2010, IIM Bangalore

Ravi Kiran and Prabhjot, 2010 „Marketing Innovation in food Industry â€™April 2010, Apeejay Institute New Delhi.

Ravi Kiran and Anupam Sharma (2010) „Corporate Social Responsibility internal and external to the firm â€™ Punjabi University, Patiala

Ravi Kiran and Vijay Jain (2010) „Perception and Attitude towards IPRs of Small and Medium Manufacturing Enterprises of Punjabâ€™, Seventh International Conference on Punjabi University, Patiala

Ravi Kiran and Deepika (2010) „Emerging Retail Formats: A Study of Retailers Competitive Strategies for Convenience and Shopping Goods.â€™ Punjabi University, Patiala .

Ravi Kiran and Anupam Sharma (2010) „A Corporate Strategy for new business opportunities. International Conference on Business Ethics and Human values. University Business School Chandigarh.

Ravi Kiran and NS Kalsi 2010 „Critical evaluation of e - Governance projects of 10 major states of India,â€™ International Conference on E - Governance, April 22 - 24, 2010, ICEG - 2010, IIM Bangalore, pp 45 - 56.

Ravi Kiran and Prabhjot, 2010 „Marketing Innovation in food Products and Beverages in India,â€™ May 14, 2010, Apeejay School of Management, New Delhi, pp 20.

Ravi Kiran and Anupam Sharma (2010) „Corporate Social Responsibility internal and external to the firmâ€™ Seventh International Conference on Punjabi University, Patiala.

Ravi Kiran and Vijay Jain (2010) „Perception and Attitude towards IPRs of Small and Medium Manufacturing Enterprises of Punjab“ , Seventh International Conference on Punjabi University, Patiala

Ravi Kiran and Deepika (2010) „ Emerging Retail Formats: A Study of Retailers Competitive Strategies for Convenience and Shopping Goods.“ Punjabi University, Patiala.

Ravi Kiran and Anupam Sharma (2010) „A Corporate Strategy for new business oppurtunities. International Conference on Business Ethics and Human values. University Business School Chandigarh, pp 37.

Ravi Kiran and Sunita Misra, 2011, TRIPS and Pharmaceutical Firms - Opportunities and Challenges: A Case Study of North West Region of India, RBAC International Management Conference, 3 - 4 March 2011 Bangkok, pp 1 - 17.

Ravi Kiran and Vijay Jain (2011), Innovation and Intellectual Property Rights: A Post TRIPS Analysis of Manufacturing SMEs, RBAC International Management Conference, Bangkok, 3 - 4 March 2011, pp 18 - 28.

D. P. Goyal, Ravi Kiran & Rahul Hakku (2011), Globalization & Small Medium Entreprises (SMEs) in India: A Review, Proceedings of UGC Sponsored National Conference on Management of Micro, Small and Medium, Enterprises In India - Problems & Prospects, pp 22.

Goel, S., Kiran, R. and Garg, D. (2012). Technologies for Cost Efficient Enterprise Resource Planning: A Theoretical Perspective , Proceedings of International Conference on Advances in Computing Advances in Intelligent Systems and Computing Volume 174, 2013, pp 113 - 120

Goel, S., Kiran, R. and Garg, D. (2012). Learning through ERP in technical educational institutions. 15th International Conference on Interactive Collaborative Learning, Sept. (1 - 4)26 - 28, Austria.

Navneet Kaur and Ravi Kiran (2012) Impact of Technological Innovation in E - Trading on security market on India, Investment Management, pp 45 - 53.

Rahul Hakku, Kiran R. & Goyal, D. P. (2012) Impact of Hindrance Factors for Marketing Information System in SMEs of Punjab. Biennial Supply Chain Management Conference December 14 - 15, 2012, Indian Institute of Management Bangalore, India. 287 - 291.

Ravi Kiran & Sandeep Singh (2012) Managing the Transition: Time to Realise the Importance of Values & Ethics in Human Resource Management Challenges & Choices, International Seminar On Challenges In Human Resource Management published by Desh Bhagat Institute of Management & Computer Sciences Mandi Gobindgarh - 147301 (Punjab) India pp 365 - 370.

Ravi Kiran & Sandeep Singh (2012) Productivity & Competitiveness in Agri - biotech Sector of Punjab - SWOT Analysis, Proceedings of International conference on Management, Economics, Biosc. & Env. Engg. (ICMEBEE 2012) held in Singapore by Planetary Science Research Centre, Dec 14 - 15, pp150 - 154.

Ravi Kiran & Vijay Jain (2012) An Insight into productivity trends of SMEs of Punjab in India, Proceedings of International conference on Management, Economics, Biosc. & Env. Engg. (ICMEBEE 2012) held in Singapore, Dec 14 - 15, pp 107 - 111.

Hakhu, R., Kiran, R., Goyal, D.P., (2012). Critical Success Factors for Marketing Information System (MkIS) in Small and Medium Enterprises (SMEs) of Punjab, presented at International Engineering and Management Conference (EMC 2012), pp.11, 24 - 25 October, 2012, Bosnia & Herzegovina.

Hakhu, Rahul, Ravi Kiran and Goyal, D. P. (2013) Success of Marketing Information System Model for SMEs of Punjab: Validation of Survey Based Results and Case Study Analysis, Proceedings of 13th International Educational Technology Conference, IETC 2013 - May 13 - 15, 2013 Kuala Lumpur, MALAYSIA, pp 942 - 949.

Namrita Kalsi & Kiran , Ravi ( 2013) Land Pooling Preferred Mode of urban development, National Work shop on Land Pooling for Real Estate Development, Dec 18, 2013, NewDelhi .

Kanika & Kiran Ravi (2014) “Organizational change and its impact on organizational commitment in few selected Indian banks” in Conference book In International Conference on Changing Perspectives and Paradigms in Business and Behavioral Sciences, at Thapar Institute of Engineering & Technology, Patiala, March 28 - 29 ISBN 978 - 1 - 63041 - 449 - 8 (2014) pp161 - 167.

Seth, Manisha, Kiran, Ravi & Goyal D.P. ( 2013) “Waning the Challenges in Implementation of Supply Chain Management Information System – A Study of Indian Automobile Industry,” in “Managing in Recovering markets” edited Springer proceedings book by Chatterjee, S., Singh, N.P., Goyal, D.P., Gupta, N. (Eds.) Publisher : Springer; pp 473 - 484.

Seth, Manisha, Ki ran, Ravi & Goyal D.P. (2014) “Managing the implementation of supply chain management information system through critical success factors framework in Indian automotive industry,” Conference book In International Conference on Changing Perspectives and Par adigms in Business and Behavioral Sciences, at Thapar Institute of Engineering & Technology, Patiala, March 28 - 29, ISBN 978 - 1 - 63041 - 449 - 8 (2014) pp 41 - 52.

Joshi Anurag, Kiran Ravi & Sah, A.N. (2014) “Academic stress amongst engineering students: causes and coping strategies,” Conf erence book In International Conference on Changing Perspectives and Paradigms in Business and Behavioral Sciences, at Thapar Institute of Engineering & Technology, Patiala, March 28 - 29, ISBN 978 - 1 - 63041 - 449 - 8 (2014) pp 99 - 108.

Niti Chaterji & Kiran Ravi “Application of Balanced S corecard in assessing performance: An Indian perspective,“ International conference on education and management science ICEMS 2014 August 19 – 20, Beijing, China (ICEMS) 4102, ISBN : 879 - 1 - 06 5 59 - 1 79 - 3, (2014) : 33 - 38 .

Hakhu, Rahul, Kiran Ravi & Goyal, D.P. (2014) “Impact of marketing information system on manufacturing small and medium enterprises in Punjab,” in Conference book In International Conference on Changing Perspectives and Paradigms in Business and

Behavioral Sciences, at Thapar Institute of Engineering & Technology , Patiala, March 28 - 29 , ISBN 978 - 1 - 63041 - 449 - 8 (2014): 86 - 92.

Prashant Mehta and Kiran Ravi “ Perception of autonomy in the workplace among physicians ” conference proceedings of I Global Conference on Managing in Recovering Markets, 5th - 7th March at MDI, Gurgaon (2014) : 1 - 11.

Niti Chaterji & Kiran Ravi “Exploring the role of Intellectual Capital in the performance of Universities: A theoretical perspective, “conference proceedings of I Global Conference on Managing in Recovering Markets, 5th - 7th March at MDI, (2014) Gurgaon, pp 36 - 47 .

Deepika and Kiran Ravi (2014) Changing Prospects of Organized Retail in India: A shared vision of Consumers and Retailers in conference proceedings of Global Conference on Managing i n Recovering Markets, 5th - 7 th , MDI, Gurgaon, (2014): 56 - 68.

Urvashi Tandon, Kiran Ravi & Sah, A.N. Key drivers of customer satisfaction in online retailing - a theoretical perspective in Conference book In International Conference on Changing Perspectives and Paradigms in Business an d Behavioral Sciences, at Thapar Institute of Engineering & Technology, Patiala, March 28 - 29 , ISBN 978 - 1 - 63041 - 449 - 8 (2014) : 135 - 144.

Ravi Kiran( 2014). TRIPS and its Implications on Indian Pharmaceutical Industry: A Firm Wise Analysis of North West India,” International Conference on Managemen t Sciences and Innovation ICMSI , Genewa, Oct 10 - 11, ( 2014 ): 1 - 14.

Tandon, Urvashi, Kiran, Ravi, Sah, A.H (2015). Impact of perceived usability on repurchase intentions. Business Strategies for Excellence in Emerging Economies ISBN No. 978 - 81 - 92 1957 - 9 - 7 Bhattal Tech Publications Punjab, India (2015) .

Tandon, Urvashi and Kiran, Ravi, (2013). Analysing impediments to online retailing in India, International Conference at IIM Bangalore.

Ravi Kiran and Prashant Mehta (2013) Professional Ethics in Future Dimensions In Management - Ethics, Governance, Excellence and Sustainability, Edited by Sorab Sadri and Urvashi Makkar, 35 - 47, Bharti Publications: New Delhi .

Kiran , Ravi (2014) TRIPS and its Implications on Indian Pharmaceutical Industry: A Firm Wise Analysis of North West India, International Conference on Innovation, Geneva, Sweden, Period of visit: Oct 10 - 11, 2014, ICMSI 2014, [ Awarded best paper of the session]

Tandon, Urvashi and Kiran, Ravi, (2015). Understanding Relation of Website Functionality with Behavioural Intention in Online Shopping Context, proceedings of International Conference on Issues in Business Administration and Economics (IBAE - 2015) pp 5 - 12; Nov. 25 - 26, Paris (France) , (2015): 122 - 126.  
<http://erpub.org/siteadmin/upload/5699E1115039.pdf> .

Bose, S.C. & Kiran, R. (2016 ). Proceedings of National Conference on India Incorporation: Threats and Opportunities through Emerging disruptions, Indira Institute of Management, Pune, February 19 and 20, 2016 : .

Tandon, Urvashi and Kiran, Ravi, (2016). Proceedings of National Conference on India Incorporation: Threats and Opportunities through Emerging disruptions, Indira Institute of Management, Pune, February 19 and 20, 2016

BOOKS PUBLISHED

Anupam Sharma and Ravi Kiran (2013) A Strategic Framework for Corporate Social responsibility Practices: A study of India, Lambert Academic Publishing, Germany. Ravi Kiran (2014) Changing Perspectives and Paradigms in Business and Behavioral Sciences, ePub Bud, ISBN is: 978 - 1 - 63041 - 449 - 8"

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Professor","<https://tslas.thapar.edu/facultymaster/47/>","DR. JAYAPRAKASH MISHRA

Assistant Professor

Institute of Technology, Hyderabad

PhD in Cultural Studies and Anthropology, Indian

Areas of Interest:

Literary and Cultural Studies, Anthropology, Gender and Sexuality, Queer Kinship and reproduction, Films and literature

[jayaprakash.mishra@thapar.edu](mailto:jayaprakash.mishra@thapar.edu)

Jayaprakash Mishra completed his PhD in Cultural Studies and Anthropology in the Department of Liberal arts at Indian Institute of Technology, Hyderabad where his research focused on gay men married to women and how they negotiate with the social institution of marriage and family. Drawing on ethnographic accounts of gay men in mixed orientation marriage from the Eastern Indian state of Odisha, he examines how they situate themselves in the position of ambivalence to reconfigure the normative kinship structure simultaneously contesting the Western modes of family of choice.

His research interests are located in the intersection of Cultural studies and Literary studies, Anthropology, and is particularly interested in non-normative family, intimacies and friendships in South Asia. Another caveat of his research interest is in fictions, cinema, and popular culture. He recently finished working on a project on disability, care and family where the research group interviewed caregivers of people in the autism spectrum to understand their experience generally but also particularly during Covid 19. Some of the future research he is currently speculating are queering reproduction, Media and Autism, a textbook on popular culture and experiences of South Asian in the diaspora broadly.



He has been invited to present his work at some of the leading US universities including Princeton University, Stanford University and Brandeis University. He is recently Elected as the Co-chair for European Network of Queer Anthropology (EASA network) under which they will organize a workshop and a conference Panel funded by EASA.

## PUBLICATIONS

Mishra, J. (2020). Understanding re-partnership in non-normative conjugality: narratives of gay men in Odisha, India. *Journal of Family Issues*, 41(7), 957-977

Mishra, J. (2020). Queering emotion in South Asia: Biographical narratives of gay men in Odisha, India. *Asian Journal of Social Science*, 48(3-4), 353-374

Mishra, J. (2021). 'Be a man or be a woman, just be with us' Queering Kinship and Reproduction in Super Deluxe. *Sociological Review*.

Mishra, J. (2018). Sexual states: governance and the struggle to decriminalize homosexuality in India. *Contemporary South Asia*, 26(2), 255-256"

"1694535733-8","<https://tslas.thapar.edu/faculty>","Dr. Rahul Upadhyay

Assistant Professor

Dr. Rahul Upadhyay

Assistant  
Professor", "<https://tslas.thapar.edu/facultymaster/44>", Dr. Rahul Upadhyay

Assistant Professor

Areas of Interest:

Dr. Rahul Upadhyay is an Assistant Professor at Thapar Institute of Engineering and Technology, Patiala. He is associated with the institute's AI & Biomedical Imaging Research Laboratory. The laboratory aims to develop novel Biomedical imaging datasets and methods to process and classify datasets for realizing Computer Assisted Diagnosis techniques. His research team led by Dr. Upadhyay is engaged in developing software solutions for training subjects for operating synchronous and asynchronous Brain-Computer Interface systems. The team develops efficient Electroencephalogram (EEG) cleaning and classification algorithms for medical applications. Dr. Upadhyay works in the area of Artificial Intelligence, and Biomedical Image and Signal processing to develop assistive technological solutions. He completed his Postdoctoral Research with the Reilly Lab, Trinity College Institute of Neuroscience, Trinity College Dublin, Ireland. He has published many papers in journals and conferences of international repute. He has chaired and organized various international conferences and workshops and delivered keynote speeches."

"1694535736-9","https://tslas.thapar.edu/faculty","DR. RICHA NIGAM

Assistant Professor

DR. RICHA NIGAM

Assistant

Professor","https://tslas.thapar.edu/facultymaster/51","DR. RICHA NIGAM

Assistant Professor

Allahabad

PhD in Cognitive Science, University of

### Areas of Interest:

Emotion Regulation, Memory, Attention, Cognitive Control, Cognitive Aging

richa.nigam@thapar.edu

Dr. Richa Nigam is an Assistant Professor at the School of Liberal Arts and Sciences. Before joining TSLAS, she worked as a Research Officer at the Centre for Behavioral Science, IIM Ahmedabad. She earned her Master's and Ph.D. in Cognitive Science degree at the Centre of Behavioural and Cognitive Sciences, University of Allahabad. In her doctoral thesis program, she she looked at affective bias, proactive control and emotion regulation strategies as a function of aging. She also has experience working with special population i e., dementia and related disorders, and dyslexia. She has conducted an EEG/ERP and an fMRI study as part of the DST funded project on neural mechanisms of affective control. She uses psychophysical methods and Experience Sampling. Her area of research is Emotion Regulation, Cognitive Aging and Cognitive Control.

### PUBLICATIONS

#### Journal Articles

Nigam, R., Kar, B.R. (2021). Conflict monitoring and adaptation to affective stimuli as a function of ageing. *Cognitive Processing*, 22, 1-16.

Nigam, R., Kar, B.R. (2020). Cognitive ageing in developing societies: An overview and a cross sectional study on Young, Middle-aged and Older adults in the Indian context. *Psychology and Developing Societies*, (1-30).

Kar, B.R., Srinivasan, N., Nehabala, Y., & Nigam, R. (2018). Proactive and reactive control depends on emotional valence: a Stroop study with emotional expressions and words. *Cognition and Emotion*, 0269- 9931, 1-16.

Duggirala, D., Samudragupta. B. R., Alladi, S., Patel, J., Naidu, V. Y., Sireesha J. & Nigam R. (2011). Action Verbs and Body Parts: A Cross-linguistic Study. *International Journal of Mind, Brain and Cognition (IJMBC)*, 2.

#### Book Chapters

Nigam, R., Kar, B.R. Interaction between affect and cognition as a function of aging: Testing the positivity bias in Indian population. (2022). *Towards an Integrative Psychological Science: Issues, Approaches and Applications*, 81-99

Kar, B.R., Nigam, R., Pammi, V.S.C., Guleria, A. & Srinivasan, N. (2019). Neurocognitive mechanisms of affective conflict adaptation: An event related fMRI study. *Progress in Brain Research*, 247, ISSN 0079-6123."

"1694535739-10","<https://tslas.thapar.edu/faculty>","DR. RABI PRAKASH

Assistant Professor

DR. RABI PRAKASH

Assistant

Professor", "<https://tslas.thapar.edu/facultymaster/48>","DR. RABI PRAKASH

Assistant Professor

New Delhi

PhD. in Sociology, Jawaharlal Nehru University,

New Delhi

M.Phil. in Sociology, Jawaharlal Nehru University,

Areas of Interest:

Social theories, Historical and Political Sociology, Sociology of Intellectual and Political Culture in South Asia, Regional Polity in Mughal India, History of Caste in Medieval and Early Modern India, Hindi Literary Culture of Modern and Early Modern India, and History of Education

rabi.prakash@thapar.edu

PUBLICATIONS

Journal Articles

Emerging Scholarship on Vernacular Languages in Early Modern North India: A Conversation with Imre Bangha, (University of Oxford), Economic and Political Weekly (EPW), January 2021

Beyond Sociology of Values: Social Reform Movements and Formation of Egalitarianism and Individualism in 19th Century India, Research Review, Vol. 6, no. (6), 2021

Asmita ki Rajniti aur pathyapustakein (Politics of Identity and Textbooks)  
Conversation with Suhas Palshikar, (in Hindi) Siksha Vimarsh, November, 2012

#### Book Reviews

'A Party to Contend With,' A review of 'The RSS A View to the Inside' by Walter  
K. Andersen, & Shridhar D. Damle, The Book Review Journal, August 2019

#### Popular & Public Writings

Allison Busch (1969-2019) A Scholar who worked to find 'Hindi in  
History and History in Hindi'. Scroll.in November 11, 2019.

Gods, Rustic and Numbers, The Cottage Reader, November 2013"

"1694535742-11","https://tslas.thapar.edu/faculty","DR. TIMOTHY KERSWELL

Associate Professor



DR. TIMOTHY KERSWELL

Associate

Professor";"<https://tulas.thapar.edu/facultymaster/7>";"DR. TIMOTHY KERSWELL

Associate Professor

of Technology, Australia

PhD in Political Science, Queensland University

Associate Professor, (On Leave) TSLAS, Thapar  
Institute of Engineering & Technology, Bhadson Road, Patiala-147004, Punjab)

Areas of Interest:

Political economy, comparative politics, political science, labour studies, social  
movements

timothy.kerswell@thapar.edu

Timothy Kerswell is a political scientist with expertise in political economy, labor politics, social movements, and a regional focus on India and China. He is the author of *Worker Cooperatives in India* (Palgrave MacMillan) and his articles have been published in leading outlets such as *The Journal of Contemporary Asia*, *The China Review*, *Geoforum*, *Socialism and Democracy* and *The Journal of Labor and Society*. He previously worked for the University of Macau from 2013 to 2020 in the Department of Government and Public Administration as an Assistant Professor. He has also worked for the Australian Government in the Department of Home Affairs as a policy adviser from 2009 to 2013 resigning at the rank of Assistant Director, and the United Workers Union as a research consultant in 2013. He regularly appears on China Global Television Network and publishes written op-eds for CGTN and China Daily. He completed his PhD in political science from Queensland University of Technology.

## PUBLICATIONS

### Books

Kerswell, T., Pratap, S., “*Worker Cooperatives in India*” Basingstoke: Palgrave MacMillan, 2018, .

Kerswell, T., “*New Imperialism?: Political Formations and Imperialism in the Philippines*” LAP, 2011.

### Journal Articles?

Kerswell, T., Zihong D., "The Political Economy of Pneumoconiosis in China", *The China Review*. (SSCI, Scopus: Q1 Cultural Studies) – [Forthcoming]

Kerswell, T., A Conceptual History of the Labour Aristocracy: A Critical Review, *Socialism and Democracy*. Vol 32, Iss 2, 2018. (Scopus Q3: Sociology and Political Science):

Kerswell, T., Studies of the Indian Communist Movement. *The Journal of Labor and Society*. Vol 21, Iss 3, 2018:

Kerswell, T., Pratap, S., "Liberalisation in India: Does it Help or Aggravate Employment Problems?" *Journal of Contemporary Asia*, Vol 49, Iss 4, 2018. (SSCI, Scopus Q1 Cultural Studies, Q1 Social Sciences (Misc.):

Kerswell, T., Pratap, S., "Labour Imperialism in India: The Case of SEWA" *Geoforum*. Vol 85, 2017. (SSCI, Scopus: Q1 Sociology and Political Science):

Kerswell, T., Lin, J., "Capitalism Denied with Chinese Characteristics." *Socialism and Democracy*. Vol 31, Iss 2, 2017. (Scopus Q3: Sociology and Political Science):

Kerswell, T., Surendra, P., "Some Reflections on the Crisis of the Left in India", *Marxism 21*. Vol 14, Iss 1, 2017

Kerswell, T., Surendra, P., "India's 'Informal Sector': Demystifying a Problematic Concept," *The Journal of Labor and Society*, Volume 19, Issue 1, 2016:

Kerswell, T., Surendra Pratap, "Informality in Automobile Value Chains in India," *The Journal of Labor and Society*, Volume 18, Issue 4, 2015:

Kerswell, T., Productivity and Wages: What Grows for Workers without Power and Institutions? *Social Change*, Volume 43, Issue 4, 2013:

Kerswell, T., Globalizing the Social Movements: Labour and the World Social Forum. *Theory in Action*, Volume 5, Issue 3, 2012:

Kerswell, T., Consuming Value: The Politics of Production and Consumption. *Economic Affairs*, Volume 57, Issue 3, 2012.

Kerswell, T., Class, Productive and Unproductive Labour: Divisions in the Global Working Class. *Journal of Alternative Perspectives in the Social Sciences*, 4, 1, 2012.

#### Book Chapters

Kerswell, T., Frantz Fanon and the Peasantry as the Centre of Revolution,” *Frantz Fanon Book Project*, Leiden: Brill Publishing, [Forthcoming]

Kerswell, T., Pratap, S. Informality in the Indian Automobile Industry,” *Understanding Labour Market Institutions, Processes and Policies in the Globalizing India*. Basingstoke: Palgrave MacMillan, [Forthcoming]

Cope, Z., Kerswell, T. Labour, Imperialism and Globalization,” *The Palgrave Encyclopaedia of Imperialism and Anti-Imperialism*, Basingstoke: Palgrave MacMillan, 2015

Kerswell, T., “Joseph Stalin,” *The Palgrave Encyclopaedia of Imperialism and Anti-Imperialism*, Basingstoke: Palgrave MacMillan, 2015

Kerswell, T., "Samir Amin," The Palgrave Encyclopaedia of Imperialism and Anti-Imperialism, Basingstoke: Palgrave MacMillan, 2015

## Book Reviews

Kerswell, T., "Kuhn, Gabriel (Ed). Turning Money Into Rebellion: The Unlikely Story of Denmark's Revolutionary Bank Robbers. Montreal: Kersplebedeb." Journal of Labor and Society. Vol 20, Issue 1

Kerswell, T., "Development and Dispossession: The Crisis of Forced Displacement and Resettlement," by Anthony-Oliver Smith, Human Rights Review, Volume 16, Issue 4, 2015

Kerswell, T., "Labor Divided," Monthly Review, Volume 65, Issue 7, 2013

## Conference Activity

Kerswell, T., "The Challenge of Informality and Precarity in India's Garment and Textile Value Chain", Indian Society of Labour Economics Annual Conference. Gulati Institute of Finance and Taxation, Thiruvananthapuram, India 2017.

Kerswell, T., "SEWA and Trade Union Imperialism. " Workshop on Labour Geography – From Spaces of Work To Communities of Struggle. City University of Hong Kong, Hong Kong SAR, China, 2017

Kerswell, T., "Neoliberal Unions Produce Neoliberal Cooperatives: A Case Study of SEWA Rachaita." Labor under Social Transformation and Globalization. University of Macau, Macau SAR, China, 2017

Kerswell, T., "Frantz Fanon and the Revolutionary Peasantry." New Political Science, University of Havana, Cuba, 2016

Kerswell, T., "The Rise and Fall of Chhattisgarh Mines Shramik Sangh and their cooperative movement." New Political Science, University of Havana, Cuba, 2016

Kerswell, T., "The Rise and Fall of Chhattisgarh Mines Shramik Sangh and their Cooperative Movement.", Alternative Business Histories: The 8th Annual Conference of the Academic Association of Historians in Australian and New Zealand Business Schools, Macquarie University, Australia, 2016

Kerswell, T., "Neoliberalism vs Village Collectivism: A Success Story from an Indian Village", The 11th Forum of the World Association for Political Economy, Punjabi University, India, 2016

Kerswell, T., "Democracy, Development or Power? Informal Workers in India and China," New Political Science, University of Havana, Cuba, 2015

Kerswell, T., "Is the labour question the same in the global north as it is in the global south?" Social Change in the 21st Century, QUT, Brisbane, 2006."

"1694535745-12","https://tslas.thapar.edu/faculty","DR. MANMOHAN CHHIBBER

Professor

DR. MANMOHAN CHHIBBER

Professor","https://tslas.thapar.edu/facultymaster/21","DR.  
MANMOHAN CHHIBBER

Professor

PhD in Chemistry, Panjab University, India

Professor, School of Chemistry and Biochemistry,  
Thapar Institute of Engineering & Technology, Bhadson Road, Patiala-147004, Punjab

### Areas of Interest:

Synthetic organic chemistry, Organic materials, Antimicrobial compounds, Ion and Biomolecule Sensing

mchhibber@thapar.edu

Dr. Manmohan Chhibber is full professor at the School of Chemistry and Biochemistry, TIET, Patiala. He joined as an assistant professor in 2007 after his post-doc from the Indian Institute of Science, Bangalore. At IISc, he spent four and a half years in the Molecular Biophysics Unit. Prof. Chhibber completed his Ph.D. from the Department of Chemistry, Panjab University, Chandigarh in 2003. He has been associated with both undergraduate and postgraduate teaching besides guiding Ph.D. students. At present, he is coordinator for the Applied Chemistry (UCB008) course that is taken by all 1st year undergraduate engineering students. Prof. Chhibber adopts an alluring teaching style that includes flipped classroom, role plays, think-pair-share and discussions. Appointed as Thapar-Trinity Teaching Fellow, TTTF, after exhaustive training at Trinity College Dublin, Ireland (University of Dublin), he is also associated with faculty development programs at TIET.

His research interests include the design of molecular systems that can recognize ions and biomolecules. Exploring the antibacterial activity of diphenyl ethers and fluoroquinolones-based molecules is another area of his research. His research group includes the use of synthetic organic chemistry for the synthesis of designed molecules and further investigations using UV-visible, fluorescence and NMR spectroscopies. His other interests include experimental teaching, delivering motivational talks and remaining involved with ideas of movie-making. Prof. Chhibber is also a faculty-in-charge of Thapar Movie Club (TMC), one of many prestigious societies at the TIET campus. He loves to be with his family and a small garden in his free time.

List of Publications (SCI Journals)



Rupinder Kaur, Manmohan Chhibber, Partha Mahata, Susheel K Mittal; Induction of catalytic activity in ZnO loaded cobalt based MOF for the reduction of nitroarenes, *ChemistrySelect* (2018), 3, 3417-3425.

Rupinder Kaur, Manmohan Chhibber, Partha Mahata, Susheel K Mittal; Luminescence Based Detection of Trinitrophenol and Aromatic Organophosphorous Pesticides Using a Coordination Polymer, *J. Mex. Chem. Soc.* (2017), 61, 336-341.

Rashmi Sharma, Manmohan Chhibber and Susheel K. Mittal; Ether-Imine Based Multiresponsive Voltammetric Dipodal Receptor for Nanomolar Detection of Copper Ions, *J. Electrochem. Soc.* (2016), 163, B751-B760.

Rashmi Sharma, Manmohan Chhibber and Susheel K. Mittal; A new ionophore for chemical sensing of  $F^-$ ,  $CN^-$  and  $Co^{2+}$  using voltammetric, colorimetric and spectrofluorimetric techniques, *RSC Advances*, (2016), 6, 51153-51160.

Ramandeep K. Mehton, Vineet Meshram, Sanjai Saxena and Manmohan Chhibber; Synthesis and Anti-Staphylococcal Activity of 2, 4-Disubstituted Diphenylamines, *J. Braz. Chem. Soc.*, (2016), 27,

1236-1244.

Rashmi Sharma, Susheel K. Mittal and Manmohan Chhibber; Voltammetric Sensor for Fluoride Ions Using Diphenylether Derivatives Supported by NMR and Theoretical Studies, *J. Electrochem. Soc.* (2015), 162, B1-B8.

Rashmi Sharma, Manmohan Chhibber and Susheel K. Mittal; Diphenylether based Derivatives as Fe(III) chemosensors : Spectrofluorimetry, electrochemical and theoretical studies, *RSC Advances*, (2015), 5, 21831-21842.

Susheel K. Mittal, Rashmi Sharma, Manisha Sharma, Narinder Singh, Jasmininder Singh, Navneet Kaur and Manmohan Chhibber; Voltammetry of nanoparticle-coupled imine linkage-based receptors for sensing of Al(III) and Co(II) ions, *J. Appl. Electrochem.*, (2014), 44, 1239-1251.

Gurpreet Kaur Khaira, Rashmi Kumariya, Manmohan Chhibber and Moushumi Ghosh; Development of a quaternized chitosan with enhanced antibacterial efficacy, *J. Water Health*, (2013), 11, 410-418.

Bhaskar Chetnani, Parimal Kumar, K. V. Abhinav, Manmohan Chhibber, A. Surolia, and M. Vijayan; Location and conformation of pantothenate and its derivatives in *Mycobacterium tuberculosis* pantothenate kinase: insights into enzyme action, *Acta Crystallographica. Section D*, (2011), D67, 774–783.

Satnam S. Aulakh, Manmohan Chhibber, Rasika Mantri and Ranjana Prakash; Whole cell catalyzed esterification of fatty acids to biodiesel using *Aspergillus* sp., *Biocatal. Biotransfor.*, (2011), 29, 354-358.

Ira Surolia, Manmohan Chhibber, Debi Prasad Sarkar and Sharmistha Sinha; Fibrillogenesis in ADan peptides is inhibited by biphenyl ethers, *Biochemical and Biophysical Research Communications*, (2008), 370, 681–686.

Sarika Gupta, Manmohan Chhibber, Sharmistha Sinha and Avadhesha Surolia; Design of Mechanism-Based Inhibitors of Transthyretin Amyloidosis: Studies with Biphenyl Ethers and New Structural Templates, *Journal of Medicinal Chemistry*, (2007), 50, 5589-5599.

Parimal Kumar, Manmohan Chhibber, Avadhesha Surolia; How pantothenol intervenes in Coenzyme-A biosynthesis of *Mycobacterium tuberculosis*, *Biochemical and Biophysical Research Communications*, (2007), 361, 903–909.

Manmohan Chhibber, Gyanendra Kumar, Prasanna Parasuraman, T. N. C. Ramya, Namita Surolia and Avadhesha Surolia; Novel diphenyl ethers: Design, docking studies, synthesis and inhibition of enoyl ACP reductase of *Plasmodium falciparum* and *Escherichia coli*, *Bioorganic & Medicinal Chemistry*, (2006), 14, 8086–8098.

Manmohan Chhibber; Potassium Fluoride on Alumina (KF/Al<sub>2</sub>O<sub>3</sub>), Synlett, (2004), 197– 198.

Jasvinder Singha, Munisha Sharma, Manmohan Chhibber, Jasamrit Kaur and Goverdhan L. Kad; Chemoselective Oxidation of Benzylic Alcohols with Solid Supported CrO<sub>3</sub>/TBHP Under Microwave Irradiation, Synthetic Communications, (2000), 30, 3941-3945.

#### List of Publications (Non-SCI Journals)

Ramandeep K. Mehton, T.N.C. Ramya and Manmohan Chhibber; Enhancement in the solubility

of triclosan with Triton X-100 without affecting its antibacterial activity in Escherichia coli , Res. J. Chem. Environ. (2015), 19(11), 14-27.

Satnam Singh, Sneha Aggrawal, Manmohan Chhibber and Ranjana Prakash; Lipase Catalyzed Transesterification of Cottonseed Oil, Journal of Pure & Applied Microbiology, (2010), 4, 367-372.

#### Awards/Honours/Fellowships

Mentor in TEQIP-II sponsored Faculty Development Programme cum Refresher Course organised by UIET, Kurushetra University, Kurushetra. Importance of Interdisciplinary Subjects In Current Engineering Education

Venue: Dept. of Computer Engg., Kurushetra University, Date: January 20, 2017

Mentor in Department of Science and Technology (Govt. of India) sponsored INSPIRES PROGRAMMES

Asian Educational Institute, Sirhind Road, Patiala. January 2013.

ISF College of Pharmacy, Ferozepur G T Road, Moga, Punjab. August 2012

RIMT Institute of Engineering and Technology, Mandi Gobindgarh, Punjab, February 2012

Invited Talks

Organised by Bangalore Association for Science and Education (BASE),

Pheromones: Importance, Utility and Synthesis;

Venue: Jawahar Lal Nehru Planetarium, Bangalore. Date: November 16, 2006.

Organised by Indian Institute of Information Technology (IIIT), Hyderabad.

Fatty Acid Synthase II: Possible New Drug Target for Antimalarials and Antibacterials

Venue: IIIT, Hyderabad. Date: February 17, 2007.

Organised by Science Association of MCM DAV College for Women,

Nature: An Ultimate Source of Inspiration for Science and Society;

Venue: MCM DAV College for Women, Chandigarh. Date: February 15, 2012."

"1694535748-13","https://tslas.thapar.edu/faculty";"Dr. Alessandro Saccal

Assistant Professor

Dr. Alessandro Saccal

Assistant

Professor";"https://tslas.thapar.edu/facultymaster/60";"Dr. Alessandro Saccal

Assistant Professor

Tor Vergata

PhD Economics and Finance, University of Rome

Msc Mathematics, Heriot-Watt University

Areas of Interest:

International economics, macroeconomics, mathematical economics, microeconomics,  
(economic) history, logic, Thomism, languages

[alessandro.saccal@thapar.edu](mailto:alessandro.saccal@thapar.edu)

## Papers Published

“A role for confidence: volatility regimes and news”, Journal of Mathematical Economics and Finance, 2023

“Financing imports, the Triffin dilemma and more”, Journal of Economics and Econometrics, 2023

“Mechanical analyses and derivations of money velocity”, Journal of Mathematical Economics and Finance, 2022

“Nash equilibria of COVID-19 vaccination”, Journal of Economics and Econometrics, 2022

“The mercantile dilemma: formalisations and historical conclusions”, Journal of Mathematical Economics and Finance, 2022

“The Marshall Lerner condition and money demand: a note”, Theoretical and Practical Research in Economic Fields, 2022

“Marshall Lerner condition for money demand”, Journal of Applied Economic Sciences, 2022

“Confidence and economic activity in Europe”, IUP Journal of Applied Economics, 2022



“A note on minimality in Dynare”, Journal of Applied Economic Sciences, 2021

“Efficiency wage (and slavery) efficiency: in theory and in time”, Journal of Applied Economic Sciences, 2021

“Fathoming slavery: feudalism, African bondage, globalisation and beyond”, International Journal of Finance and Banking Studies, 2021

“A note on gensys' minimality”, Theoretical and Practical Research in Economic Fields, 2021

“The political economy theorem”, Theoretical and Practical Research in Economic Fields, 2020

#### Testimonial

Mathematical economist. Extensive training and experience with equilibrium models, dynamical systems, vector auto-regressions, linear regressions, contracts, predicate calculus, history, Thomistic philosophy and theology. Lectured econometrics, macroeconomics, partial differential equations, mathematical economics, political economy and more; further held a teaching position in mathematics. Also published a variety of articles in different reviews."

"1694535751-14","<https://tslas.thapar.edu/faculty>","DR. LEILA CHAMANKHAH

Assistant Professor

DR. LEILA CHAMANKHAH

Assistant

Professor", "<https://tslas.thapar.edu/facultymaster/56>", DR. LEILA CHAMANKHAH

Assistant Professor

Ph.D. in Islamic Studies

Ph.D. in Political Science

of Exeter, United Kingdom

Institute of Arab and Islamic Studies, University

Tarbiat Modares University

Areas of Interest:

Iranian studies, Islamic intellectual history, Middle Eastern studies, political science

leila.chamankhah@thapar.edu

I am a dual Ph.D. in Islamic studies (with specialization in Shia intellectual history) and political science (with specialization in Iranian studies). My areas of interest are Islamic studies, Shia intellectual history, Iranian Studies and Middle Eastern politics. Before leaving Iran in December 2012, I was an associate professor of political science at Islamic Azad University in my hometown, Kerman. After settling in Ohio, USA in 2013, I started teaching at the Department of Philosophy, University of Dayton (UD), and then joined the Department of Literature, University of California, San Diego (UCSD) in Spring 2021. I moved to India in April 2022 to teach Persian at Punjabi University, Patiala (PUP), and from December 2022 to March 2023 I worked as a visiting research scholar at Guru Gobind Singh Chair, PUP. My task was to translate Sikh texts including JAP Sahib (by Guru Gobind Singh) into Persian. My first book in English entitled "The Conceptualization of Guardianship in the Iranian Intellectual History (1800 -1989): Reading Ibn 'Arabī's Theory of Wilāya in the Shī'a World", has been published by Palgrave MacMillan in September 2019. I also published several articles on different aspects of Islamic studies, Iranian studies, and Shi'a intellectual history.

## PUBLICATIONS

'afarnāmah: A Glimpse into the Text and its Historical and Intellectual Context, International Journal of Islamic Khazanah (IJK), IJK, Vol. 13 No. 1: 11-17, DOI: 10.15575/ijik.v13i1.21293., <https://journal.uinsgd.ac.id/index.php/ijik/issue/view/1070>.

From Political Islam to Civil Religion: The Possibilities of a Pluralistic Constitution and its Impact on Human Rights in Post-Revolutionary Iran, *TEOSOFI: Jurnal Tasawuf dan Pemikiran Islam*, Java, Indonesia, <http://jurnalfuf.uinsby.ac.id/index.php/teosofi/article/view/1890>, Vol. 12, No. 1 (June 27, 2022): 125–144.

Persianization of Shaykhism: The Doctrine of Rukn-i Rabi' from Ahmad al-Ash'ari to Karim Khān Kirmāni, *the Muslim World*, 111:3, August 2021, pp. 299-335.

Dialogue with the Master: Early Shi'a Encounters with Akbarian Mysticism, *TEOSOFI: Jurnal Tasawuf dan Pemikiran Islam*, Java, Indonesia, <https://doi.org/10.15642/teosofi.2020.10.1.155-178>, Vol. 10, No. 1 (June, 2020): 155-178.

Conflicting Worldviews: Shaykh Ahmad Ash'ari's Risalat al-Rashtiyah and the Problematic of Akbarian Mysticism, *Iranian Studies*, <https://doi.org/10.1080/00210862.2020.1777392>, published online 20 July 2020.

#### Awards and Recognition

Research Internship, Center for Islamic Shi'a Studies, London, UK (March 2016).

Research Grant, the British Institute of Persian Studies (BIPS), (December 2014).

DAAD Institute (German Academic Exchange Service), Host: Ludwig-Maximilians University, Munich, Germany (Summer 2009).

Master of Arts (MA) Thesis Award, Jah?d-i D?nishg?h?, Tehran, Iran (June 2001)."

"1694535754-15","https://tslas.thapar.edu/faculty","DR. SHEIKH ADIL EDRISI

Assistant Professor

DR. SHEIKH ADIL EDRISI

Assistant

Professor","https://tslas.thapar.edu/facultymaster/5","DR. SHEIKH ADIL EDRISI

Assistant Professor

PhD in Botany, MPhil in Environmental Science  
and Sustainable Development, Banaras Hindu University, India

Assistant Professor, TSLAS, Thapar Institute of  
Engineering & Technology, Bhadson Road, Patiala-147004, Punjab

#### Areas of Interest:

Bioenergy Production, Land Restoration, Restoration Ecology, Socio-economics, Sustainability Sciences.

sheikhadil.edrisi@thapar.edu

Sheikh Adil Edrisi is one of the 25 globally recognized potential young scientists to be awarded for the Green Talents Awards-2019, supported by the Federal Ministry of Education and Research, Germany. His research is focused on utilizing geospatial modelling to classify and explore the marginal and degraded lands for their efficient management to produce various value-added bioproducts, including biomass and bioenergy, regaining ecosystem services, and attaining multiple UN-SDGs for global sustainability. Therefore, Adil is interested to explore the different multidisciplinary dimensions of geospatial modeling, restoration ecology, soil sciences, socio-economics, policy outlining for the restoration of degraded lands, and bioenergy production.

Before joining the Thapar Institute of Engineering and Technology, Adil worked as a Post-doctoral Research Associate at the Indian Institute of Technology (IIT), Kharagpur, India. He also worked as a Visiting Fellow at Beijing Normal University, China (2017) and Center for International Forestry Research (CIFOR), Indonesia (2018), and earned his Doctoral Research at Institute of Environment and Sustainable Development (IESD), Banaras Hindu University, India, in 2019. He has completed his MPhil in Environmental Science and Sustainable Development (2013) at Banaras Hindu University, India. Besides the Green Talent Award, Adil also received the NASI-Springer Award in 2018 provided by the National Academy of Sciences, India (NASI) for the best research in his field. He has also been awarded the Travel Grant under International Travel Scheme from DST-SERB, Govt. of India, to present his research in Slovenia.

Currently, he is handling a SERB-funded project on the ""Sustainability Assessment of Urban Forestry,"" sanctioned for 2021-2023. He is also associated with various international journals of high repute and serving in the capacity of Academic Editor, Coordinating Editor, Associate Editor, Editorial Board Member, Review Editor, and Guest Editor. He is also a frequent reviewer for several journals from Nature Publishing Group, Wiley, Elsevier, Springer, Frontiers, MDPI, Taylor & Francis, etc. Apart from his contribution to various publications, he has co-authored the book published by the International Resource Panel-United Nations Environment Programme (IRP-UNEP) and serving as an active member of various international organizations, including IUCN Commissions (CEM, CEC, and CEESP) for tackling global challenges in sustainability.

## PUBLICATIONS

### Journal Articles

Edrisi, S.A., Bundela, A.K., Verma, V., Dubey, P.K., Abhilash, P.C\*.  
Assessing the impact of global initiatives on current and future land restoration scenarios in India. *Environmental Research* (2023) Elsevier, [Link]

Edrisi, S.A., Singh, A., Dubey, P.K., Abhilash, P.C.\* *Tectona grandis* L.f.  
mediated restoration of marginal lands in Eastern Uttar Pradesh, North India. *Land Degradation & Development* (2022) Wiley, [Link]

Verma, V., Edrisi, S.A\*. Sustainable management of land resources via the co-designing approach. *Journal of Cleaner Production* (2022), Elsevier, [Link]

Edrisi, S.A., Dubey, P.K., Chaturvedi, R.K., Abhilash, P.C\*. Bioenergy crop production potential and carbon mitigation from marginal and degraded lands of India. *Renewable Energy* (2022), Elsevier, [Link]

Edrisi, S.A. \*, Sarkar, P., Son, J., Prakash, N.T., Baral, H. Assessing the Realization of Global Land Restoration: A Meta-Analysis. *Anthropocene Science* (2022), Springer, [Link]

Edrisi, S.A\*. , Sahiba, S.A., Chen, B. Abhilash, P.C\*. Emergy-based sustainability analysis of bioenergy production from marginal and degraded lands of India. *Ecological Modelling* (2022), Elsevier, [Link]

Upadhyay, S.K., Edrisi, S.A. Developing Sustainable Measures to Restore Fly Ash Contaminated Lands: Current Challenges and Future Prospects. *Land Degradation & Development* (2021), Wiley, [Link]



Edrisi, S.A\*, Abhilash, P.C. Need of Transdisciplinary Research for Accelerating Land Restoration during the UN Decade on Ecosystem Restoration. Restoration Ecology (2021), Wiley, [Link]

Edrisi, S.A., Tripathi, V., Chaturvedi, R.K., Dubey, D.K., Patel, G., Abhilash, P.C\*. Saline soil reclamation index as an efficient tool for assessing restoration progress of saline land. Land Degradation & Development (2021), Wiley, [Link]

Edrisi, S.A., El-Keblawy, A., Abhilash, P.C\*. Sustainability analysis of Prosopis juliflora (Sw.) DC based restoration of degraded land in North India. Land (2020), MDPI, [Link]

Tripathi, V., Edrisi, S.A., Chaurasia, R., Pandey, K.K., Dinesh, D., Srivastava, R., Srivastava, P., Abhilash, P.C.\* Restoring HCHs polluted lands as one of the priority activities during the UN-International Decade on Ecosystem Restoration (2021-2030): A call for global action. Science of the Total Environment (2019), Elsevier, [Link]

Edrisi, S.A., Tripathi, V., Abhilash, P.C.\* Performance analysis and soil quality indexing for Dalbergia sissoo Roxb. grown in marginal and degraded land of eastern Uttar Pradesh, India. Land (2019), MDPI, [Link]

Edrisi, S.A., Tripathi, V., Abhilash, P.C\*. Towards the sustainable restoration of marginal and degraded lands of India. *Tropical Ecology* (2018), ISTE, Springer, [Link]

Edrisi, S.A. \*, Tripathi, V. Managing soil resources for sustainable development. *Journal of Cleaner Production* (2018), Elsevier, [Link]

Tripathi, V., Edrisi, S.A., Chen, B., Gupta, V.K.\* , Abhilash, P.C.\* , Vilu, R., Gathergood, N. Biotechnological Advances for Restoring Degraded Land for Sustainable Development. *Trends in Biotechnology* (2017), Cell-Press, [Link]

Tripathi, V., Edrisi, S.A., O'Donovan, A., Gupta, V.K.\* , Abhilash, P.C.\* Bioremediation for fueling the biobased economy. *Trends in Biotechnology* (2016), Cell-Press, [Link]

Abhilash, P.C.\* , Tripathi, V., Edrisi, S.A., Dubey, R. K., Bakshi, M., Dubey, P. K., Singh, H. B., Ebbs, S.D. Sustainability of Crop production from polluted lands. *Energy, Ecology & Environment* (2016), Springer, IF: NA, [Link]

Tripathi, V., Edrisi, S.A., Abhilash, P.C\*. Towards the coupling of phytoremediation with bioenergy production. *Renewable and Sustainable Energy Reviews* (2016), Elsevier, [\[Link\]](#)

Edrisi, S.A., Abhilash, P.C\*. Exploring marginal and degraded lands for biomass production: An Indian scenario. *Renewable and Sustainable Energy Reviews* (2016), Elsevier, [\[Link\]](#)

Edrisi, S.A., Abhilash, P.C\*. Book review: Socio-economic impacts of bioenergy production. *Frontiers in Bioengineering and Biotechnology* (2015), Elsevier, [\[Link\]](#)

Edrisi, S.A., Abhilash, P.C\*. Sustainable bioenergy production from woody biomass: Prospects and promises. *Journal of Cleaner Production* (2015), Elsevier, [\[Link\]](#)

Abhilash, P.C., Tripathi, V., Dubey, R. K., Edrisi, S. A. Coping with changes: adaptation of trees in a changing environment. *Trends in Plant Science* (2015), Cell-Press, [\[Link\]](#)

Edrisi, S.A., Dubey, R.K., Tripathi, V., Bakshi, M., Srivastava, P., Jamil, S., Singh, H.B., Singh, N., Abhilash, P.C\*. *Jatropha curcas* L.: A crucified plant waiting for resurgence. *Renewable and Sustainable Energy Reviews* (2015), Elsevier, [Link]

Tripathi, V., Dubey, R.K., Edrisi, S.A., Narain, K., Singh, H.B., Singh, N., Abhilash, P.C\*. Towards the ecological profiling of a pesticide contaminated site for remediation and management. *Ecological Engineering* (2014), Elsevier,[Link]

#### Book Chapters

Edrisi, S.A., Tripathi, V., Abhilash, P.C.\* Carbon sequestration and harnessing biomaterials from terrestrial plantations for mitigating climate change impacts. In: *Biomass, Biofuels, Biochemicals Climate Change Mitigation: Sequestration of Green House Gases*. Thakur, I.S., Pandey, A., Ngo, H.H., Soccol, C.R., Larroche, C. (Eds.). (2022) Publisher: Elsevier [Link].

Edrisi, S.A., Rakshit, A., Dubey, P.K., Abhilash, P.C., Singh, S.K., Patra, A.K., Pathak, H. Managing Soil Resources for Human Health and Environmental Sustainability. In: Rakshit A., Singh S., Abhilash P., Biswas A. (eds) *Soil Science: Fundamentals to Recent Advances*. (2021) Springer, Singapore [Link]

Dubey, R.K., Tripathi, V., Edrisi, S.A., Bakshi, M., Dubey, P.K., Singh, A., Verma, J.P., Singh, A., Sarma, B.K., Raskhit, A., Singh, D.P., Singh, H.B., Abhilash, P.C.\* Role of Plant Growth Promoting Microorganisms in Sustainable Agriculture and Environmental Remediation. Published in Advances in PGPR Research. Sarma, B.K., Singh, H.B., Keswani, C. (Eds.). Publisher: Centre for Agriculture and Biosciences International (CABI), Wallingford, United Kingdom (2017), ISBN: 9781786390325, 466 pp, [\[Link\]](#)

### Special Issues

Edrisi, S.A., Chen, B., Tripathi, V., Brandão, M., Baral, H. (Eds.). Second-Generation Biofuels: Strategies from Degraded Lands to Industries for Climate Change Mitigation and UN-SDG. *Frontiers in Energy Research*, Frontiers, 2022- [\[Link\]](#)

Edrisi, S.A., Abhilash, P.C., Baral, H., Tripathi, V., Dubey, R.K. (Eds.). Diverse Forestry Systems for Cleaner Production Towards the Bio-Based Economy and Sustainable Development. *Forests*, MDPI, 2022- [\[Link\]](#)

Abhilash, P.C., Edrisi, S.A., Tripathi, V., Chaturvedi, R.K., Baral, H., El-Keblawy, A. (Eds.). Restoring Degraded Lands to Attain UN-SDGs-II. *Land*, MDPI, 2022- [\[Link\]](#)

Abhilash, P.C., Edrisi, S.A., Callaham Jr, M., Tripathi, V., Frouz, J., El-Keblawy, A., Török, P., Rao, C.S. (Eds.). Challenges and Opportunities of Global Land Restoration During the UN-Decade on Ecosystem Restoration (2021-2030). Land Degradation and Development, Wiley [Link]

Abhilash, P.C., Edrisi, S.A., Tripathi, V., Chaturvedi, R.K., Baral, H., El-Keblawy, A. (Eds.). Restoring Degraded Lands to Attain UN-SDGs. Land, MDPI [Link]

## Reports

Herrick, J.E., ... Edrisi, S.A., ... Zeleke, G. Land Restoration for Achieving the Sustainable Development Goals: An International Resource Panel Think Piece. A think piece of the International Resource Panel. United Nations Environment Programme, Nairobi, Kenya. IRP (2019), ISBN: 978-92-807-3758-5, [Link]

## Conference proceedings/ Souvenirs

Edrisi, S.A., Rakshit, A., Dubey, P.K., Abhilash, P.C., Singh, S.K., Patra, A.K., Pathak, H. Managing Soil Resources for Human Health and Environmental Sustainability.

84th Annual Convention of Indian Society of Soil Science & National Seminar on Developments in Soil Science. Publisher: Varanasi Chapter of the Indian Society of Soil Science, Banaras Hindu University, Varanasi. November, 2019, [Link]

Edrisi, S.A., Abhilash, P.C. Managing soil sustainability indicators for sustainable biomass and biofuel production. 10th International Conference on Sustainable Energy and Environmental Protection. Bioenergy and Biofuels. Conference Proceedings. University of Maribor Press. ISBN: 78-961-286-048-6; 403-413p June, 2017, [Link]

#### Papers presented in Conferences

More than 20 papers were presented in various national and international conferences across India and abroad.

[Click here to see complete Publications](#)

#### AWARDS AND RECOGNITION

Awards

Prof. Subodh Bhatnagar Innovation Award-2022, Society for Plant Research, Uttar Pradesh, India. December 2022.

Guest Scientist at Potsdam Institute for Climate Impact Research (PIK), Potsdam, Germany. October 20-December 31, 2022.

Young Scientist Medal-2021, International Society of Environmental Botanists (ISEB), CSIR-NBRI, U.P., India. December 2022.

Young Scientist Start-up Research Grant, for the project sponsored by Science and Engineering Research Board, Govt. of India (SERB, Gol) New Delhi, India. December 2021.

Young Scientist Award, Society for the Science of Climate Change and Sustainable Environment (SSCE), New Delhi, India. December 2020.



Green Talents Award, Green Talents – International Forum for High Potentials in Sustainable Development hosted by German Federal Ministry of Education and Research (BMBF), Germany, 2019.

Outstanding Reviewer Recognition Award for outstanding contribution on reviewing for enhancing the quality of journal, provided by Journal of Cleaner Production, Elsevier, 2018.

NASI-Springer Award at "88th Annual Session of the National Academy of Sciences, India (NASI) and Symposium on Science, Technology and Ecosystem for Sustainable Rural Development", 2018.

Visiting Research Fellow, Center for International Forest Research (CIFOR), Bogor, Indonesia, 2018.

Travel Grants under International Travel Scheme, DST-SERB, Govt. of India, 2017.

2017. Travel Grants under International Travel Scheme, CSIR, Govt. of India,

China, 2017. Visiting Research Fellow, Beijing Normal University (BNU) at Beijing,

Best Oral Presentation Award for research paper at the "Lucknow Science Congress (LUSCON-2015) and National Conference on Science for Society: An Interdisciplinary Approach", organized by BBAU, Lucknow, U.P., India, 2015.

#### Editorial Responsibilities

Academic Editor, PLOS One, PLOS, 2022-

Coordinating Editor, Restoration Ecology, Wiley, 2022-

Editorial Board Member, Anthropocene Science, Springer, 2021-

2020- Associate Editor, Climate Change and Environmental Sustainability,

Guest Editor, Special Issue "'Diverse Forestry Systems for Cleaner Production Towards the Bio-Based Economy and Sustainable Development'" (Land, MDPI), 2022-

Guest Editor, Special Issue "'Restoring Degraded Lands to Attain UN-SDGs II'" (Land, MDPI), 2022-

Guest Associate Editor, Research Topic "'Second-Generation Biofuels: Strategies from Degraded Lands to Industries for Climate Change Mitigation and UN-SDG'" (Frontiers in Energy Research, Frontiers), 2022-

Guest Editor, Special Issue ""Challenges and Opportunities of Global Land Restoration During the UN-Decade on Ecosystem Restoration (2021-2030)"" (Land Degradation & Development, Wiley)

Guest Editor, Special Issue ""Restoring Degraded Lands to Attain UN-SDGs"" (Land, MDPI)

Review Editor, section Bioenergy and Biofuels (Frontiers in Energy Research)

Travel cum training grants

Guest Scientist at Potsdam Institute for Climate Impact Research (PIK), Potsdam, Germany funded by BMBF, Germany, October 20-December 31, 2022.

Center for International Forest Research (CIFOR), Bogor, Indonesia provided travel cum training assistance to carry out work and training at CIFOR, 2018.

Beijing Normal University (BNU), Beijing, China provided research assistance to carry out work at BNU for China and India, 2017.

Department of Science and Technology-Science and Engineering Research Board, Govt. of India (DST-SERB, GoI) New Delhi, India provided International Travel Support to present research in Slovenia, Europe, June 2017."

"1694535757-16","<https://tslas.thapar.edu/faculty/>","Dr. Muskaan Arora

Assistant Professor

Dr. Muskaan Arora

Assistant

Professor","<https://tslas.thapar.edu/facultymaster/61/>","Dr. Muskaan Arora

Assistant Professor

Ph.D in Behavioral Finance

Areas of Interest:

Finance, HR and Behavioral Finance

Papers Published

Arora, M., & Kumari, S. (2015). Risk taking in financial decisions as a function of age, gender: mediating role of loss aversion and regret. *International Journal of Applied Psychology*, 5(4), 83-89.

Arora, M., & Kumari, S. (2015). Self-Esteem as Determinant of Investors 'stock Market Participation: Mediating Role of Risk Preferences and Behavioral Biases. *Psychologia*, 58(3), 115-126.

Arora, M., & Kumari, S.. (2020). Cognitive Abilities, Emotional Intelligence and Financial Decision Making: Mediation By Behavioral Biases. *International Journal of Advanced Science and Technology*, 29(11s), 2941-2955.

Arora, M., Sharma, R., & Mehta, K. (2022). Personality Effects on Financial Responses Caused by the Perceived Financial Threat during the COVID-19 Pandemic. *The Journal of Wealth Management*.

### Book Chapters

Sharma, K. K., Bansal, R., & Arora, M. (2020). 2020 Coronavirus: Pandemic in India. NPA

Bansal, R., Sood, K., & Arora, M. (2021). *Weser Books*.

### Books Published

Arora, M., & Bansal, R. (2022). Impact of Emotional Intelligence and Behavioral Biases on Trading Decisions. In *Handbook of Research on Stock Market Investment Practices and Portfolio Management* (pp. 366-379). IGI Global.

Sharma, R., Arora, M., & Mehta, K. (2022). Psychological Traits and Investors' Cryptocurrency Behavior. In *Handbook of Research on Stock Market Investment Practices and Portfolio Management* (pp. 215-228). IGI Global.

## Conference Presentation

Best Paper Awarded titled “Psychological Determinants of Investment Decision Making: A Mediation Analysis” in the category of International Review of Business Research Papers in Global Business and Social Science Research Conference 23 - 24 February, 2017, Melbourne, Australia.

Attended and Presented paper entitled “The Effect of Age and Gender on Loss Aversion and Regret in financial decision making” in 28th International Congress of Applied Psychology held from 8-13 July 2014 in Paris (France).

Attended National conference entitled “Changing Perspectives and Paradigms of Business and Behavioral Sciences” at Thapar University.

## Testimonial

Dr. Muskaan Arora is working as an Assistant Professor in TSLAS Department of Thapar University. She has 10+ years of working experience in various areas of industry, academics and research. Before joining the current job she worked as financial advisor for 2 years in finance industry and 8 years in top universities and colleges in Punjab. She also worked as Research associate in ICSSR Project at Thapar University. She has attended international conference and her paper is also awarded as best paper in one of the international conferences.. She is also an editor of two derivative books related to Covid 19. Her current job position includes various teaching and administrative related responsibilities in the university. Her keen interest area is doing research and career counselling for the students. She is also a certified mortgage trainer."

"1694535760-17","<https://tslas.thapar.edu/faculty>","DR. DIVYA BHUTIANI

Assistant Professor



DR. DIVYA BHUTIANI

Assistant

Professor";"<https://tslas.thapar.edu/facultymaster/19>";"DR. DIVYA BHUTIANI

Assistant Professor

PhD, ERM Houston, USA

Assistant Professor, LMTSM, Derabassi Campus,  
Thapar Institute of Engineering & Technology, Mohali-140507, Punjab

Areas of Interest:

Organization, Strategy and International Management, Leadership, Sustainability and  
social entrepreneurship

divya.bhutani@outlook.com"

"1694535763-18","https://tslas.thapar.edu/faculty","DR. RUCHIKA JAIN

Assistant Professor

DR. RUCHIKA JAIN

Assistant

Professor","https://tslas.thapar.edu/facultymaster/49","DR. RUCHIKA JAIN

Assistant Professor

Ph.D. in English from HSS, IIT Kanpur.

M.A. English from Ambedkar University, Delhi.

B.Sc. in Multimedia and Animation from PTU

Areas of Interest:

Ramayana Studies, Epics and Mythological Fiction, Alterity and Villainy in Myths,  
Theodicy in Religious Ramayanas, Indian Writing in English, Oral Traditions

ruchika.jain@thapar.edu

Ruchika Jain is an Assistant Professor of Literature and Cultural Studies at the Thapar School of Liberal Arts and Sciences. Her PhD is from Indian Institute of Technology, Kanpur. Her thesis, pioneer research on the mythological character Ravana, correlates the multiplicity and contrast of Ravana's various representations with diverse cultural assimilations, political appropriations, and moral relativity and philosophy, across Indian Ramayanas of the past and the present. It attempts to rethink Ravana's role in the Ramayana tradition and locate him as a cultural symbol that embodies the tradition's qualities of plurality, diversity, and dissent.

In her postgraduation in English at Ambedkar University, Delhi, Ruchika was awarded distinction and double scholarship. Her MA dissertation was on "The Human Condition of Ravana in Jain Ramayana and Asura". She also coordinated a Katha-sponsored project ""Translating India: Understanding Diversity"" with the leadership of Prof. Sukrita Paul Kumar. The project was motivated towards creating active academic discussion on translation and translation studies across colleges and institutes in Delhi NCR.

Ruchika has been volunteering as a teacher with various NGOs for over 8 years and has also worked professionally as an Editor and Digital Artist.

Papers Published

Papers in Journals

Reinterpreting Self and Other through Ramayanas and their Multifaceted Ravana, Refereed web-journal S?hitya, Comparative Literature Association of India (CLAI), Vol. 11 Issue 1, 13-24, June 2023, ISSN 2249 – 6416.

The Becoming of Ravana in A. Neelakantan's novel *Asura*, UGC-care listed and Refereed Journal of Literature and Cultural Studies, Mizoram University, Vol. V, 1, June 2018, 148-158, ISSN 2348 – 1188.

#### Book Chapter

Revisiting Ramayana by Rewriting Ravana: A Study of Amish Tripathi's 'Raavan: Enemy of Aryavarta'. *Mythological Fiction: An Introduction*. Edited by Neena Gupta Viji, Raj Gaurav Verma and Vishakha Sen. Sarup Publishers, New Delhi, 2023. Pp. 71-98.

#### Paper Presentations

Resurgence of the Ramayana: Polarization or Tradition?, National conference of the Popular Culture Association and American Culture Association, Texas, USA, 5-8 April 2023, pp. 125.

A Demon, Human and God: Ravana and the Indian Problem of Evil, Oxford Symposium on Religious Studies, Oxford University, Somerville College, UK, 2-4 December 2019.

Reinterpreting Alterity through Diversity across Ramayanas and their Multifaceted Ravana, International Web-conference on Rethinking Humanities and its Entanglements, Amity Institute of English Studies and Research, Amity University Kolkata, August 5-7 2020, Online.

Speculating the truth of Ramayana: Analyzing Selected Stories from *Breaking the Bow*, International Conference on Literature, Culture, and Society in the Age of Post-Truth,

Indian Association for Commonwealth Literature and Language Studies (IACLALS) and Department of English, Pondicherry University, February 6-8, 2019.

The Making of a Villain- A Comparative Analysis of V. Raghunathan's Duryodhana and A. Neelakantan's Asura, International Seminar on Epic Narrative in World Literature, International Association of Comparative Literature, Society and Culture (IACLSC), Gandhinagar, Gujarat, and IGNC Delhi, 15-16 April 2018. Conference proceedings published by IACLSC 2018, pp. 52.

The Becoming of Ravana in Asura, Research Scholars' Day-Seminar, HSS Department IITK, 2018. Conference Proceedings published by HSS, IITK, pp. 11.

#### Membership of Professional Bodies

Association for the Study of Marginalized Cultures of the World, 2022 onwards

Indian Association for Commonwealth Literature and Language Studies, 2018 onwards

#### Awards and Recognition

Received the Michael and Madonna Marsden Travel Grant worth \$1500 for PCA conference, April 2023.

Academic Merit Scholarships from Ambedkar University Delhi

National Eligibility Test (UGC-2015)"

"1694535766-19","<https://tslas.thapar.edu/faculty>","DR. PULAK AVINASHI

Assistant Professor

DR. PULAK AVINASHI

Assistant

Professor","<https://tslas.thapar.edu/facultymaster/17>","DR. PULAK AVINASHI

Assistant Professor

Institute of Technology, India

PhD in English Literature, Malviya National

Assistant Professor, TSLAS and SHSS, Thapar  
Institute of Engineering & Technology Bhadson Road, Patiala-147004, Punjab

Areas of Interest:

Canadian literature, ELT, Communication skills, TESOL, IELTS

pulak.avinashi@thapar.edu

Pulak's research focuses on interpreting space as a multi-faceted theme of discussion in Canadian literature. She is interested in developing communication competence in potential engineers and future entrepreneurs so that they can communicate in both formal and informal situations. She is a certified TESOL instructor and has enhanced students' communication skills and helped developed clarity and precision in thoughts and ideas for improving their oral and written communication. Pulak has worked in admission and placement procedures by conducting interviews and initiating students' participation in group discussions that have now become an integral part of most business organizations today.

Pulak has impressive teaching experience. She has taught a variety of core Communication courses at affiliated colleges of Guru Gobind Singh Indraprastha University and Bharati Vidyapeeth Deemed University. Then she moved to Amity Institute of English Studies and Research, Amity University where she supervised honours minor and major projects on qualitative research methods, and also taught communication skills at Amity University Tashkent along with designing courses for professional and business communication and mentored UG and PG students.

PUBLICATIONS



## Journal Articles

Pulak Avinashi and Preeti Bhatt, "Re-surfacing of Women Protagonists from Gendered Social Relationships in Alice Munro's 'Floating Bridge'", *Research Journal of English Language and Literature (RJELAL)*. Vol.7 Issue 4 (Oct-Dec). 2019  
ISSN:2395-2636(Print):2321-3108(Online), 120-123. [Link]

Pulak Avinashi and Preeti Bhatt, "The Significance and Impact of a 'House' in Alice Munro's 'The Shining Houses'", *The Criterion: An International Journal in English*, Volume 8, Issue 5, ISSN:0976-8165 (Online) October 2017, 629-35. [Link]

Pulak Avinashi, "Exploring Gothic Realms in Alice Munro's 'Vandals' and 'The Wilderness Station'", *Indo-Indian Journal of Social Science Researches*, Volume 13, Issue 1, April 2017. Print.

## Conference Proceedings

Presented a paper titled, "An Analysis of the Intricate Parent-Child Relationship in Alice Munro's 'Deep Holes'" at International Conference titled in First Pan-NIT Humanities and Social Sciences Research Conclave on the theme 'Exploring Collaborative Research Opportunities in Humanities and Social Sciences- Beyond Boundaries' organized by HSSRC & the Department of Humanities and Social Sciences, National Institute of Technology Warangal held on 10th January 2021.

Presented a paper titled, "Challenges Faced and Strategies Applied for Teaching Language Skills to ESP Classes at University Level" at an International Scientific Online Conference held at Tashkent Pharmaceutical Institute on the theme "Modern Approaches and Challenges of Teaching in ESP Classes" held on 19th December 2020.

Presented a paper titled, “An Intricate Parent-Child Relationship and its Relevance in Literature (In Context to Alice Munro’s Short Story) ” at a five-day International Virtual Web Conference on the theme “Industry 4.0 Scenario: Redefining Language and Literary Studies” 13-17 July, 2020.

Paper accepted at IAFOR “English Language as a Source of Employability and Employment: A Study” Tokyo, Japan on 29th March-1st April 2020.

Presented a paper titled, “An Analysis of Abstract Space of Memories in Alice Munro’s Short Stories” at a two-day National Conference held at Swami Keshvanand Institute of Technology, Management & Gramothan, Jaipur on the theme “Hermeneutics Today: Negotiating Traditional Approaches across Cultures, Literatures and Languages” 24 –25 January, 2020.

Presented a paper titled, “Gender Dichotomy and Mental Violence in Canadian Parenting and its Similarities in Indian Context” at National Seminar, at Shyama Prasad Mukherji College for Women, University of Delhi on the theme “Interrogating Gender: Literature, Law and Society in India” on 9-10th August 2019

Presented a paper titled, “Transformation of the Female Voice: In the Contemporary Indian Cinematic Portrayal of Women” at National Seminar, at the Department of English at Bharati College, University of Delhi on the theme “The Female Voice: The Gaze in the Indian Cinematic Imagination” on 4-5th April 2019

Presented a paper titled “Exploring Gothic Wilderness in Alice Munro’s “Vandals” and “A Wilderness Station” at Research Scholars’ Day ‘17 held at National Institute of Technology Delhi on 9th December 2017 and won the award for second best oral paper presentation.

## Faculty Development Programs:

Certificate of Participation in Faculty Development Programme organized by College of Technology and Engineering, MPUAT, Udaipur and Malaviya National Institute of Technology, Jaipur organized under CRS Project “English Skills for Employability”, TEQIP-III on “Teaching English for Employability and Skill Enhancement” from 17th August, 2020 to 21st August, 2020

Certificate of participation in the webinar on “The Art and Craft of the Short Story” organized by the English Language Teachers' Association of India (ELTAI) on 26 July 2020.

Certificate of Participation in Faculty Development Programme organized by Amity Institute of English Studies and Research on “Learn, Unlearn and Relearn Literature-Teaching with Contemporary Approaches” held on 15-17 June 2020

Certificate of Participation in Faculty Development Programme organized by Amity Institute of Social Sciences in association with Amity Academic Staff College on “Research Methodology in Social Sciences-A Multi-Disciplinary Approach” held on 9-10 June 2020.

Attended a Short-Term Course On “Communication Skills” jointly organized by Department of Humanities and Social Sciences and Department of Computer Science and Engineering in collaboration with National Institute for Technical Teachers Training and Research (NITTTR), Chandigarh held at Malaviya National Institute of Technology, Jaipur from May 14th to 18th, 2018.

Attended an International Conference on “The Present of the Day” held at Indian Institute of Technology organized by Department of Humanities & Social Sciences, IIT Delhi in collaboration with ICSSR and Institut Français, Delhi held on 22-23 January 2018.

Participated in TEQIP sponsored one-week National Workshop on “Latex and Technical Writing” held at Malaviya National Institute of Technology, Jaipur from January 24th to 28th, 2018."

"1694535769-20","<https://tslas.thapar.edu/faculty>","DR. VASUDHA CHOPRA

Assistant Professor

DR. VASUDHA CHOPRA

Assistant

Professor","<https://tslas.thapar.edu/facultymaster/46>","DR. VASUDHA CHOPRA

Assistant Professor

Ph.D. Economics, University of Tennessee, USA

Areas of Interest:

Experimental & Behavioral Economics, Environmental Economics, Organizational Economics

vasudha.chopra@thapar.edu

Vasudha Chopra is an Assistant Professor of Economics at the Thapar School of Liberal Arts and Sciences. She completed her undergraduate degree in Economics from Hansraj College, University of Delhi and her postgraduate studies in Economics at TERI University. She has a Ph.D. in Economics from the University of Tennessee, Knoxville. Her research focuses on using applied microeconomic theory and experimental methods to topics in environmental economics and organizational economics. Besides research, she has also taught several times at the undergraduate level. Whether it is research or teaching, she particularly enjoys working with students. In the past, she has also worked as an assistant policy officer at Vasudha Foundation, an environmental think-tank based in New Delhi. For more details, please visit my webpage: [www.choprav.com](http://www.choprav.com)

PUBLICATIONS

Chopra, Vasudha, and Sukanya Das. "Estimating willingness to pay for wastewater treatment in New Delhi: Contingent valuation approach." *Ecology, Economy and Society-the INSEE Journal* 2, no. 2354-2020-1322 (2019): 75-108.

Goyal, Srishti, and Vasudha Chopra. "TRIAD & BRIC MNEs: Will the Internationalization Strategies Converge?." In The Challenge of Bric Multinationals. Emerald Group Publishing Limited, (2017). pp. 93 – 143.

#### Awards and Recognition

UTK Graduate Teaching Assistantship, University of Tennessee, August 2017 to May 2022

J. Fred and Wilma Holly Graduate Fellowship, University of Tennessee, August 2017 to May 2022

Haslam Doctoral Scholarship, University of Tennessee, August 2017 to May 2022

Charles B. Garrison Award for Excellence in Teaching, Department of Economics, University of Tennessee, 2021

Finalist, Outstanding Doctoral Student Teacher Award, Haslam College of Business, University of Tennessee, 2021

J. Fred and Wilma Holly Award for Excellence in Presented Research,  
University of Tennessee, June 2020

J. Fred and Wilma Holly Award for Best Second year paper, University of  
Tennessee, August 2019

J. Fred and Wilma Holly Award for Best First-Year Graduate Student, University  
of Tennessee, August 2018

CBSE Scholarship for scoring among the top 1% in the Senior School Certificate  
Exam held all over India, 2011"

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Professor

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Development

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Professor

Chair, Research & Faculty Development

at Buffalo, USA

PhD in Economics, State University of New York

Chair, Research and Faculty Development

Professor, TSLAS, Thapar Institute of Engineering & Technology, Bhadson Road,  
Patiala-147004, Punjab

Areas of Interest:

History of Economic Theory

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Ajit Sinha is professor of economics at the Thapar School of Liberal Arts and Sciences. He has a long and varied experience of teaching and research in economics. Ajit started his career as lecturer of economics at University of Delhi in 1982 (Khalsa College and then Sri Ram College of Commerce) and went on to teach economics at State University of New York at Buffalo, York University, Canada and The University of Newcastle, Australia. In 1999, Ajit joined LBS National Academy of Administration at Mussoorie as Professor of Economics and taught there for two years. Since then he has been Professor (and also Director) at Gokhale Institute of Politics and Economics, Maître des Conférences Associé at Collège de France, Paris, Visiting Professor at Indira Gandhi Institute of Development Research in Mumbai, University of Paris 1 (Sorbonne), University of Trento, Italy and Professor at Azim Premji University in Bangalore. Ajit has also been Visiting Fellow at Centre for Development Economics at Delhi School of Economics, Centre for Economic Studies and Planning at JNU, Department of Economics, Bombay University, Honorary Senior Research Fellow at Open University, UK, Elected Life- Long Honorary Research Associate at PHARE (University of Paris 1 Pantheon-Sorbonne) and Visiting Scholar at Faculty of Economics and Politics, University of Cambridge, UK. Ajit has also served as a member of 'Research Institutes Committee' and the National Steering Committee of the Indo-Dutch Programme on Alternatives in Development (IDPAD) of Indian Council for Social Science Research (ICSSR)—he was also a member of the Indian delegation of IDPAD to Amsterdam in 2004. He has been a recipient of a research grant worth US\$ 95,000 from Institute for New Economic Thinking (INET) and Centre for International Governance Innovation (CIGI) to write a book on the Economics of Piero Sraffa.

Ajit has M.A in Economics from Delhi School of Economics, University of Delhi and M.A and Ph.D. in Economics from State University of New York at Buffalo, USA. His main area of research has been the History of Economic Theory, particularly the theories of value and distribution. He has authored three books and edited/co-edited four volumes as well as more than fifty research papers in reputed international journals and edited books and encyclopedias. For the last two decades, he has been exploring the significance of the contribution to economic theory of Piero Sraffa, an outstanding mind of the 20th century economics, who also had a profound impact on the second-half of the 20th century philosophy through his considerable influence on the later philosophy of Ludwig Wittgenstein.

## PUBLICATIONS

### Books

Essays on Theories of Value in the Classical Tradition, Palgrave Macmillan, 2019, pp. 450.

A Revolution in Economic Theory: The Economics of Piero Sraffa, Palgrave Macmillan, 2016, pp. 253.

Theories of Value from Adam Smith to Piero Sraffa, Routledge, 2010, pp. 370+. Second edition with an 'Afterword', 2018.

#### Edited Books

A Reflection on Sraffa's Revolution in Economic Theory, Palgrave Macmillan, 2020 (forthcoming). [The collection carries papers by leading economists such as G.C. Harcourt, Anna Carabelli, Carlo Panico, Ghislain Deleplace, Guglielmo Chiodi, Annalisa Rosselli, John Davis, Kumaraswamy Velupillai and others].

Pluralistic Economics and its History, co-edited with Alex Thomas, Routledge, 2019. [The collection carries papers by some leading economists such as G.C. Harcourt, Meghnad Desai, John King, Cristina Marcuzzo, Roberto Scazzrieri, C.T. Kurien, K.L. Krishna, Anjan Mukherjee and others].

Economic Development, Climatic Change and the Environment, co-edited with Siddhartha Mitra, Routledge, 2006, pp. 233, hb. [The collection carries papers by some leading environmental economists such as Roger Guesnerie, Jean-Charles Hourcade, Ngo Van Long, Barkley Rosser Jr. and others].

Encyclopedia of Political Economy, vols. 1 & 2, Member editorial Board, Routledge, 1999.

Latest Development in Marxist Theory-A Special Issue of Research in Political Economy, Volume 15, co-edited with Paul Zarembka, 1996, JAI Press, pp. 315. [The collection carries papers by some leading political economists such as Claudio Napoleoni, Giorgio Lunghini, Augusto Graziani and others].

### Journal Articles

'Sraffa on non-self replacing systems': A Comment, Cambridge Journal of Economics (Forthcoming).

'A Comment on "The Sraffian Methodenstreit and the revolution in economic theory"', Cambridge Journal of Economics, vol.44, 2020, pp. 247-49.

'A Response to "On Sinha's View of Sraffa's Revolution in Economic Theory"', Review of Political Economy, vol. 32, 2020, pp. 444-449.

'A Comment on Sraffa's "Classical Economics"', Cambridge Journal of Economics, 41(2), 2017, pp. 661-677.

'A Reflection on the Samuelson-Garegnani Debate', Economic Thought, 4(2), 2015, pp. 48-67.

'Sraffa's Contribution to the Methodology of Economics', Journal of Interdisciplinary Economics. 27(1), 2015, pp. 33-48.

'On Marx's law of the falling rate of profit: disentangling some entangled variables', *Review of Radical Political Economics*, 46(2), 2014, pp. 184-89.

'The New Interpretation of Sraffa's Prices: A Response to Heinz Kurz', *Cambridge Journal of Economics*, 37(6), 2013, pp. 1449-1453.

'Listen to Sraffa's Silences: A New Interpretation of Sraffa's Production of Commodities', *Cambridge Journal of Economics*, 36(6), 2012, pp. 1323-1339.

'A Response to Angelo Reati', *Review of Radical Political Economics*, vol. 44(3), 2012, pp. 401-402.

'Celebrating 50 years of Sraffa's Production of Commodities by Means of Commodities', *Economic and Political Weekly*, Vol. XLV, No. 42, October 16, 2010, pp. 61-65.

'In Defence of Adam Smith's Theory of Value'. *European Journal of the History of Economic Thought*, vol. 17(1), March 2010, pp. 29-48.

'A Note on Ricardo's Invariable Measure of Value'. *Cahiers d'économie politique*, N° 58, 2010, pp. 133-144.

'A Sraffian Critique of the Classical Notion of the Centre of Gravitation' (with M-S Dupertuis). *Cambridge Journal of Economics*, 33(6), 2009, pp. 1065-1087.

'Reading A.K. Dasgupta': A review article of *Collected Works of A.K. Dasgupta* vols. 1-3, OUP, *Journal of Quantitative Economics*, 7(1), 2009, pp. 3-22.

'Sraffa's System: Equal Rate of Profits and the Notion of Centre of Gravitation' (with M-S Dupertuis). *Journal of Economic Behavior and Organization*, 71, 2009, pp. 495-501.

'Existence of the Standard system in the multiple production case: A solution to the Manara problem' (with M-S Dupertuis). *Metroeconomica*, vol. 60(3), 2009, pp. 432-454.

'Sraffa and the Question of Equilibrium' (with M.-S.Dupertuis). *Cahiers d'économie politique*, 2009, N° 56, pp. 91-100.

'Sraffa and the Later Wittgenstein', *Contributions to Political Economy*, Vol. 28, 2009, pp. 47-69.

'Is it meaningful to talk of price changes in a regime of technical change?' (with Paul Cockshott). *Review of Political Economy*, July 2008, 393-403.

'Sraffa and the Assumption of Constant Returns to Scale: A Critique of Samuelson and Etula'. *Contributions to Political Economy*, Vol. 26, 2007, 61-70.

'A Comment on Sen's "Sraffa, Wittgenstein, and Gramsci"', *Journal of Economic Behavior and Organization*, vol. 61, 2006, 504-512.

'Some Critical Comments on de Vivo's Interpretation of Sraffa's Path to Production of Commodities', *Contributions to Political Economy*, vol. 25, 2006, 83-89.

'Minimum Income Entitlement', *Economic and Political Weekly*, Vol. XL, No. 27, 2005, pp. 2896-2899.

'Trends in India's GDP Growth Rate: Some Comments', (with Shirin Tejani) *Economic and Political Weekly*, Vol. XXXIX, No. 25, 2004, 5634-5639.

'Celebrating Twenty Volumes of Research in Political Economy', *Science and Society* 68 (1), 2004, 90-92.

'Reading Sraffa: Philosophical Underpinnings of Production of Commodities by Means of Commodities', *Idea (Electronic Journal)*, 2002, 33pp.

'Understanding the Transformation Problem: Is the Standard Commodity a Solution?', *Review of Radical Political Economics*, 32(2), 2000, pp. 265-281.

'Hollander's "Marx and Malthusianism": A Critique', *History of Economics Review*, No. 28, Summer 1998, pp. 104-112.

'The Transformation Problem: A Critique of the "New Solution"', *Review of Radical Political Economics*, vol. 29, No. 3, 1997, pp. 50-58.

'Productive/Unproductive Labour: A note on Marx's critique of Adam Smith', *History of Economics Review*, No. 26, Winter-Summer 1997, pp. 125-130.

'A Critique of Part One of Capital Vol. 1: The Value Controversy revisited', *Research in Political Economy* Vol. 15, 1996, pp. 195-222.

'The Concept of Value in Marx-A Reinterpretation', *Research in Political Economy*, Vol. 12, 1990, pp. 41-79.

#### Publications in Encyclopedias and Edited Books

'Interpreting the Nature of Sraffa's Equations: A Critique of Garegnani's Interpretation' in *A Reflection on Sraffa's Revolution in Economic Theory*, Palgrave Macmillan, (forthcoming).

'Corn Model, Subsistence Economy and the Empirical Economy' in Keynesian, Sraffian, Computable & Dynamic Economics: Theoretical & Simulational (Numerical) Approaches, (ed.) K. Velupillai, London: Palgrave Macmillan (Forthcoming).

'A Reply to Professor Schefold' in A Reflection on Sraffa's Revolution in Economic Theory, Palgrave Macmillan, (forthcoming).

'A Comment on Scazzieri's "On Sraffa's Structuralism"' in A Reflection on Sraffa's Revolution in Economic Theory, Palgrave Macmillan, (forthcoming).

'A Comment on Marcuzzo and Rosselli's "Sraffa's Challenge to Causality in Economics"' in A Reflection on Sraffa's Revolution in Economic Theory, Palgrave Macmillan, (forthcoming).

"'The Meaning of Sraffa Prices'—A Comment' in A Reflection on Sraffa's Revolution in Economic Theory, Palgrave Macmillan, (forthcoming).

'A Reflection on John Davis's Comments' in A Reflection on Sraffa's Revolution in Economic Theory, Palgrave Macmillan, (forthcoming).

'A Rejoinder to "Why Sraffa was right not to publish his last article"' (co-author, Yoann Verger) Comment' in A Reflection on Sraffa's Revolution in Economic Theory, Palgrave Macmillan, (forthcoming).

'Marx's Metaphysics of Human Labour in the Light of Sraffa: Labour Theory of Value Reconsidered', in Karl Marx's Life, Ideas and Influences: A Critical Examination on the Bicentenary, Palgrave Macmillan, 2019.

'Introduction' in Pluralistic Economics and its History, (eds.) Ajit Sinha and Alex Thomas, Routledge, 2019.

'From "Change" to "Difference": Sraffa's Reinterpretation of Classical Economics' in *Pluralistic Economics and its History*, (eds.) Ajit Sinha and Alex Thomas, Routledge, 2019.

'Political Economics of Economic Value', *The Palgrave Handbook of Political Economy*, Palgrave, 2018.

'Heterodox Theories of Value: A Brief History', *The Routledge Handbook of Heterodox Economics*, Routledge, 2017.

'A New Perspective on Sraffa' in *Towards a New Understanding of Sraffa: Insights from Archival Research* (eds.) Riccardo Bellofiore and Scott Carter, Palgrave, 2014, pp. 81-93.

'A Response to Comments by Professor Salanti' in *Towards a New Understanding of Sraffa: Insights from Archival Research* (eds.) Riccardo Bellofiore and Scott Carter, Palgrave, 2014, pp. 130-32.

'On the Notion of Equilibrium and the Gravitation Mechanism' in *The Oxford Handbook of Post-Keynesian Economics vol.1*, (eds.) G.C. Harcourt and Peter Kriesler, New York: Oxford University Press, 2013, pp. 101-122.

'Introduction' (with Siddhartha Mitra), *Economic Development, Climatic Change and the Environment*, (Sinha and Mitra eds.), Routledge, 2006, 9-21.

'Some Critical Reflections on Marx's Theory of Value', in *Value and the World Economy Today*, (eds.) R. Westra and A. Zuege, Palgrave, 2003, 171-188.

'Transformation Problem', *Readers Guide to Social Sciences*, (ed.) Jonathan Michie, Fitzroy Dearborn Publishers: London, 2001. Also reprinted in *Encyclopedia of Social Sciences* (2002) by the same publisher.



'Labour Theory of Value', Readers Guide to Social Sciences, (ed.) Jonathan Michie, Fitzroy Dearborn Publishers: London, 2001. Also reprinted in Encyclopedia of Social Sciences (2002) by the same publisher.

'Surplus Approach Economics', Encyclopedia of Political Economy, (ed.) Phil O'Hara, Routledge: London, 1999.

'Transformation Problem', Encyclopedia of Political Economy, (ed.) Phil O'Hara, Routledge: London, 1999.

#### Book Reviews

Salvadori, N. 2021. Ricardo's theory of growth and accumulation: a modern view, *The European Journal of the History of Economic Thought*. [Link]

Banerjee, A.V. and Esther Duflo. 2011. Poor Economics: A Radical Rethinking of the Way to Fight Global Poverty, *Economic and Political Weekly*, Vol. XLVI (52), December 24, 2011, pp. 33-35.

Hollander, Samuel. 2008. The Economics of Marx, *Review of Radical Political Economics*, 42(4), 2010, pp. 560-64.

Kliman, A. 2007. Reclaiming Marx's "Capital", *Review of Radical Political Economics*, 41(3), 2009, pp. 422-27.

Philip Arestis, Gabriel Palma, and Malcolm Sawyer (eds.) 1997. Capital Controversy, Post-Keynesian Economics and the History of Economics: Essays in Honor of G.C. Harcourt vol. 1. Review of Radical Political Economics, 37(1), 2005, pp. 97-100.

Mongioli, G. and F. Petri (eds.) 1999, Value, Distribution, and Capital: Essays in Honor of Pierangelo Garegnani. Review of Radical Political Economics, 34(4), 2002, pp. 499-503.

Lapides, K. 1998. Marx's Wage Theory in Historical Perspective. Review of Radical Political Economics, 33(2), 2001, pp. 237-241.

Wood, E.M. & J.B. Foster (eds.) 1997. In Defense of History. Review of Radical Political Economics, 31(3), 1999, pp. 127-133."

"1694535775-22","https://tslas.thapar.edu/faculty","DR. Anuj Kumar Shukla

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Assistant

Professor","https://tslas.thapar.edu/facultymaster/35","DR. Anuj Kumar Shukla

Assistant Professor

M.A. Psychology, Banaras Hindu University, India

Hyderabad, India

M.Phil. Cognitive Science, University of

Ph.D. Cognitive Science, IIT-Hyderabad, India

Areas of Interest:

Motor Sequence Learning, Time Perception

anuj.shukla@thapar.edu

### Papers Published

Shukla, A., & Bapi, R. S. (2021). Attention mediates the influence of numerical magnitude on temporal processing. *Scientific Reports*, 11(1), 1-10.

Bera, K., Shukla, A., & Bapi, R. S. (2021) Cognitive and Motor Learning in Internally-Guided Motor Skills. *Front. Psychol.* 12:604323. doi: 10.3389/fpsyg.2021.604323

Bera, K., Shukla, A., & Bapi, R. S. (2021) Motor Chunking in Internally Guided Sequencing. *Brain Sciences*, 11(3), 292.

Shukla A & Bapi RS (2021) Numerical Magnitude Affects Accuracy but Not Precision of Temporal Judgments. *Front. Hum. Neurosci.* 14:629702. doi: 10.3389/fnhum.2020.629702

Kummetha, S., Kaushik, P. S., Shukla, A. K., & Surampudi, B. R. (2018). Experimental And Computational Investigation of the Effects of Variable RSI on Sequence Learning, Conference on Cognitive Computational Neuroscience (CCN), 5-8 September 2018, Philadelphia, Pennsylvania. <https://doi.org/10.32470/CCN.2018.1129-0>

Remya Sankar, Anuj Shukla and Raju S. Bapi (2017) Experimental and Computational Investigation of the Effect of Caffeine on Human Time Perception, Proceedings of the 39th Annual Meeting of the Cognitive Science Society, CogSci 2017, London, UK, 16-29 July 2017

Savalia T, Shukla A and Bapi RS (2016) A Unified Theoretical Framework for Cognitive Sequencing. *Front. Psychol.* 7:1821.

Mehrota, S., Shukla, A, & Roy, D.(2016) Neurophysiological Investigation of Context Modulation based on Musical Stimulus. *ICMPC, 2016.* 243-246

Wutz A, Shukla A, Bapi RS, Melcher D (2015) Expansion and Compression of Time Correlate with Information Processing in an Enumeration Task. *PLoS ONE* 10(8):

Alladi S, Bak TH, Duggirala V, Surampudi B, Shailaja M, Shukla AK, Chaudhuri JR, Kaul S. (2013) Bilingualism delays age of onset of dementia, independent of education and immigration status. *Neurology.* 26;81(22):1938-44.

Testimonial

Awards and Recognition

Received Travel Grant to attend the 3rd International Convention of Psychological Sciences (ICPS) from March 7-9, 2019, at Paris, France

Received Travel Grant to attend European Conference on Visual Perception (ECVP)-2018 from August 26–30, 2018 Trieste, Italy

Received The Society for Education, Music and Psychology Research (Sempre) Travel Award to attend ESCOM-2018 from July 23-28, 2018, at University of Graz, Austria

Received The Society for Education, Music and Psychology Research (Sempre) Travel Award to attend ESCOM-2017 from JULY 31 – AUGUST 4, 2017, at University of Ghent, Belgium

Received Travel Grant to attend the International Convention of Psychological Sciences from March 23-25, 2017, at Vienna, Austria

Received Travel Grant to present a talk a symposium Time in Tokyo from October 11-12, 2016, at University of Tokyo, Japan

Received Fellowship Under the Indo-Trento Program of Advance Research-to pursue research Work at CiMec, University of Trento, Italy from January 2013- July 2013"

"1694535778-23","https://tulas.thapar.edu/faculty","DR. RAJIV SARIN

Professor

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Professor

USA

PhD in Economics from University of California,

Professor, TSLAS, Thapar Institute of  
Engineering & Technology, Bhadson Road, Patiala-147004, Punjab

Areas of Interest:

Economics, behavioural economics, behavioural decision theory and behavioural game theory

[rajiv.sarin@thapar.edu](mailto:rajiv.sarin@thapar.edu)

Rajiv Sarin received his PhD in economics in 1994 from the University of California, San Diego. He joined Texas A&M University as an assistant professor in 1994. In 2000 he was promoted to an associate professor with tenure. He was promoted to full professor in 2006 and held the Elton Lewis faculty fellow of Liberal Arts from 2006 to 2010. In 2010 he became

the Alfred F. Chalk Professor of Economics at Texas A&M University. He moved to the University of Birmingham in 2011 and in 2013 he moved to the University of Exeter. In 2021 he moved to Thapar School of Liberal Arts and Sciences.

Most of Rajiv's theoretical work has been at the intersection of economics and psychology, an area that has come to be called behavioural economics. He has contributed to models of behavioural decision theory and behavioural game theory. His work focuses on individuals who do not have much information about the environment. He has modelled such individuals as having simplified beliefs, if any, about their environment. He has paid particular attention to how such people learn and what behaviour they converge to in the long run steady state. Amongst the learning models he has studied and extended are reinforcement learning models. His work shows the close relation between these models and those studied in evolutionary game theory and models of risk aversion in expected utility theory.

Rajiv has a keen interest in economic experiments. He began with seeing how some of the models he had developed explained experimental data gathered by others. He has, since, been running experiments on auctions, contests, decision making and reputation.

He has published his research in many journals, including the American Economic Review, Econometrica, Economic Journal, Games and Economic Behaviour, International Economic Review and Journal of Economic Theory. Some of his research has been funded by the National Science Foundation.



Over 10 students have completed their PhD under his supervision. Some of them hold positions in top international research universities while some have positions in central banks.

Rajiv has taught various PhD level courses in the US and UK and taught Master's level in the UK and at the undergraduate level in India, US and UK

## PUBLICATIONS

“Learning and Risk Aversion,” with Carlos Oyarzun, *Journal of Economic Theory*, forthcoming.

“Learning Mean–Variance Preferences,” with Carlos Oyarzun, *Games and Economic Behavior*, forthcoming.

“Is Reputation Good or Bad: An Experiment,” with Brit Grosskopf, *American Economic Review*, 100, (December 2010): 2187–2204.

“Generalized Contest Success Functions,” with Birendra Rai, *Economic Theory*, 40 (2009), 139–149.

“Players with Limited Memory,” with Steffen Huck, *Contributions to Theoretical Economics*, 4 (2004), article 6. 1

“Strategy Similarity and Coordination,” with Farshid Vahid, *Economic Journal*, 114 (2004), 506–527.

“Expedient and Monotone Learning Rules,” with Tilman Börgers and Antonio Morales, *Econometrica*, 72 (2004), 383–405.

“Predicting How People Play Games: A Simple Dynamic Model of Choice,” with Farshid Vahid, *Games and Economic Behavior*, 34 (2001), 104–122.

“Naive Reinforcement Learning with Endogenous Aspirations,” with Tilman Börgers, *International Economic Review*, 41 (2000), 921–950.

“Continuous Approximations of Stochastic Evolutionary Game Dynamics,” with Valentina Corradi, *Journal of Economic Theory*, 94 (2000), 163–191. Corrigendum:  
<http://www.nyu.edu/jet/suppl/2596.erratum.pdf>

“Decision Rules with Bounded Memory,” *Journal of Economic Theory*, 90 (2000), 151–160.

“Simple Play in the Prisoner’s Dilemma,” *Journal of Economic Behavior and Organization*, 40 (1999), 105–113.

“Payoff Assessments without Probabilities: A Simple Dynamic Model of Choice,” with Farshid Vahid, *Games and Economic Behavior*, 28 (1999), 294–309.

“Learning Through Reinforcement and Replicator Dynamics,” with Tilman Börgers, *Journal of Economic Theory*, 77 (1997), 1–14.”

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Professor", "<https://tslas.thapar.edu/facultymaster/55>", DR. SARIKA ALREJA

Assistant Professor

Ph.D. in Clinical Psychology

Ranchi Institute of Neuropsychiatry and Allied  
Sciences (RINPAS), Ranchi

Areas of Interest:

Clinical Psychology, Child Psychology, Psychodiagnostics, Cognitive Behavior Therapy  
and Neuropsychological Rehabilitation

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Dr. Sarika began her career as a clinical psychologist at the Ranchi Institute of Neuro-psychiatry and Allied Sciences in Ranchi, Jharkhand. She received formal training in treating organic mental and behavioural disorders across different age groups, which culminated in a Ph.D. where she examined the efficacy of a self-developed paradigm of cognitive behaviour therapy for individuals with obsessive, but not clinically compulsive, behaviours. In addition to her work in clinical psychology, Dr. Sarika has also gained valuable experience in the fields of defence and education. Her diverse experience across multiple domains has provided her with a well-rounded perspective in her work.

#### PUBLICATIONS

Alreja, S., Mishra, D. K., Varghese, M.M., Sengar, K.S. & Singh, A. R. (2009). SIS-II Profile of Mentally Retarded Children. SIS Journal of Projective Psychology & Mental Health. Vol. 16 (1): 51-54.

Alreja, S., Mishra, D. K., Sengar, K. S., Singh, A. R & Chaudhury, S. (2009). SIS-II Profile of Medical Practitioners. SIS Journal of Projective Psychology & Mental Health. Vol. 16 (2): 178-179.

Mishra, D. K., Alreja, S., Sengar, K.S. & Singh, A. R. (2009). Insight and its relationship with stigma in psychiatric patients .Industrial Psychiatry Journal, Vol. 18 (1) 39-42.

Mishra, D. K., Alreja, S., Varghese, M. M., Jahan, M., & Singh, A. R. (2009). Cognitive symptoms in bipolar affective disorder-current episode mania. Indian Journal of Clinical Psychology, No. 36(2), 46-53.

Alreja, S., Varhgese, M. M., & Chaudhuri, S. (2009). Community Mental Health: Indian scenario. RINPAS Seminars, Vol. 1 (1), 190-204.

Alreja, S., Ram, R. K., & Jai Prakash. (2009). Cognitive behavior therapy of Anxiety disorders. RINPAS Seminars, Vol. 1 (2), 104-130.

Alreja, S., Kumari, S., & Chaudhuri, S. (2009). Headache-etiology and psychosocial management. RINPAS Seminars, Vol. 1 (2), 131-144.

Alreja, S., Bhattacharya, A., & Jahan, M. (2009). Cognitive behavioural management for delusions and hallucinations. RINPAS Seminars, Vol. 1 (2), 211-231.

Mishra, D. K., Alreja, S., Jahan. M., & Singh, A. R. (2010). SIS II profile of epileptic patients. SIS Journal of Projective Psychology & Mental Health, 17 (2), 187-191.

Mishra, D. K., Alreja, S., Jahan, M., & Singh, A. R. (2010). Concurrent Validity of the 22-Items and 15-Items Screening Tests from LNNB-I with the Screening Test for the Luria-Nebraska Neuropsychological Battery: Adult form. Indian Journal of Clinical Psychology, 37(2), 40-48.

Chaudhary, S., Murthy, P.S., Banerjee, A., Kumari, D., & Alreja, S. (2011). Poly trauma Survivors: Assessment using rating scales and SIS-II. SIS Journal of Projective Psychology & Mental Health, 18 (1), 39-49.

S. K. Yadav, S. Alreja, K. S. Sengar & Singh, A. R. (2011). Cognitive Flexibility in Patients with Bipolar Affective Disorder: Current Episode Mania, *SIS Journal of Projective Psychology & Mental Health*, 18 (2), 200-205.

Alreja, S., Kumar, A., & Kenswar, D. K. (2010). Current status of Psychoanalysis, *RINPAS Seminars*, Vol. 2 (2), 470-487.

Alreja, S., Mishra, D. K., Sengar, K. S., Singh, A. R. (2011). A Study of Emotional Intelligence of Cases with Substance Dependence, *Eastern Journal of Psychiatry*, 14, 1-2, 15-19.

Gupta, A., Mishra, Nishi., Alreja, S., & Prakash, O. (2013). Effect of Raj Yoga Meditation on Affective and Cognitive Functions, *International Journal of Health Sciences and Research*, 3(2), 38-46.

Sharma, N., Prakash, O., Alreja, S., Sengar, K. S., & Singh, A. R. (2015). Rehabilitation of Fine Motor Coordination of individuals with Chronic Alcohol Dependence, *The International Journal of Indian Psychology*, 3(1), 23-34.

Mishra, D., Alreja, S., Tiwari, M., & Kaur, R. (2015). Gender differences in Psychological attributes and their relationship with Hockey performance as perceived by Coaches. *Sports Research*, 4(2), 13-18.

Mishra, D., Alreja, S., Tiwari, S. N., & Gupta, M. (2019). Gender differences in the levels of and relationship between Competitive State Anxiety and Reaction Time for Hockey Players. *Sports Research*, 8(2), 33-44.

Mishra, D., Alreja, S., Tiwari, S. N., & Gupta, M. (2019). A Correlational study of emotional intelligence, cognitive flexibility and psychological performance in sports. *Sports Research*, 8(3), 22-35.

Started career as a professional of Clinical Psychology at Ranchi Institute of Neuro-psychiatry and Allied Sciences, Ranchi, Jharkhand, which included a formal training in handling etiologically organic as well behavioral disorders across different age groups. This culminated into a Ph.D. examining efficacy of a self-developed paradigm of Cognitive Behavior therapy for obsessive but not clinically compulsive individuals. An independent practice later in the domains of Health, Defense and Education helped in developing a deeper understanding of the not so psychiatric but nevertheless very urgent initials of trends to be focused on with changing times.

#### Awards and Recognition

Life Member, Somatic Inkblot Society; International.

Life Fellow, Association of Industrial Psychiatry; India.

Life Associate Member, Indian Psychiatric Society."

"1694535784-25";"<https://tslas.thapar.edu/faculty>";"DR. SANDEEP GOYAL

Associate Professor

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Professor";"<https://tslas.thapar.edu/facultymaster/22>";"DR. SANDEEP GOYAL

Associate Professor

Development Institute, Gurgaon, India

PhD, Social Entrepreneurship, Management

Assistant Professor, LMTSM, Derabassi Campus,  
Thapar Institute of Engineering & Technology, Mohali-140507, Punjab

Areas of Interest:

Business Analytics and Data Science

[sandeep.goyal@thapar.edu](mailto:sandeep.goyal@thapar.edu)



I always strive to sensitize my students in developing a humane aspect towards the needs of the underserved population in India besides honing their management and entrepreneurial skills. Life is all about making choices and ideal choices are those which create a balance between economic gains and social or environmental impact

## Publications

### BOOK

Goyal, S., & Sergi, B. S. (2020). Towards a Theory of "" Smart"" Social Infrastructures at Base of the Pyramid: A Study of India. Cambridge University Press. ISBN (online): 978-1-10-879480-0. DOI: <https://doi.org/10.1017/9781108882170>

### BOOK CHAPTERS/CASE

Goyal S., Chauhan S., Kapoor A. (2020) Understanding the Challenges in the Research and Innovation Ecosystem in India. In: Popkova E., Sergi B. (eds) The 21st Century from the Positions of Modern Science: Intellectual, Digital and Innovative Aspects. ISC 2019. Lecture Notes in Networks and Systems, vol 91. Springer, Cham. ISBN (online): 978-3-030-32015-7. ISBN (print): 978-3-030-32014-0. DOI: [https://doi.org/10.1007/978-3-030-32015-7\\_76](https://doi.org/10.1007/978-3-030-32015-7_76)

Goyal S. (2020) Reducing Waste in Circular Economy. In: Hashmi, S., Choudhury, I.A. (eds) Encyclopedia of Renewable and Sustainable Materials, Vol 5. Elsevier. ISBN: 978-0-12-813196-1. DOI: <https://doi.org/10.1016/B978-0-12-803581-8.11503-6>

## TEACHING CASES

Goyal, S. and Kapoor, A. (2018). GNFC Neem Project: The Ecosystem of Shared Value. Richard Ivey School of Business. Available at:  
<https://hbr.org/product/gnfc-neem-project-the-ecosystem-of-shared-value/W18245-PDF-ENG>;  
<https://www.iveycases.com/ProductView.aspx?id=95019>

Goyal, S., Kapoor, A. and Aulbur, W. (2017). JSW Steel: Shared Value at Vijayanagar Steel Plant. Richard Ivey School of Business. Available at:  
<https://cb.hbsp.harvard.edu/cbmp/product/W17288-PDF-ENG>;  
<https://www.iveycases.com/ProductView.aspx?id=85261>

Goyal, S. and Kapoor, A. (2016). Apollo Gleneagles Hospitals: The Next Steps for Growth. Richard Ivey School of Business. Available at:  
<https://www.iveycases.com/ProductView.aspx?id=81761>;  
<https://cb.hbsp.harvard.edu/cbmp/product/W16778-PDF-ENG>

Goyal, S. and Kapoor, A. (2015). VisionSpring in India: Enabling Affordable Eyeglasses for the Poor. Richard Ivey School of Business. Available at:  
<https://www.iveycases.com/ProductView.aspx?id=68925> ;  
<https://hbr.org/product/visionspring-in-india-enabling-affordable-eyeglasses-for-the-poor/W14767-PDF-ENG>

Goyal, S., Kapoor, A. and Gupta, R. (2014). Boond: Enabling Access to Energy Solutions for Rural India. Richard Ivey School of Business. Available at:  
<https://www.iveycases.com/ProductView.aspx?id=64526>

Goyal, S. and Kapoor, A. (2014). Diversify in India: The Growth Challenges and Options. Richard Ivey School of Business. Available at:  
<https://www.iveycases.com/ProductView.aspx?id=60615>;  
[http://cb.hbsp.harvard.edu/cb/web/product\\_detail.seam?E=4897555&R=W13559-PDF-ENG&conversationId=2581435](http://cb.hbsp.harvard.edu/cb/web/product_detail.seam?E=4897555&R=W13559-PDF-ENG&conversationId=2581435)

Goyal, S., Kapoor, A. and Jaiswal, M.P. (2013). redBus: The Next Step For Growth. Richard Ivey School of Business. Available at:  
<https://www.iveycases.com/ProductView.aspx?id=58004>;  
[http://cb.hbsp.harvard.edu/cb/web/product\\_detail.seam?E=4800164&R=W13193-PDF-ENG&conversationId=1101451](http://cb.hbsp.harvard.edu/cb/web/product_detail.seam?E=4800164&R=W13193-PDF-ENG&conversationId=1101451)

Goyal, S. and Kapoor, A. (2011). Halonix Limited – The Product Portfolio Dilemma. Emerald Emerging Markets Case Studies, 1(1), 1-14. The main theme of the case was to analyze the product portfolio strategy. Available at:  
<http://www.emeraldinsight.com/10.1108/2045062111131020>

#### JOURNAL PUBLICATIONS

Chauhan, S., Goyal, S., Gupta, P., Jaiswal, M., & Mehta, N. (2020). An empirical investigation of determinants for adoption of C2C auction marketplaces. *Int. J. Business Information Systems* (Forthcoming 2020) (ABDC 2019 Rank C).

Goyal, S., Kapoor, A., & Sergi, B. (2020). Empowering Rural Women through Shared Value Approach Study of GNFC Neem Project in India. *World Review of Entrepreneurship, Management and Sustainable Development* (Forthcoming 2020) (Scopus Indexed). <https://www.inderscience.com/info/ingeneral/forthcoming.php?jcode=WREMSD>

Goyal, S., Sergi, B. S., & Esposito, M. (2019). Literature review of emerging trends and future directions of e-commerce in global business landscape. *World Review of Entrepreneurship, Management and Sustainable Development*, 15(1-2), 226-255. (Scopus Indexed). <https://doi.org/10.1504/WREMSD.2019.098454>

Chauhan, S., & Goyal, S. (2018). Platform ecosystems: the expert opinion. *Journal of Information Technology Case and Application Research*, 20(2), 86-89. (ABDC 2019 Rank C). <https://doi.org/10.1080/15228053.2018.1477284>

Goyal, S., Sergi, B. S., & Esposito, M. (2018). Business development services for micro, small and medium enterprises—literature review of past trends and future directions. *World Review of Entrepreneurship, Management and Sustainable Development*, 14(3), 312-332. (Scopus Indexed).

Goyal, S., Kapoor, A., Esposito, M., & Sergi, B. S. (2017). Understanding business model-literature review of concept and trends. *International Journal of Competitiveness*, 1(2), 99-118.

Goyal, S., Esposito, M., & Kapoor, A. (2018). Circular economy business models in developing economies: lessons from India on reduce, recycle, and reuse paradigms. *Thunderbird International Business Review*, 60(5), 729-740. <https://doi.org/10.1002/tie.21883> (ABDC 2019 Rank B).

Agarwal, N., Chauhan, S., Kar, A. K., & Goyal, S. (2017). Role of human behaviour attributes in mobile crowd sensing: a systematic literature review. *Digital Policy, Regulation and Governance*, 19(2), 56-73. <https://doi.org/10.1108/DPRG-05-2016-0023> (ABDC 2019 Rank B).

Goyal, S., Sergi, B. S., & Kapoor, A. (2017). Emerging role of for-profit social enterprises at the base of the pyramid: the case of Selco. *Journal of Management Development*, 36(1), 97-108. <https://doi.org/10.1108/JMD-05-2015-0070> (ABDC 2019 Rank C).

Goyal, S., Sergi, B. S., & Kapoor, A. (2017). Evaluating the BDS Providers and MSMEs: Challenges and Strategic Actions. *The European Journal of Development Research*, 29(4), 725-744. <https://doi.org/10.1057/s41287-016-0058-z> (ABDC 2019 Rank B).

Goyal, S., Sergi, B. S., & Jaiswal, M. P. (2016). Understanding the challenges and strategic actions of social entrepreneurship at base of the pyramid. *Management Decision*, 54(2), 418-440. DOI: <http://dx.doi.org/10.1108/MD-11-2014-0662> (ABDC 2019 Rank B).

Goyal, S., & Sergi, B. S. (2015). Understanding the Business Models of Social Hybrids-10p's Framework for Challenges and Actions. *Journal of Finance & Risk Perspectives*, 4(4), 41-62.

Goyal, S., McCord, M., & Kapoor, A. (2017). Transforming business models in fast?emerging markets—lessons from India. *Thunderbird International Business Review*, 59(1), 23-32. DOI:<https://doi.org/10.1002/tie.21750> (ABDC 2019 Rank B).

Goyal, S., & Sergi, B. S. (2015). Creating a formal market ecosystem for base of the pyramid markets-strategic choices for social embeddedness. *International Journal of Business and Globalisation*, 15(1), 63-80. DOI: <https://doi.org/10.1504/IJBG.2015.070224> (Scopus Indexed).

Goyal, S., & Sergi, B. S. (2015). Social Entrepreneurship and Sustainability--Understanding the Context and Key Characteristics. *Journal of Security & Sustainability Issues*, 4(3), 269-278 (Scopus Indexed).

Goyal, S., Sergi, B. S., & Jaiswal, M. (2015). How to design and implement social business models for base-of-the-pyramid (BoP) markets? *The European Journal of Development Research*, 27(5), 850-867 (ABDC 2019 Rank B).

Goyal, S., Sergi, B. S., & Kapoor, A. (2014). Understanding the key characteristics of an embedded business model for the base of the pyramid markets. *Economics & Sociology*, 7(4), 26-40. DOI: 10.14254/2071- 789X.2014/7-4/2 (Indexed in Scopus and Thomson Reuters Emerging Sources Citation Index).

Goyal, S., Esposito, M., Kapoor, A., Jaiswal, M. P., & Sergi, B. S. (2014). Linking up: inclusive business models for access to energy solutions at base of the pyramid in India. *International Journal of Business and Globalisation*, 12(4), 413-438. DOI: <https://doi.org/10.1504/IJBG.2014.062843> (Scopus Indexed).

Kapoor, A., & Goyal, S. (2013). Inclusive healthcare at base of the pyramid (BoP) in India. *International Journal of Trade and Global Markets*, 6(1), 22-39. DOI: <https://doi.org/10.1504/IJTGM.2013.051547> (ABDC 2019 Rank C).

Esposito, M., Kapoor, A., & Goyal, S. (2012). Enabling healthcare services for the rural and semi-urban segments in India: when shared value meets the bottom of the pyramid. *Corporate Governance – An International Journal of Business in Society*, 12(4), 514 – 533. DOI: <https://doi.org/10.1108/14720701211267847> (ABDC 2019 Rank C).

#### CONFERENCE PRESENTATIONS and INDUSTRY WORKSHOPS

15 – 18 Dec 2019: Chauhan, S., Gupta, P., Mehta, N., & Goyal, S. (2019). Intention to use and Adoption of IT Innovations in Organizations: A Meta-Analytic Examination of the Moderating Role of Innovation Type and Socio-Economic Context, 40th ICIS Conference by Association for Information Systems (ACIS), Munich, Germany. Paper ID: 3095. ICIS 2019 Proceedings ISBN 978-0-9966831-9-7. [https://aisel.aisnet.org/icis2019/general\\_topics/general\\_topics/22/](https://aisel.aisnet.org/icis2019/general_topics/general_topics/22/)

12 April 2017: Detailed Hands-on Workshop on “Aligning the CSR Initiatives with the Vision of the Company” for the Senior Management team of Financial Insurance Company in India.

18 – 21 June 2013 (MPI, Toronto): Participation in Experience the Creative Economy (ECE) Conference 2013. Presented the study on competitiveness of states in India.

17– 19 April 2013 (ASU, Tempe, Arizona, USA): Participation in Workshop on Urbanization, Sustainability, Resilience, and Prosperity: Towards a New Global Research Agenda @ School of Sustainability, Arizona State University (ASU), Tempe, Arizona, USA

26– 27 April 2012 (ACF, India): Participation in Asia Competitiveness Forum-2012 organized by Institute for Competitiveness. This involved paper presentation on “Business Models in Emerging Economies” and workshop on “Business Models for BDS providers linked to MSMEs in India”.

17 – 18 February 2012 (JKPS, India): Guest Speaker at the JKPS (Institute of Management & Technology, Gurgaon) International Conference on Creativity & Innovation: “Breaking the barriers to reach the bottom of the pyramid”.

October 2011 (LKYSPP, Singapore): Co-authored and submitted a paper titled “Role of ICT based Emerging Business Models in Rural Healthcare Market Development in India” in Phase 2 of the research project by Centre on Asia and Globalisation at the LKYSSP (Lee Kuan Yew School of Public Policy, Singapore).

## RESEARCH REPORTS

3 Mar 2014: Report titled “Understanding the Creative Economy in India’s Cities” was released by Martin Prosperity Institute, Toronto on 3 Mar, 2014. Involved as a member of project team in this piece of work. Available at:[http://martinprosperity.org/media/Creative%20India%20Cities%20Report\\_14-02-12\\_LR.pdf](http://martinprosperity.org/media/Creative%20India%20Cities%20Report_14-02-12_LR.pdf)

14 May 2013: Report titled “Business Model of Service Delivery and MSME - Analysis of select cases in India” was released on 14 May, 2013. Involved as a co-author in this piece of work initiated by SIDBI, GIZ, FICCI and IFC. Available at:<http://ficci.in/spdocument/20250/BDS-msme-report.pdf>

3 May 2013: Report titled "Understanding the Creative Economy in India" was released by Martin Prosperity Institute, Toronto on 3 May, 2013. Involved as a co-author in this piece of work. Available at:[http://martinprosperity.org/media/Creative%20India\\_v01\\_02%20May%202013\\_FINAL%20web.pdf](http://martinprosperity.org/media/Creative%20India_v01_02%20May%202013_FINAL%20web.pdf)

### Other Publications

Kapoor, A., & Goyal, S. (30 July 2018). Understanding the Innovation Landscape in India. BW Business World.  
<http://www.businessworld.in/article/Understanding-The-Innovation-Landscape-In-India/26-03-2018-144552/>

Kapoor, A., & Goyal, S. (4 April 2017). Capturing consumer attention in a competitive landscape. Moneylife.  
<https://www.moneylife.in/article/capturing-consumer-attention-in-a-competitive-landscape/50157.html>

Goyal, S., & Yadav, C. (16 Nov 2016). Thinking beyond bottom lines. The Hindu Business Line.  
<http://www.thehindubusinessline.com/opinion/shareholder-value-and-welfare/article9354026.ece?css=print>

Kapoor, A., & Goyal, S. (31 August 2016). What is Shared Value Approach and Why it Matters? Business Insider.  
<http://www.businessinsider.in/What-is-Shared-Value-Approach-and-Why-it-Matters/articleshow/53942201.cms>



Kapoor, A., & Goyal, S. (31 August 2016). How is CSR Law driving the Corporates towards Shared Value Approach? `Business Insider.  
<http://www.businessinsider.in/How-is-CSR-Law-driving-the-Corporates-towards-Shared-Value-Approach/articleshow/53942423.cms>

Kapoor, A., & Goyal, S. (29 Sep 2012). Tech Triumph. Outlook Business.  
[http://archive.outlookbusiness.com/article\\_v3.aspx?artid=282298](http://archive.outlookbusiness.com/article_v3.aspx?artid=282298)

### Awards and Recognition

Visiting Research Fellow (2013), Martin Prosperity Institute, Rotman School of Management, University of Toronto, Canada. (Apr 2013 - Jun 2013)

Research publications include 30 refereed journal publications and teaching Cases (Ivey, EEMCS), one book, two book chapters

More than 425 Google citations  
(<https://scholar.google.co.in/citations?user=GouF9e0AAAAJ&hl=en>)"

"1694535787-26","<https://tslas.thapar.edu/faculty/>","DR. KRITI VYAS

Assistant Professor

DR. KRITI VYAS

Assistant  
Professor", "<https://tslas.thapar.edu/facultymaster/52>", DR. KRITI VYAS

Assistant Professor

PhD in Psychology, Jamia Millia Islamia, India

Areas of Interest:

Counselling, Child Development

[kriti.vyas@thapar.edu](mailto:kriti.vyas@thapar.edu)

## PUBLICATIONS

### Journal Articles

Saxena, S., Vyas, K., Khurana, R., & Kalsi, N. (2023). Covid-19 vaccine hesitancy in India: A short review based study. *Madhya Pradesh Journal of Social Sciences*, 28(1), 14.

Bano, S., Ahmad, S. A., & Vyas, K. (2021). Exploring dental anxiety among male and female across adolescents, young adults, and middle adults. *Journal of Dental Research and Review*, 8(2), 107.

Chaddha, U., Bano, S., & Vyas, K. (2017). Communication style, conflict resolution and forgiveness as predictors of relationship satisfaction among young adults. *Indian Journal of Psychological Science*, 8(1), 0976 9218.

Vyas, K., & Bano, S. (2016). Child's Gender and Parenting Styles. *Delhi Psychiatry Journal*, Vol 19 (2), 289-293.

Vyas, K., & Bano, S. (2015). Education for Children with Special Needs: Journey from Segregation to Inclusion. *Andhara Pradesh Journal of Psychological Medicine*, vol. 16 (1) January-June 2015.

Bano, S., Vyas, K., & Gupta, R. (2015). Perceived Organisational Support and Work Engagement: a Cross Generational Study. *Journal of Psychosocial Research*, vol. 10 (2), 2015, 357-364."

"1694535790-27", "<https://tslas.thapar.edu/faculty/>", "DR. SAUMYA DEOJAIN

Assistant Professor

DR. SAUMYA DEOJAIN

Assistant

Professor", "<https://tslas.thapar.edu/facultymaster/50/>", "DR. SAUMYA DEOJAIN

Assistant Professor

PhD in Economics, Washington University, USA

Areas of Interest:

Political Economy, Microeconomic Theory, Cultural Economics

saumya.deojain@thapar.edu

Saumya's primary research fields are political economy, public policy, and microeconomic theory. She specifically investigates the impact of political institutions, social norms, and identity on individual decision-making. Her current work focuses on how institutions and diversity act together to influence coordination and public policy implementation. The list of her current projects include the theoretical formulation of norms of compromise and their relationship with coordination failure, the government's role in regulating intergroup interaction through the groups' cultural consumption, and legislative gridlocks arising from coalitions formed by ideologically opposite extremes. She has started new projects on the effect of public good provision on overlapping cultural networks, and the effect of communication styles on coordination. She has been a postdoc in W. Allen Wallis Institute of Political Economy at the University of Rochester from 2021-2022. For more information see her website: <https://www.deojain.com/>

## PUBLICATIONS

Deojain, Saumya. "Unity in Diversity: How Norms of Compromise Enable Cooperation" (Working Paper, 2022)

Deojain, Saumya and Lindequist, David. "Diversity Taxes" (Working Paper, 2022)

Deojain, Saumya and Dotti, Valerio. "Ideologically Radical, Tactically Conservative" (Working Paper, 2022)

## Awards and Recognition

University Fellowship, Washington University, 2015 - 2020

Dissertation Travel Award, Washington University, 2019

Travel Grant, Center for Research in Economics and Strategy, Washington University, 2019

Summer Research Fellowship, Washington University, 2017 - 2019

Institute Scholarship, Indian Statistical Institute, Delhi, 2013-2015"

"1694535793-28","https://tslas.thapar.edu/faculty","DR. LUCAS THORPE

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Professor","https://tslas.thapar.edu/facultymaster/54","DR. LUCAS THORPE

Associate Professor

PhD in Philosophy, University of Pennsylvania

Areas of Interest:

History of Modern Western Philosophy, Philosophy of Cognitive Science, Social and Political Philosophy, Ethics.

lucas.thorpe@thapar.edu

PUBLICATIONS

Books

Thorpe, Lucas. *The Kant Dictionary*, Bloomsbury (2014)

Thorpe, Lucas and Payne, Charlton (eds.) *Kant and the Concept of Community*, A North American Kant Society Special Volume, University of Rochester Press (2011)

Journal Articles



Thorpe, Lucas. "Thomas Reid on the role of Conception and Belief in Perception and Memory", *History of Philosophy Quarterly*, 38.4 (2021).

Thorpe, Lucas. "Atomic event concepts in perception, action and belief", *Journal of the American Philosophical Association* (2021) AHCI

Thorpe, Lucas. "Common Sense and Comparative Linguistics" *Revue Philosophique de la France et de l'étranger* (2021) AHCI

Inci Ayhan, Melissa Kurtcan and Lucas Thorpe, "The effect of action on perceptual feature binding", *Vision Research*, 177 (2020) 97-108. SCIE

Thorpe, Lucas. "Sayyid Qutb and Aquinas: Liberalism, Natural Law and the Philosophy of Jihad." *Heythrop Journal* (2019) AHCI

Thorpe, Lucas. "Kant on the 'Guarantee of Perpetual Peace' and the Ideal of the United Nations, *Dokuz Eylül University Journal of Humanities* (2019)

Thorpe, Lucas. "What's wrong with Constructivist Readings of Kant?" in *The Philosophy of Kant* edited by Ricardo Gutierrez Aguilar, Nova Science Publishers, (2019)

Thorpe, Lucas. "Kant, Guyer and Tomasello on the Capacity to Recognize the Humanity of Others" in Kate Moran (ed.) *Kant on Freedom and Spontaneity*, Cambridge University Press (2018)

Thorpe, Lucas. "Experimental Philosophy, Williamson's Expertise Defense of Armchair Philosophy and the Value of the History of Philosophy" in *Yeditepe'de Felsefe*, Special Issue on Method in Philosophy, pp. 169-184 (2016)

Thorpe, Lucas. "Seeing White and Wrong: Reid on the Role of Sensations in Perception, with a Focus on Color Perception." In Todd Buras and Bekko Copenhaver (eds.) *Thomas Reid on Mind, Knowledge, and Value* (Mind Association Occasional Series), Oxford University Press. (2015).

Thorpe, Lucas. "One Community or Many? Community and Interaction in Kant: From Logic to Politics via Metaphysics and Ethics." In *Politics and Metaphysics in Kant* edited by Howard Williams, Sorin Baiasa and Sami Pihlström, University of Wales Press (2013).

Thorpe, Lucas and Payne, Charlton. "Introduction: The Many Senses of Community in Kant" in Thorpe, Lucas and Payne, Charlton (eds.) *Kant and the Concept of Community, A North American Kant Society Special Volume*, University of Rochester Press (2011)

Thorpe, Lucas. "Autonomy and Community" in Thorpe, Lucas and Payne, Charlton (eds.) *Kant and the Concept of Community, A North American Kant Society Special Volume*, University of Rochester Press (2011)

Thorpe, Lucas. "Is Kant's Realm of Ends a Unum per Se? Aquinas, Suárez, Leibniz and Kant on Composition." *British Journal of the History of Philosophy*, 18:3 (2010) 461–485 AHCI

Thorpe, Lucas. "The Realm of Ends as a Community of Spirits: Kant and Swedenborg on the Kingdom of Heaven and the Cleansing of the Doors of Perception." *The Heythrop Journal*, XLVIII (2010), pp. 1–24 AHCI

Thorpe, Lucas. "Kant on the Transferral of Property: The Relationship between Kant's Metaphysics and his Philosophy of Right", in *Recht und Frieden in der Philosophie Kants. Akten des X. Internationalen Kant-Kongresses*, Im Auftrag von Kant-Gesellschaft e.V. Hrsg. v. Rohden, Valerio / Terra, Ricardo R. / Almeida, Guido A. de. September 2008

Thorpe, Lucas. "The logical Basis for Kant's distinction between Understanding and Intuition", *Proceedings of the 10th International Kant Symposium*, 2007

Thorpe, Lucas. "What is the Point of Studying Ethics According to Kant?" *Journal of Value Inquiry*, 2006 AHCI

#### Awards and Recognition

"Kant, Reid and Contemporary Moral Psychology". Boğaziçi University BAP Project, 2019-2022. Principal Investigator. 150,000 ytl.

“Models, Theories, Research Programs” A Scientific and Technological Research Council of Turkey (TÜBİTAK) 2232 project. 2019-Ongoing. Affiliated Researcher.

“Agency and Autonomy: Kant and the Normative Foundations of Republican Self-Government.” A British Academy, Newton-Celebi Advanced fellowship, with Sasha Mudd at Southampton. 2015-2018. Total Budget: £70,000. Principal Investigator

“Concept and Beliefs: From Perception to Action.” A Scientific and Technological Research Council of Turkey (TÜBİTAK) 1001 project. 2014-2017. Total Budget: 269,000 ytl. (This is the largest type Tubitak Project). Principal Investigator.

“Kant on Character, Virtue and Impossible Ideals.” A Boşaziçi BAP Project. 2014-2017. Total Budget: 90,000ytl. Principal Investigator.

“Realism from Reid and Kant to Sellars, Williamson and McDowell.” A Boşaziçi BAP Project. 2011- 2014. Total Budget: 90,000ytl. Principal Investigator."

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Associate Professor

PhD University of the Witwatersrand, South

Africa

Areas of Interest:

EPISTEMOLOGY, METAPHYSICS PHILOSOPHICAL LOGIC

Papers Published (Selection)

An Alternative Translation Scheme for Counterpart Theory, *Analysis* 49 (1989)  
pp.131-41.

A Strawsonian Objection to Russell's Theory of Descriptions, *Analysis* 53 (1993)  
pp.209-12.

Methodological Reflections on Two Kripkean Strategies, *Proceedings of the  
Aristotelian Society XCV* (1995) pp.67-81.

Counterfactuals and Preemptive Causation (co-authors: Jonardon Ganeri and  
Paul Noordhof), *Analysis* 55 (1996) pp. 219-25.

The Ambiguity Thesis vs. Kripke's Defence of Russell, *Mind & Language* 11  
(1996) pp. 371- 87.

A Counterfactual Analysis of Causation, *Mind* 106 (1997) pp.263-77.

Sortal Modal Logic and Counterpart Theory, *Australasian Journal of Philosophy*  
76 (1998) pp. 553-565.

Indeterministic Causation and Varieties of Chance-Raising, in P. Dowe and P.  
Noordhof(eds.), *Cause and Chance* (Routledge, 2003) pp. 152-62.

A Counterfactual Analysis of Indeterministic Causation, in J. Collins, N. Hall, L. A. Paul(eds.), Causation and Counterfactuals (MIT Press, 2004) pp. 387-402.

Descriptions and Presuppositions: Strawson vs. Russell, South African Journal of Philosophy 27 (2008, special issue on the philosophy of P.F. Strawson) pp. 64-79.

Anti-Luminosity: Four Unsuccessful Strategies, Australasian Journal of Philosophy 87 (2009) pp.659-73.

The Products of Fission, Fusion, and Teletransportation -- an Occasional Identity Theorist's Perspective, Australasian Journal of Philosophy 91 (2013) pp.105-117.

A Neglected Response to the Paradoxes of Confirmation. South African Journal of Philosophy 36 (2017) pp. 179-85.

Warrant, Conclusive Reason, and Failure-of-transfer-of-Warrant. Problemos94 (2018) pp. 35-48.

Chisholm's Modal Paradox(es) and Counterpart Theory 50 Years On. Logic and Logical Philosophy 29 (2020) pp. 571-92."

"1694535799-30";<https://tslas.thapar.edu/faculty/>,"DR. IPSHITA CHOWDHURY

Assistant Professor

DR. IPSHITA CHOWDHURY



Assistant  
Professor", "<https://tslas.thapar.edu/facultymaster/3>", DR. IPSHITA CHOWDHURY

Assistant Professor

University, Scotland

PhD in Engineering Psychology, Heriot-Watt

Assistant Professor, TSLAS, Thapar Institute of  
Engineering & Technology, Bhadson Road, Patiala-147004, Punjab

Areas of Interest:

Cognitive ergonomics, Situation awareness, Task analysis, Safety

[ipshita.chowdhury@thapar.edu](mailto:ipshita.chowdhury@thapar.edu)

Ipshita's research acts as a bridge between Engineering and Psychology. She is interested to understand the effect of technologies on human performance. For example, does advancement of infotainment systems inside vehicles increase driver distraction or does it improve driving experience in general. Ipshita has worked on two separate research projects as a postdoctoral researcher. The first postdoctoral assignment was conducted in Indian Institute of Science, Bangalore which was funded by Faurecia, Automotive. The project explored the potential of integrating a multimodal head up display inside a vehicle. In this project Ipshita explored the potential of the display to cause driver distraction. The second postdoctoral assignment was in the domain of nuclear security. This project was carried out in the National Institute of Advanced Studies, Bangalore in close collaboration with Texas A&M University, USA. This work reviewed various access control measures in different countries and how those measures differ. If those measures differ then what is the cause of that difference.

Ipshita has impressive teaching experience. She has taught a variety of core Psychology courses at The IIS University. Then she moved to a liberal arts institution in Pune where she supervised honours research projects, group research projects, designed courses of her own and mentored students. During her postdoctoral assignments, she conducted courses with professionals on qualitative research methods and co taught Human Computer Interaction to Masters of Design Students.

## PUBLICATIONS

### Journal Articles

Chowdhury, I. (2016). Schema Driven Driving Differences across A71 and M8. Transportation Engineering Part F: Traffic Psychology & Behaviour, 12 (5), 381-402

Walker G.H., Stanton N.A., Chowdhury I (2013). Self-Explaining Roads and Situation Awareness. Safety Science, 56. 18-36.

Chowdhury, I. (2013) Designing Safe Road Systems: A Human Factors Perspective, Ergonomics, 56:2, 340-341, DOI: 10.1080/00140139.2013.774833

Chowdhury, I. (2012): Writing human factor research papers: a guidebook, Ergonomics, 55:12, 1621- 1622, DOI: 10.1080/00140139.2012.740821

Walker, G.H. & Chowdhury, I. (2012). Situation Awareness in Road Design. In Stanton, N.A (editor), Advances of Human Aspects of Road and Rail Transportation. (pp 490-499). CRC Press. ISBN: 978- 1439871232

Conference Proceedings

Chowdhury, I. 2014. Human Factors Challenges in Indian Road Safety. Paper Presented in International Safety Conference. Gandhinagar, India. December, 2014.

Chowdhury, I. 2014. A Cognitive Approach to Road Safety. Paper Presented in 8th National Frontiers of Engineering. Gandhinagar, India. September, 2014.

Chowdhury, I. 2014. Driving differences in A71 and M8. Results from Network Analysis. Paper Presented in 6th Applied Human Factors and Ergonomics Conference. Krakow, Poland. April, 2014.

Chowdhury, I. 2013. Driving differences in A71 and M8. Results from Network Analysis. Poster Presented in 12th Annual General Meeting of Institute of Civil Engineers. Royal Society of Edinburgh, U.K. October, 2013.

Chowdhury, I. 2013. Semantic Networks and Self-Explaining Roads. Poster Presented in 45th Nordic Ergonomics and human Factors Society Conference, Iceland, August, 2013"

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Assistant Professor

Netherlands

PhD in History, Leiden University, The

Assistant Professor, TSLAS, Thapar Institute of  
Engineering & Technology Bhadson Road, Patiala-147004, Punjab

Areas of Interest:

Indian Ocean, Early Modern History, Socio-economic History, Global History

[byapti.sur@thapar.edu](mailto:byapti.sur@thapar.edu)

Byapti received her PhD in History from Leiden University in the Netherlands. She specialises in the early-modern history of Indo-Dutch socio-economic connections (1600-1800). In her doctoral research, she examined the networks of informal interactions between the Mughal administrators, the brokers and the Dutch East India Company officials in Bengal in the seventeenth century. She studied these through cases of corruption accusations brought against Company officials in alliance with the locals. She has also worked on the pattas or documents of leases involving the land administration of the Dutch East India Company in Bengal in the eighteenth and early nineteenth centuries. By taking a regional perspective, she tries to locate the forces of the local in the larger global connections. Byapti has published essays in peer reviewed journals and book chapters and has taught briefly at the Institute for History at Leiden University and Liberal Arts at the Leiden University College. Her teaching interests include early-modern history of Indo-European connections and Dutch overseas history. She has also worked as a researcher for the National Archives in Den Haag and has worked for the International Institute of Social History in Amsterdam. She was granted the Erasmus Mundus IBIES scholarship for pursuing her doctoral research and COSMOPOLIS scholarship for a foundation year in History at Leiden University. She has pursued her M.A. at the Centre for Historical Studies at Jawaharlal Nehru University in Medieval History and her B.A. at Jadavpur University in History.

## PUBLICATIONS

### Book Chapters

Sur, B. (2019), Beyond the Company and its Commerce: Reviewing the Presence of the VOC in Mughal Bengal, 1600-1700. In Raziuddin Aquil and Tilottoma Mukherjee (Eds.) *An Earthly Paradise: Early-Modern Bengal*. Delhi: Manohar Publications.

Sur, B. (2016), The Story of Bengal's Urbanization: Role of Trade in the Early Modern Period. In: Pius Malekandethil. (Ed.) *The Indian Ocean in the Making of Early Modern India*. Delhi: Manohar Publishers.

### Journal Articles

Sur, B. (2018), Individual Interests Behind the Institutional Façade: The Dutch East India Company's Legal Presence in Seventeenth-Century Mughal Bengal. *Itinerario* 42(2): 279-94.

Sur, B. (2017), The Dutch East India Company through the Local Lens: Exploring the Dynamics of Indo-Dutch Relations in Seventeenth Century Bengal. *Indian Historical Review* 44(1): 62-91.

#### Book Reviews

Sur, B. (2017), Review of: Maxine Berg, Felicia Gottmann, Hanna Hodacs, and Chris Nierstrasz (2015). *Goods from the East, 1600-1800*, *Itinerario* 41 (2): 408-10.

Sur, B. (2017), Historical Specificities of the 'Colonial' State Review of: Sabysachi Bhattacharya (2016) *The Colonial State: Theory and Practice*, *The Book Review* XLVI (3): 10-11.

Sur, B. (2016), Forces that Made History Review of: S.Z. H. Jafri (2014) *History, Ideas and Society: S.C. Mishra Memorial Lectures in History*, *The Book Review* XL (2): 14-15.

Sur, B. (2015), Review of: Roísín Healy, Enrico Dal Lago (2014). *The Shadow of Colonialism on Europe's Modern Past*, Cambridge Imperial and Post-Colonial Studies Series, *Itinerario* 39(3): 548-550.

## Other Outputs

Sur, B., Sinha, K. (2016), "And then the government fell. But the books continued!": An Interview with Romila Thapar. IAS newsletter 74: 12-13."

"1694535805-32","<https://tslas.thapar.edu/faculty>","DR. PRADEEP HOTA

Associate Professor

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Associate

Professor","<https://tslas.thapar.edu/facultymaster/23>","DR. PRADEEP HOTA

Associate Professor

PhD, Social Entrepreneurship and Strategic  
ManagementD, Indian Institute of Management, Kozhikode, India



Associate Professor, LMTSM, Derabassi Campus,  
Thapar Institute of Engineering & Technology, Mohali-140507, Punjab

Areas of Interest:

Organization, Strategy and International Management

pradeep.hota@thapar.edu

“Education is not the filling of a pail, but the lighting of a fire”

“The preceding quote by W.B. Yeats captures the exhilaration of teaching. Teaching has always been a passion for me. My goal as a teacher is to create an environment for my student that allows for supervised exploration. I hope to advance the intellectual development of my students to the best of my abilities”

“My teaching is based on certain principles that I have developed from my own experience as a student. I like to make students think on their own to make them critical thinker, to engage students by asking thought provoking questions, to effectively utilize class times through a flipped classroom model and to connect theory with practice.”

“I have a passion towards understanding the incredible world of social entrepreneurship. I feel that social problems are abundant and we need lot more social enterprises to address them. So, I am actively involved in consulting, teaching and researching in the area of social entrepreneurship. I have a firm belief that financial sustainability is also an important consideration for social enterprise along with their reason for existence, social value creation. Hence, as part of my research, I look at the resource management practices of social enterprise to achieve their dual mission”

“I studied computer science as an undergraduate and then worked in the Information Technology industry for around 6 years. During my stint in the industry I realized that I was enjoying teaching, training and mentoring activities. So, I decided to enter into academics. By that time, I was more interested in the field of management and hence I pursued doctorate in strategic management with major focus on social entrepreneurship.”

“I have a strong belief that NATURAL TALENT IS HELPFUL, BUT GRIT IS FAR MORE IMPORTANT. So, my suggestions for the students will be – BE PASSIONATE, WORK HARD FOR YOUR PASSION, SUCCESS WILL BE A BYPRODUCT”.”

"1694535808-33";"<https://tslas.thapar.edu/faculty>";"DR. SANTHA KUMARI

Professor

Program Chair

DR. SANTHA KUMARI

Professor

Program  
Chair", "<https://tslas.thapar.edu/facultymaster/26>", "DR. SANTHA KUMARI

Professor

Program Chair

Technology, Kanpur, India

PhD in Psychology, Indian Institute of

Professor, School of Humanities and Social  
Sciences, Thapar Institute of Engineering & Technology, Bhadson Road, Patiala-147004,  
Punjab

Areas of Interest:

Cognitive and Experimental Psychology, Emotion recognition, resilience, Behaviour Therapy and narcissism

santha@thapar.edu

A dedicated, detailed and capable academic with 35 years of experience in undergraduate and postgraduate teaching and research in the field of Experimental Cognitive and Neuropsychology. Hardworking, honest and sincere, and value personal and professional integrity. Willing to learn new things and adapt easily to new environments. A person with a high level of empathy and concern for the students' intellectual, psychological and emotional needs. As a teacher, Dr Santha's fundamental responsibility is to communicate information to her students so that they can make informed decisions. Dr Santha Kumari is a proponent of active learning and use of a variety of methods and modern technology to encourage discussion and interaction on the issues the course presents.

Dr Santha is very committed to providing a learning environment that is both exciting and rigorous, one that empowers both the student and teacher in pursuing learning. She devises various assessment strategies that allow her to fairly assess student learning regardless of student's learning styles. Above all, Dr Santha treats her students with utmost respect creating an environment where students feel safe to candidly discuss topics, which they might otherwise, hesitant to address. In addition, she brings in her research output in the classroom and follows a research focussed practical oriented teaching style. Finally, she is a learner, and learns new things from her students in each class.

## Research Projects

Personal and Familial Handedness and performance on spatial ability Tasks (Ref No.SP/YS/ MO5/88), Sponsoring Agency : DST, Duration : 1990-92, Status : Completed

Masculinity- Femininity: A life span developmental approach (Ref.No1-55/95 RP-II), Sponsoring Agency : ICSSR, Duration : 1994-95, Status : Completed

Educational implications of sex and age differences in spatial ability and hemispheric specialization (Ref.No.F5-94/95), Sponsoring Agency : UGC, Duration : 1996-98, Status : Completed

Accuracy in arm positioning as a function of handedness and time sense (minor Project), Sponsoring Agency : UGC, Duration : 1996-97, Status : Completed

Hemispheric specialization for motor skills: Effect lateralization, handedness and sex. (Ref No. SP/SO/BO8/97), Sponsoring Agency : DST, Duration : 1997-99 , Status : Completed

Speed of information processing , intelligence and creativity(minor project ), Sponsoring Agency : UGC , Duration : 2000-2001, Status : Completed

Time course in Stroop effect: An experimental investigation in cognitive microgenesis (Ref. No.SP/SO/B38/2000), Sponsoring Agency : DST, Duration : 2001-2003, Status : Completed

Effects of extended video stimulation on visual cognition (Ref.No.SP/SO/B48/2001), Sponsoring Agency : DST , Duration : 2004-2006, Status : Completed

An experimental Investigation of the Psychological determinants of Financial decision making: A prospect theory approach, Sponsoring Agency: ICSSR, Duration: 2013-2015, Status: Completed.

Project In pipeline: Development of intelligent system for emotion recognition: Speech and micro-expression., Submitted to DST, Awaiting the call for presentation.

#### Membership of Professional Institutions, Associations, Societies

Member ,American Psychological Association (APA)

Member , International Association of Applied Psychology IAAP

#### Publications and other Research Outputs

SCI

Berring, L., Santha Kumari, & Ahuja, S. (2017) Impact of personality traits and personal values on curriculum choice of young adults. *Journal of Beliefs & Values*, <http://dx.doi.org/10.1080/13617672.2017.1293930>

Soni A., Santha Kumari (2015). The Role of Parental Math Anxiety and Math Attitude in Their Children's Math Achievement. *International Journal of Science and mathematics Education*. DOI 10.1007/s10763-015-9687-5

Arora, M., Santha Kumari (2016). Self-Esteem as Determinant of Investors' Stock Market Participation: Mediating Role of Risk Preferences and Behavioral Biases, *Psychologia*, 58(3), 115-126.

Santha Kumari (2003). Comparing adolescent and middle-age groups on spatial task performance: A developmental differentiation approach, *Psychologia*, 46, 54-61.

Santha Kumari, Kurian,G.(1997). Handedness, familial sinistrality, & spatial task performance, *Psychologia*, 40, 22-28.

Santha Kumari,K., Kurian,G. & Rao,V.K. (1994) .Cross-gender identity, familial non-right-handedness, and hand preference. *Psychologia*, 37,34-38

Kurian,G.& Santha Kumari,K(1994). Effect of sex & familial sinistrality on handedness. *Psychologia*, 37, 30-33.

Kurian G., Sharma, N.K.& Santha Kumari (1989). Left-arm dominance in active positioning. *Perceptual and Motor Skills*, 68, 1312-1314.

Non-SCI

1.Arora, M.& Santha Kumari (2015).Risk Taking in Financial Decisions as a Function of Age, Gender: Mediating Role of Loss Aversion and Regret, *International Journal of Applied Psychology*, 20, 5(4): 83- 89.

Soni, A. & Santha Kumari (2015). The Role of Parental Math Attitude in Their Children Math Achievement, *International Journal of Applied Sociology*, 5(4), 159-163.

Santha Kumari & Ahuja,S.(2010). Video Viewing and Cognitive Development in Preadolescents, *Social Science Computer Review*, 28(2), 15-21.

Ahuja, S & Santha Kumari (2009). Prolonged video viewing and emotional intelligence: an experimental investigation among preadolescents, *Europe's Journal of Psychology*. DOI [www.ejop.org](http://www.ejop.org)

Ahuja, S. & Santha Kumari (2008). Impact of extended video viewing on emotional stability among preadolescents, *Psychological Studies*, 53, 294-297.

Santha Kumari (2000). Cross gender identity and spatial task performance, *International Journal of Psychology*, 35, 394.

Kurian,G., Sharma, N.K. & Santha Kumari (1987). Cognitive strategies in KBDT performance, *Psychological Studies*, 32, 29-32.

Santha Kumari, Sharma, N.K (1988). Lateralization of function in the human brain, *Psychological studies*, 18, 56-60.

Santha Kumari, Kurian, G. & Sharma, N.K. (1988). Cognition in women, *Psycho-Lingua*, 18, 59-66.

Santha Kumari, Sharma, N.K. (1989). Hemispheric involvement in field articulation, *Psychological Studies*, 32, 17-22.

Kurian, G., Santha Kumari (1990). Consciousness and the left hemisphere, *Journal of Indian Psychology*, 8, 33-36.



Kurian,G., Santha Kumari (1991). Femininity & Cross-gender identity, Psychological Studies, 36, 70-72.

#### Deion of Research Interests

Currently working in the area of Emotion recognition; Night vision ; Hemispheric specialization; Maths Anxiety; Behavioral Finance; Value orientation; Narcissistic personality.

Presented papers in the various international conferences (Total: 11).

Supervised PhD candidates (Awarded: 3, Ongoing: 2).

Delivered invited lecturer on Biological basis of sexual orientation and sex typical behaviour, North Dakota, USA.

Participated in the Embedding Entrepreneurship in engineering Education program at University of Groningen, Netherlands.

Carried out Consultancy Project which includes testing of Personality, Intelligence, Memory, Differential aptitudes, Social skills training, Language dimensions , Emotional intelligence, Moral reasoning etc. This Programme was started in 1997 and runs throughout the year. The assessment procedures and guidance programme are fine-tuned to suit individual requirements and linking them to career plans, aspirations, achievement levels and educational and socio-economic status. And intelligence and memory testing for patients referred from Psychiatry department, Government Medical College Hospital, Patiala, India"

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Professor

Learning

Chair, Curriculum, Pedagogy &

DR. KAUSTUV ROY

Professor

Chair, Curriculum, Pedagogy &  
Learning";"<https://tslas.thapar.edu/facultymaster/9>";"DR. KAUSTUV ROY

Professor

Chair, Curriculum, Pedagogy & Learning

Michigan State University, USA

PhD in Curriculum and Education Policy,

Chair, Curriculum, Pedagogy and Learning

Professor, TSLAS, Thapar Institute of Engineering & Technology, Bhadson Road,  
Patiala-147004, Punjab

Areas of Interest:

Philosophy and Sociology of Education

[kaustuv.roy@thapar.edu](mailto:kaustuv.roy@thapar.edu)

Kaustuv Roy earned his Ph.D from Michigan State University, USA, and has worked for many years as faculty both in India and abroad. His basic degree is in Mathematics and he holds a diploma in art. His areas of interests include Recovery of classical and vernacular knowledge in education; Discovery of positive relation between physical and intellectual labour; Non-Western foundations of curriculum and pedagogy; Pedagogy in minimalist settings; and connection between art and education. His work has been mentioned and cited over 1000 times.

PUBLICATIONS

Reincarnating Experience in Education: A Pedagogy of the Twice-Born (New York: Palgrave Macmillan, 2020). ISBN 978-3-030-53547-6

Rejecting the one-dimensionality of contemporary education that is primarily mind-oriented, this book presents authentic educational experience as the actualization of a potential within a phenomenological field whose axes consist of the somatic, the psychic, and the symbolic. The author insists on the nature of experiencing as coming to be in a living tension between the intuition and the intellect, or the inner and the outer, and calls the resultant disclosure a pedagogy of the twice-born. The educated must be born twice: the first time we are involuntarily thrust into a commonsensical world; the second birth is a deliberate step toward a qualitative principle.

Teachers and Teaching: Time and the Creative Tension (New York: Macmillan, 2019), ISBN 978-3-030-24669-3; DOI: 10.1007/978-3-030-24670-9.

Against the backdrop of a historical debate between science and philosophy with regard to the nature of time, this book argues that our commonsense understanding of time is inadequate—especially for education. Teachers' work is heavily imbued with the effects of clock time, and yet there is another time—duration—which remains out of sight precisely because our sights are filled with temporal things and projections of futurity. The book includes philosophical discussions of time using the work of thinkers from Augustine to Eckhart, from Paul to Aquinas, and Einstein to Bergson, in its quest for a creative time.

Education and the Ontological Question: Addressing a Missing Dimension (New York: Palgrave Macmillan, 2019). ISBN 978-3-030-11177-9; DOI 10.1007/978-3-030-11178-6.

This book identifies and expands upon the link between ontology and education, exposing a lack of ontological inquiry as the vital missing element in the study and practice of modern education today. In this book, Roy aims to reintroduce ontological thinking and reasoning that grounds historical and modern educational understandings and practice. Beginning with a historical perspective, he then turns to examine the results of his scholarship into practical concerns of education such as language, dialogue, and curriculum: ultimately proposing a new way forward emphasizing a balance in the education effort between epistemic content and ontological disclosure.

*The Power of Philosophy: Thought and Redemption* (New York: Palgrave Macmillan, 2019). ISBN 978-3-030-07269-8.

This book explores the possibility of philosophical praxis by weaving an ontological thread through four principal thinkers: Heidegger, Schelling, Goethe, and Heraclitus. It argues that a special kind of redemptive power awaits the structural understanding of thought that is beyond semantic formations such as concepts and ideational systems. The author claims that the “power” is negative in nature, trans-personal, and derived directly from the understanding of thought as a structural pulse. The book travels backwards in time, encountering successively Heidegger’s critique of calculative thinking, Schelling’s Mind/Nature relation, Goethe’s Delicate Empiricism, and the aphoristic wisdom of Heraclitus in search of a redemptive power. The author refers to the praxis as “philosophical bilingualism.”

*Limits of the Secular: Social Experience and Cultural Memory* (New York: Palgrave Macmillan, 2018). ISBN-13: 978-3319839974.

This book facilitates a missing dialogue between the secular and the transsecular dimensions of human existence. It explores two kinds of limits of the secular: the inadequacies of its assumptions with respect to the total being of the human, and how it curbs the ontological sensibilities of the human. Roy argues that since secular reason of modernity can only represent the empirical dimension of existence, humans are forced to privatize the non-empirical dimension of being. It is therefore absent from the social, imaginary, as well as public discourse. This one-sidedness is the root cause of many of the ills facing modernity. Roy contends that a bridge-consciousness that praxeologically relates the secular and the non-secular domains of experience is the need of the hour.

*Rethinking Curriculum in Times of Shifting Educational Context* (New York: Palgrave Macmillan, 2018). ISBN-13: 978-3319870069.

This book engages with the dynamic intersection of several domains such as philosophy, psychology, sociology, and pedagogy, in order to critically analyze and reinvent our understanding of curriculum. The chapters raise important questions such as: what are the conditions of possibility for a living curriculum in which Eros and intellect (or reason and intuition) are not separated? How is it possible to escape ideology that keeps us bound to defunct categories? What are the ingredients of an inquiry that is able to grasp curriculum as an expanding interpersonal movement? How do the teacher-learner ensemble get creatively constituted beyond obstructive dualities? How can we reinvent meaning in curriculum without totalization? Which indigenous understandings can be recovered in order to reinvent curriculum with greater relevance for diverse peoples? This volume addresses elements of reason, nonreason, becoming, dissipation, violence, uncertainty, transcendence, love, and death in order to come to a critical understanding of the relationship between knowledge and knower from these multiple perspectives.

Technohumanism, Global Crises, and Education: Toward a Posthumanist Pedagogy (Forthcoming in Macmillan 2020).

The book begins by arguing that the core ideas of humanism were essentially “junk bonds”—quick yielding but ultimately defaulting and leading to bankruptcy. Developed for quick take-over of available evolutionary spaces through various kinds of cognitive-narrative-maneuvers, the solipsistic navel-gazing merely consolidated narcissistic predilections. Second, post-humanistic analysis clearly shows that the reflexive label “human” creates at least two problems: the production of a petty morality (noted by Nietzsche) that suffocates creative life, and the bonding of the epiphenomenal into a composite image (noted by Spinoza) that prevents authentic becoming. Together they keep our eyes diverted from the nature of our ontological truths. Within this larger theoretical arc, the book argues that among other things, the Covid-19 crisis poignantly destabilizes the root narratives that we have for so long told ourselves. The shock that the world is currently experiencing is due to the unreality we have surrounded ourselves with rather than anything unique in actual experience. Finally, the book suggests an educational path for a different kind of future away from technological hubris.

Teachers in Nomadic Spaces: Deleuze and Curriculum (New York: Peter Lang, 2003). ISBN-13: 978-0820467375

Teachers in Nomadic Spaces is fieldwork in curriculum theory, weaving vital strands of Gilles Deleuze's constructivist philosophy into a case study of teacher induction

and becoming in an urban innovative school. Releasing the productive power of difference, it allows us to see the pedagogical potential of irregular (nomadic) spaces and thereby to obtain release from the Platonic pincer-hold of curriculum as recovery and representation. This book offers a conceptual mode for recomposing ourselves into new expressions in education by means of semiotic and affective experimentation, and will appeal to teachers, teacher educators, curriculum developers, those interested in urban issues in education, and Deleuzians.

Neighborhoods of the Plantation: War, Politics, and Education (The Netherlands: Sense Publishers, 2008). ISBN-13: 978-9087904333

The plantation is present day slave society, a means and a system of usurpation of life energies and bodily productive capacities in the service of endless bankruptcy on the one hand and elite persuasions on the other. The book argues, in part, that war or State organized violence is one of the most efficient means of the elite transfer; the wreckage through war and destruction of ordinary livability opens up the human as organic compounds in the turning of human life into global plantation assets. More importantly, the book argues that this is possible only by means of certain ontological and epistemological deployments that make war on the human-ecological inevitable and even acceptable. This is where pedagogy comes in. The temporal being, the spatial being, and the linguistic being of the human-ecological are explored as three dimensions of captivity as well as the means of escape."

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Assistant Professor

UK

PhD in Metaphysics, University of Nottingham,

Assistant Professor, TSLAS, Thapar Institute of  
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Areas of Interest:

Metaphysics, Philosophy of Science

[andrea.raimondi@thapar.edu](mailto:andrea.raimondi@thapar.edu)



I am an Assistant Professor of philosophy at the Thapar Institute of Engineering and Technology. I was awarded a PhD in Metaphysics at The University of Nottingham, and I served as Lecturer in Philosophy at the University of Exeter till 2019. I work on metaphysics and the philosophy of science. My main research is on non-humean theories of laws of nature, causation, and physical modality. I'm also interested in philosophy of psychiatry, with a focus on theories of depression and voice-hearing. I run the [thephilosophypaperboy.com](http://thephilosophypaperboy.com), a updated list in real-time of all philosophy publications at the global level.

## PUBLICATION

### Books

Raimondi, A., Azzano, L. (ed.) (forthcoming). *New Foundations of Dispositionalism*, Synthese, SI."

"1694535817-36","<https://tslas.thapar.edu/faculty/>,"Dr. Jappen Oberoi

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Dr. Jappen Oberoi

Assistant

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Assistant Professor

University, Chandigarh

B.A. (Hons.), M.A.(Gold), NET/JRF, Ph.D. Panjab

Areas of Interest:

Epigraphy, Numismatics, Ancient Indian History, Culture and Archaeology

[jappen.oberoi@thapar.edu](mailto:jappen.oberoi@thapar.edu)

BOOKS

Kaushambi post Kanishka: From c. 101-319 CE, Radhika Books, New Delhi, 2019.

Cometh the Hour , Cometh the Man : The Saga of Skandagupta, Manak Publication, New Delhi/ USA, 2019.

#### PAPERS PUBLISHED

“Bhitari stone Pillar Inscription of Skandagupta: Reading between the lines” in International Journal of Humanities and Social Sciences, Volume 5, Number 3, 2015, pp. 271-280.

“Food Security and Governance: Exploring the Reciprocity in Ancient India” in Pankhuri Interdisciplinary Journal, Volume 2, December, 2015, pp. 96-101.

“Kahaum Inscription of Skandagupta: An Epilogue to his Bhitari Epigraph” in International Journal of Humanities and Social Sciences, Volume 6, Number 2, 2016, pp. 155-167.

“A note on Chatrapana Satakarni” in Central India Journal of Historical and Archaeological Research, Volume 6, Number 21, 2017, pp. 11-14.

“The Rupamma Riddle and Kanishka In Vidarbha: Some Reflections” in Asian Journal of Research in Social Sciences and Humanities, Volume 7, Issue 7, 2017, pp.397-399.

“The Gift of Ujjain : Decoding an Epigraphical Evidence from Kanaganahalli” in International Journal of Current Research, Volume 9, Issue 01, 2017, pp. 45239-45240.

“A Conjectural Restoration of the Year 86 Epigraph of Maharaja Bhadramagha” in International Journal of Current Research, Volume 9, Issue 05, May 2017, pp. 50865-50867.

“The Date of Incision of Junagarh Rock Inscription of Rudradaman: Inferred from the Junagarh Rock Inscription of Skandagupta” in International Journal of Recent Scientific Research, Volume 9 Issue 3(1), 2018, pp.25227-25228.

“The Dichotomous Integration of the Migrants in the socio-political system in Ancient India” in Panjab University Research Journal Social Sciences, Volume 26, Issue 3, 2018 (Special Issue VIII CHASSCONG), pp.95-102.

“A ‘Temple’ from the Reign of Maharaja Bhadramagha” in International Journal of Humanities and Social Sciences Invention, Volume 7, Issue 12, Ver. 1,2018, pp. 12-14.

“Paronomasia in Ajayatasa: Reinventing an Epigraphical Evidence from Kanaganahalli” in Journal of Emerging Technologies and Innovative Research, Volume 6, Issue 4, 2019, pp.250- 253.

“The Non-Sovereign, Non-Victorious Kardamaka: Jayadaman” in International Journal of Recent Scientific Research, Volume 10, Issue 07(A), 2019, pp. 32689-32692.

“Ramagupta≠Kacha” in International Journal of Multidisciplinary Educational Research, Volume 8, Issue 7(4), 2019, pp. 68-72.

“Magha-siri/siriy?-Magha/Magha“ in Journal of Research in Humanities and Social Science, Volume 9, Issue 5, 2021, pp. 49-50.

## Awards and Recognition

Holds the distinction of scoring the highest marks in post-graduation in the history of the dept. of A.I.H.C.&A., Panjab University.

Awarded P.U. Gold medal and the Merit Certificate for academic excellence by P.U. Alumni Association for standing first in M.A.

Awarded College Colors by PGGC-11 for an exceptional academic record in Graduation.

Awarded P.U. Ph.D. scholarship."

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Assistant Professor

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PhD in Neurobiology, Freie Universität Berlin,

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Areas of Interest:

Sensory Learning and Memory, Hygienic Behavior in Honey Bees, Herbal  
Formulations to Ameliorate Pesticide-Mediated Toxicity

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Neloy Kumar Chakroborty has developed a passion for neuroscience during his two-year research tenure at the National Centre for Biological Sciences, Bengaluru, India while working on the genetic model organism *Caenorhabditis elegans*. His enthusiasm to explore the topic of sensory processing in the central nervous system has driven him to work

on the olfactory learning and memory processes in honey bees during his Ph.D. He pursued his Ph.D. from Freie Universität Berlin, Germany, and continued his research in cognitive neuroscience for his postdoc in the reputed research institutes in India. Later he joined Adamas University in 2017 as an Assistant Professor and worked there for three years until the middle of 2020, before he joined the Thapar School of Liberal Arts & Sciences in August 2020. In 2019, he received the prestigious 'EMBO short-term fellowship' and started a research project on neuroimaging in the lab of Dr. Albrecht Haase in the Center for Mind/Brain Sciences, University of Trento, Italy, and investigated the spatial and temporal coding properties of the olfactory-Kenyon cells of the honey bee brain using the state-of-the-art two-photon microscopy. He is currently in the process of establishing his lab of neurobiology at Thapar with the principal research interest to study different types of sensory learning processes using honey bee, zebrafish and human as model systems, analysing brain and behavior at multiple levels – genetic, molecular, behavioural and cognitive. He has several collaborators in Europe and South America and he is looking forward to training the motivated students in his lab.

## PUBLICATIONS

### Journal Articles

Chakroborty, N. K., Pamir, E., Einspannier, R., Leboulle, G., Menzel, R. Gene expression analyses in the brains of low and high performer honey bees in a rewarded olfactory conditioning procedure (Forthcoming).

Chakroborty, N. K., Chatterjee, G., 2018. Understanding human face recognition: approaches, theoretical models and evaluations of empirical evidence. *Journal of Advanced Linguistic Studies* Vol. 6: No. 1-2.

Chakroborty, N. K., Chatterjee, G., 2016. Neural and behavioral correlates of face recognition in human infants. *Current Indian Eye Research*, 3, 10.

Chakroborty, N. K., Menzel, R., Schubert, M., 2016. Environment-specific modulation of odorant representations in the honeybee brain. *European Journal of Neuroscience*, 44, 3080-3093.

Chakroborty, N. K., Bienefeld, K., Menzel, R., 2015. Odor learning and odor discrimination of bees selected for enhanced hygienic behavior. *Apidologie*, 46, 499-514.

Pamir, E., Chakroborty, N. K., Stollhoff, N., Gehring, K.B., Antemann, V., Morgenstern, L., Felsenberg, J., Eisenhardt, D., Menzel, R., Nawrot, M.P., 2011. Average group behavior does not represent individual behavior in classical conditioning of the honeybee. *Learning & Memory*, 18, 733-741.

#### Book Chapters

Mallick, A., Paul, M., Ahmed, N., Biswas, S., Ghosh, S., Chakroborty, N. K\*. Book Chapter accepted titled 'Matrix of skin color satisfaction, body-image cognitive distortions and self-esteem of the young adults'. Springer Publishing Company (Accepted)."

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Assistant Professor

India

PhD in Sociology, Jawaharlal Nehru University,

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Sociology of Development

pratichi.majumdar@thapar.edu

Pratichi Majumdar is a sociologist and qualitative researcher from New Delhi, India. She has completed Ph.D. from the Centre for the Study of Social Systems, Jawaharlal Nehru University titled 'Storytelling on the Internet: A Sociological Study of Popular English and Hindi Webseries'. Her areas of academic interest include Digital Sociology, New Media and Popular Culture, Sociology of Technology, Sociology of Development, and Gender and Human Rights. In the past few years, her specialization has been in using a combination of ethnographic and cyber-ethnographic research methods to sociologically study both physical and virtual communities.

Pratichi has recently completed her Post-Doctoral research as part of the ESRC funded GendV Project: Urban Transformations and Gender Violence in India and South Africa, based at the University of Cambridge. She has previously taught Sociology at the Sri Venkateswara College, University of Delhi and the Manav Rachna International Institute of Research and Studies to undergraduate and post-graduate students. She has also worked on various research projects around issues of gender, media, online communities, markets and identities, independently and with various organizations including the National Human Rights Commission, Kerala Institute of Local Administration, Human Rights Law Network among others. She has been invited to present her work at several national and international forums such as the International Sociological Association, Development Studies Association, University College London, British Sociological Association, British Association for South-Asian studies, All India Sociological Conference, Indian Social Institute and National Commission for Women, among others.

Besides academics, Pratichi is a trained Hindustani classical singer, an avid reader, an eager cinephile, and a keen traveler.

## PUBLICATIONS

### Journal Articles

2020. 'Storytellers and Listeners: Role of Audience participation in Internet-based Stories' in Communicator. pp. 27-35. Vol. LV (3 and 4) (July-December 2020)

2019. 'Unit-10: Communication Strategies for Empowerment' in Media and Society, GSO S6 O4 (M), Sociology, Semester 6, Krishna Kanta Handiqui State Open University. pp. 114-126. Self Learning Material published by KKHSOU.

2019. 'Internet based fandoms: Solidarity among Virtual Communities' in Mass Media: Our Society, Our Research. pp. 7-12. Volume -8, Number- 85.

2017. 'When Religion, Nationalism and Market Meet: A Study of Patanjali', in Invitation to Sociology, edited by Bhattacharjee, N and Bhattacharyya, U., 100-106. New Delhi: Sri Venkateswara College, University of Delhi.

2016. 'Chittaranjan Park Fish Market: A socially produced space' in South-Asian Journal of Multidisciplinary Studies (SAJMS) pp. 58-67.

Awards and Recognition

Awarded the Shrimati Kunda Datar Gold Medal (2014) for being the best candidate in M.A. Examination in Sociology.

Awarded National Scholarship in Sociology (2012-14) by the University of Delhi.

Received the Krishnaraj Research Fellowship (2013-14), housed at the Centre for Development Studies, Delhi School of Economics and conducted a fifteen day research in Vrindavana on 'Negotiating Traditions: Maiyyas of Vrindavana'.

Awarded the Neelabhata Venkata Subbich Memorial Prize for highest marks in B.A. (Hons.) Sociology, Sri Venkateswara College, Delhi University."

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Professor

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Professor

University, India

PhD in Environmental Sciences, Pondicherry

Professor, School of Energy and Environment,  
Thapar Institute of Engineering & Technology, Bhadson Road, Patiala-147004, Punjab

Areas of Interest:

microbial biotransformation and nanoparticle biogenesis, bioactivity and bioavailability  
in invitro and invivo systems

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Dr. N.Tejo Prakash is a Professor at School of Energy and Environment, Thapar Institute of Engineering and Technology, Patiala, India. He received his MS from SV University, India and Doctorate from Pondicherry University, India. He worked as post-doctoral researcher at Blaustein Desert Research Institute, Israel and Defence Research and Development Organization, India before eventually joining as faculty at Thapar Institute as Assistant Professor in 2003. He was a Visiting Professor to University of Manchester, UK; Pennsylvania State University, USA; and Ritsumeikan University, Japan and is collaborating with research groups in Russia, USA, Japan, and China. He has published more than 75 articles in peer-reviewed journals with more than 1000 citations. He is presently working in the areas of selenium biotransformations, bioaccessibility as well as bioactivity of selenium from dietary sources. He loves teaching and interacting with students on concepts such as Ecology, Environment and Youth for a Sustainable Future.

#### Membership of Professional Societies:

Mycologists Society of India (MSI)

International Society of Selenium Researchers (ISSR)

#### Research Publications (SCI only)

Dhanjal NI, Sharma S, Prabhu KS, Tinkov AA, Skalny A, Skalnaya M, Ajsuvokova O, Zhang F, Guo X, Tejo Prakash N, 2019, Selenium rich rice modulates the expression of prostaglandin genes in lipopolysaccharide stimulated RAW 264.7 macrophages, Food and Function,10: 2839-2846.

Sharma A, Melo JS, Tejo Prakash N, Prakash R, 2018, Effect of feedstocks and chain lengths of alcohols on the whole-cell catalyzed generation of alkyl esters, *Energy Sources, Part A: Recovery, Utilization, and Environmental Effects*, 40: 2612-2619

Jaiswal SK, Prakash R, Skalny AV, Skalnaya MG, Grabeklis AR, Skalnaya AA, Tinkov AA, Zhang F, Guo X, Tejo Prakash N, 2018, Synergistic effect of selenium and UV-B radiation in enhancing antioxidant level of wheatgrass grown from selenium rich wheat, *Journal of Food Biochemistry*, Doi: 10.1111/jfbc.12577

Ning Y, Wang X, Zhang P, Skalny VA, Tejo Prakash N, Li, Zhou R, Lammi M, Zhang F and Guo X, 2018, Imbalance of dietary nutrients and the associated differentially expressed genes and pathways may play important roles in juvenile Kashin-Beck disease, *Journal of Trace Elements in Medicine and Biology*, 50: 441-460

Skalnaya M, Jaiswal SK, Prakash R, Tejo Prakash N, Grabeklis AR, Zhegalova IV, Zhang F, Guo X, Tinkov AA, Skalny, AV, 2018, The level of toxic elements in edible crops from seleniferous area (Punjab, India), *Biological Trace Element Research*, 184: 523-528

Solovyev N, Tejo Prakash N, Bhatia P, Prakash R, Drobyshv E, Michalke B, 2018, Selenium-rich mushrooms cultivation on a wheat substrate from seleniferous area in Punjab, India, *Journal of Trace Elements in Medicine and Biology* 50: 362-366.

Verma A. Tejo Prakash N, Toor AP, Bansal P, Sangal VK, Kumar A, 2018, Concentrating and non-concentrating slurry and fixed bed solar reactors for degradation of herbicide Isoproturon, *Journal of Solar Energy Engineering*, 140:021006:1-9.

Sharma A, Melo JS, Tejo Prakash N, Prakash R, 2018, Fuel properties of blend and biodiesel generated from acid oil using whole cell biocatalyst, *Energy Sources, Part A: Recovery, Utilization, and Environmental Effects*, 40: 148-154.

Jaiswal SK, Prakash R, Prabhu KS, Tejo Prakash N, 2018, Bioaccessible selenium sourced from Se-rich mustard cake facilitates protection from TBHP induced cytotoxicity in melanoma cells, *Food and Function*, 9: 1998-2004.

He A, Wang W, Tejo Prakash N, Tinkov AA, Skalny AV, Wen Y, Hao J, Guo X, Zhang F 2017, Integrating Genome-Wide Association Study Summaries and Element-gene Interaction Datasets Identified Multiple Associations between Elements and Complex Diseases. *Genetic Epidemiology*, 42:168-173

[Click here to view more publications](#)

#### Books/ Book Chapters

Vidhyalaxmi C, Garg MK, Tejo Prakash N, Khanna S, 2007, In situ Bioremediation of Chlorpyrifos-Contaminated Site. In: *In Situ and On-Site Bioremediation* (Eds Gavaskar AR and Silver CF), Battelle Press, Columbus, OH, Pp L02-L08

Srivastava A, Tejo Prakash N, Prakash R, 2006, Study of selenium in soils and plants using NAA, In: *Current Trends and Perspectives of Neutron Activation Analysis*, BARC Publication, India, Pp.114-115

Gupta S, Kaur H, Prakash R, Ganguli A, Tejo Prakash N, 2004, Bioreduction and crystallization of selenium oxyanions by aerobic bacterium, *Bacillus cereus*. In: *Biotechnological Approaches in Sustainable Development* (Eds. Reddy MSR, Khanna SK), Allied Publishers, New Delhi, Pp. 323-33

Tejo Prakash N, Prakash R, Srivastava RB, 2002, A method for testing material susceptibility to biocorrosion in oil-water interface. In: *Biodeterioration of Materials Vol. 2* (Eds. Srivastava RB, Mathur GN, Agarwal OP), INTACH-DMSRDE Publication, Lucknow, Pp. 42-45

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Deputy Director, TIET

PhD, Industrial Engineering, Thapar Institute of  
Engineering Technology, India

Deputy Director and Professor, Thapar Institute  
of Engineering & Technology, Bhadson Road, Patiala-147004, Punjab

Areas of Interest:

Advanced Manufacturing, Process Optimization, Ergonomics, Higher Education Quality and Excellence, Industrial Engineering

abatish@thapar.edu

Publications

Journal International:

2016

Duvedi, R.K., Bedi, S., Batish, A., Mann, , The Edge--Torus Tangency Problem in Multipoint Machining of Triangulated Surface Models, 2016, The International Journal of Advanced Manufacturing Technology, 82(9), 1959-1972

Sidhu, S.S., Batish, A., Kumar, S, Metal Matrix Composites for Thermal Management: A Review, 2016, Critical Reviews in Solid State and Materials Sciences, 41(2), 132-157

Ashu, Bhattacharya, A., Batish, A., Surface Finish and Dimensional Accuracy of FDM Parts after Cold Vapor Treatment, 2016, Materials and Manufacturing Processes, 31(4), 522-529

Kumar, S., Batish, A., Singh, R., Singh, T.P., Machining Performance of Cryogenically Treated Ti-5Al-2.5Sn Titanium Alloy in Electric Discharge Machining: A Comparative Study, 2016, Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science doi 0954406215628030

Kumar, S., Batish, A., Singh, R., Singh, T.P., Modeling the tool wear rate in powder mixed electro-discharge machining process using dimensional analysis of cryogenically treated electrodes, 2015, Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering doi 0954408915593875

2015

Bhatt, G., Batish, A., Bhattacharya, A., Material Transfer Mechanism during Magnetic Field Assisted Electric Discharge Machining of AISI D2, D3 and H13 Die Steel, 2015, J Engineering Manufacture, 229(1) 62–74

Ashu, Bhattacharya, A., Batish, A., Failure investigation of fused deposition modelling parts fabricated at different raster angles under tensile and flexural loading, 2015, Proc IMechE Part B: J Engineering Manufacture, 1–9

Sidhu, S.S., Batish, A., Kumar, S., Analysis of residual stresses in particulate reinforced aluminium matrix composite after EDM, 2015, Materials Science and Technology, 31(15), 1850-1859 Duvedi, R.K., Bedi, S., Batish, A., Mann, S, Numeric implementation of drop and tilt method of 5-axis tool positioning for machining of triangulated surfaces, 2015, The International Journal of Advanced Manufacturing Technology, 78(9) , Issue 9, 1677-1690

Bhatt, G., Batish, A., Bhattacharya, A., Experimental Investigation of Magnetic field assisted EDM with Powders Mixed in Dielectric Medium, 2015, Particulate Science and Technology: An International Journal 33(3), 246-256

Batish, A., Bhattacharya, A., Powder Mixed Dielectric: An Approach for Improved Process Performance in EDM, 2015, Particulate Science and Technology: An International Journal, 33(2), 150-158

2014

Duvedi, R.K., Bedi, S., Batish, A., Mann, S., A multipoint method for 5-axis machining of triangulated surface models, 2014, CAD Computer Aided Design, 52, 17–26

Kumar, S., Batish, A., Singh, R., Singh, T.P., A Mathematical Model to predict Material Removal Rate during Electric Discharge Machining of Cryogenically Treated Titanium Alloys, (2014), Proceedings of the Institution of Mechanical Engineers, Part B, Journal of Engineering Manufacture, 229(2) 214–228

Sidhu, S.S., Batish, A., Kumar, S, Study of surface properties in particulate-reinforced metal matrix composites (MMCs) using powder-mixed electrical discharge machining (EDM) , 2014, Materials and Manufacturing Processes, 29: 46–52

Kumar, S., Batish, A., Singh, R., Singh, T.P., A hybrid Taguchi-artificial neural network approach to predict surface roughness during electric discharge machining of titanium alloys , 2014, Journal of Mechanical Science and Technology, 28, (7), 2831-2844.

Singh, H., Bhattacharya, A., Batish, A., Finite element modeling and analysis of powder mixed electric discharge machining process for temperature distribution and volume removal considering multiple craters , 2014, International Journal of Modeling, Simulation, and Scientific Computing, 05, (3), 1450009

Gupta, A., Ramagopal, S.V., Batish, A., Bhattacharya, A., A Surface roughness and profile error in precision diamond turning of C18000 , 2014, Materials and Manufacturing Processes, 29, (5), 606-613

Singh, R. P., Batish, A., Singh, T.P., An Experimental Study to Evaluate the Effect of Ambient Temperature during Manual Lifting and Design of Optimal Task Parameters, 2014, Human Factors and Ergonomics in Manufacturing and Service Industries, 24(1), 56-70

Batish, A., Bhattacharya, A., Kaur, M., Cheema, M.S, Hard turning: Parametric optimization using genetic algorithm for rough/finish machining and study of surface morphology, 2014, Journal of Mechanical Science and Technology 28, (5), 1629-1640

Singh, R. P., Batish, A., Singh, T.P., Determination of safe limits of significant task parameters during manual lifting, 2014, Workplace Health & Safety, 62(4):150-60

2013

Sidhu, S.S., Batish, A., Kumar, S., Neural network-based modeling to predict residual stresses during electric discharge machining of Al/SiC metal matrix composites, 2013, Proceedings of the Institution of Mechanical Engineers, Part B, Journal of Engineering Manufacture 227(11) 1679–1692

Sidhu, S.S., Batish, A., Kumar, S., Fabrication and electrical discharge machining of metal-matrix composites: A review , 2013, Journal of Reinforced Plastics and Composites, 32: 1310-1320

Sidhu, S.S., Batish, A., Kumar, S., EDM of metal matrix composite for parameter design using lexicographic goal, 2013, Materials and Manufacturing Processes, 28, 495-500

Bhattacharya, A., Batish, A., Kumar, N., Surface characterization and material migration during surface modification of die steels with silicon, graphite and tungsten powder in EDM process, 2013, Journal of Mechanical Science and Technology, 27 (1) 133-140

Bhattacharya, A., Batish, A., Predictor equations for estimating crater dimensions in PMEDM process using fem simulation and experimental validation, 2013, Materials Science Forum, 751, 45-60 2012

Bhattacharya, A., Batish, A., Singh, M, Experimental studies to validate simulated results for nozzle effectiveness using multi-response optimisation during cylindrical grinding process , 2012, International Journal of Materials Engineering Innovation 3 (3/4), 165 – 189

Bhattacharya, A., Batish, A., Singh, G., Singla, V.K, Optimal parameter settings for rough and finish machining of die steels in powder mixed EDM, International Journal of Advanced Manufacturing Technology 61, (5-8), 537-548

Bhattacharya, A., Batish, A., Effect of process variables on microhardness, grain size and strain during machining of various die steels with powder-mixed electric-discharge machining using dummy treated experimental design , 2012, Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 226, (7). 1192-1204.

Bhattacharya, A., Batish, A., Singh, K, FE simulation and experimental validation of powder mixed EDM process for estimating the temperature distribution and volume removed in single crater , 2012, International Journal of Modeling, Simulation, and Scientific Computing, Volume: 3, (2)

Batish, A., Bhattacharya, A., Singla, V.K., Singh, G., Study of material transfer mechanism in die steels using powder mixed electric discharge machining, 2012, Materials and Manufacturing Processes, 27, 449-456

2011

Kumar, P., Batish, A., Bhattacharya, A., Duvedi, R.K., Effect of Process Parameters on Microhardness and Microstructure of Heat Affected Zone in Submerged Arc Welding, 2011, Proceedings of the Institution of Mechanical Engineers, Part B, Journal of Engineering Manufacture 225(5), 771-721

Batish, A., Bhattacharya, A., Singh, B., Multi-Response optimization and Empirical Modeling of Cardiopulmonary Responses during Manual Lifting Tasks, 2011, Human Factors and Ergonomics in Manufacturing, 21(1), 29-43"

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Areas of Interest:

Sustainability and Ethics



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Dr. Nair, Director and Dean of LM Thapar School of Management, is an accomplished researcher, professor and a scholar in the area of leadership development and sustainability. He specializes in Strategizing for Sustainability, Social & Commercial Entrepreneurship and Nanomaterials with more than 55 publications in journals of international repute to his credit. He has been cited more than 2600 times in academic journals with a Google Scholar H-factor of 26. Dr. Nair has worked both in academia and industry and has a combined experience of more than 30 years in various industries such as oil & gas (Shell in Amsterdam), education (Netherlands, Denmark, US, Japan, China and South Korea), consulting (PwC, Japan and the US) and advanced R&D (NL, Japan and US).

His current interests are in the areas of leadership for sustainability and entrepreneurship with a focus on using evolutionary psychology principles to improve human condition and organizational effectiveness. He has taught, consulted, researched and conducted executive and leadership development workshops in the US, India, Japan, the Netherlands, China, UK and South Korea, in companies such as Ericsson, Texas Capital Bank, Citi Bank, Hitachi, NEC, Kao, Alcatel-Lucent, Compucom, Genesys Labs, Pzer etc.

Before joining LM Thapar School of Management, he was a Clinical Professor of Organization, Strategy and International Management and the Academic Director of the Leadership Center at the University of Texas at Dallas. He was also an aliate Professor at the Department of Materials Science and Engineering at the same University. He has a Ph.D. from the University of Twente in the Netherlands and a Doctor of Engineering (Dr. Engineering) from the University of Tokyo, Japan, an MBA from Heriot-Watt University in the UK and an M.Tech in metallurgical engineering from IIT, Kharagpur, India.

## PATENTS

Padmakumar Nair (K-N.P. Kumar), K. Keizer and A.J. Burggraaf, European Patent Application No. NL/08.01.93/ NL 9300038 dated Jan. 05th 1994.

Padmakumar Nair (K-N.P. Kumar) and P.W. Lednor, US Patent # 5,658,497, International Patent Application No. PCT/EP95/04713, dated August 19th, 1997.

## PUBLICATIONS

### Journal Publications

Peter van der Sijde, P Nair, Wim During, "Graduates' Perception of Employment in SMEs and Large Enterprises," International Journal of Business and Social Science Vol. 4 No. 6 (2013)

S.K. Sharma, Himanshu Gupta, L.P. Purohit, K.-N.P. Kumar, BoGyun Kim, R. Kumar, R.M. Mehra, "Optical properties of Se or S-doped hydrogenated amorphous silicon thin films with annealing temperature and dopant concentration", Journal of Alloys and Compounds 509 (2010) 3338–3342

Suminto Winardi, Rino R. Mukti, K-N. P. Kumar, Junzheng Wang, Wilfried Wunderlich, and Tatsuya Okubo, "Critical Nuclei Size, Initial Particle Size and Packing Effect on the Phase Stability of Sol-Peptization-Gel-Derived Nanostructured Titania", *Langmuir*, 26(7), 4567–4571 (2010)

K-N.P. Kumar, D.J. Fray, J. Nair, F. Mizukami and T. Okubo, "Alcohol washing as a way to stabilize the anatase phase of nanostructured titania through controlling particle packing" *J Mater Sci.*, DOI 10.1007/s10853-009-3819-7 (2009)

Shuqiang Jiao, K-N. P. Kumar, Kamal Tripuraneni Kilby, Derek J. Fray, "Preparation and electrical properties of  $x\text{CaRuO}_3/(1-x)\text{CaTiO}_3$  perovskite composites", *Materials Research Bulletin* 44 1738–1742 (2009)

S.K. Sharma, K-N.P. Kumar, K.J. Kang and R.M. Mehra, "Effect of illumination on hydrogenated amorphous silicon thin films doped with chalcogens" *J. Non. Cryst. Solids.*, vol. 355, 31-33, 1638-1643 (2009)

Jeff Hicks and Padmakumar Nair, "If You Cannot Solve The Problem, Change It! Techniques For Effective Problem Design", *Journal of Practical Consulting*, Vol. 3 Iss. 2, pp. 14-21 (2009)

Jeff Hicks, Padmakumar Nair and Celeste Wilderom, "What if we shifted the basis for consulting from knowledge to knowing? Exploring an alternative approach to consulting practice", *Management Learning*, Vol 30 (3) July (2009)

K. Prabhakaran, J. Kurian, K-N.P. Kumar and Y. Chabal, "Formation of periodic nanostructure network through substrate-mediated assembly", *Applied Surface Science*, Vol. 255, Issue 5, Part 1, 30 December (2008)

K-N.P. Kumar, D.J. Fray, J. Nair, F. Mizukami and T. Okubo, "Enhanced Phase Transformation without Exaggerated Particle Growth in Nanostructured Titania" *Scrpta. Mater.*, Vol 57/8 pp 771-774 (2007)

Jalajakumari Nair, Padmakumar Nair, Giel B. M. Doesburg, Jan G. Van Ommen, Julian R. H. Ross, and Anthonie J. Burggraaf and Fujio Mizukami, "Pore Structure Evolution of Lanthana–Alumina Systems Prepared through Coprecipitation", *J. Am. Ceram. Soc.*, 83 [8]: 1942-1946, (2000)

Jalajakumari Nair, Padmakumar Nair, Giel B. M. Doesburg, Jan G. Van Ommen, Julian R. H. Ross, and Anthonie J. Burggraaf and Fujio Mizukami, "Sintering of Lanthanum Zirconate", *J. Am. Ceram. Soc.*, 82 [8]:2066-72, (1999)

Padmakumar Nair, J. Nair, Anuj Raj, Kazuyuki Maeda, Fujio Mizukami, Tatsuya Okubo and Hiroyuki Izutsu, "Critical Nuclei Size Effect in the Densification of Nanostructured Niobia Ceramics", *Materials Res. Bulletin* (34, 3, 1999)

Jalajakumari Nair, Padmakumar Nair, F. Mizukami, O. Oozawa, and T. Okubo, "Microstructure and Phase Transformation Behaviour of Doped Nanostructured Titania", *Materials Res. Bulletin* (34, 8, 1999)

J. Nair, Padmakumar Nair, E. B. M. Doesburg, J. G. Van Ommen, A. J. Burggraaf, F. Mizukami, "Textural stability as a characterization tool of high temperature catalysts" *Mat Res Innovat* 2 [2], 72-78 (1998)

Martine Salou, Yoshimichi Kiyozumi, Fujio Mizukami, Padmakumar Nair, Kazuyuki Maeda and Shuichi Niwa, "Influence of Solid-state Transformation Time on the Nucleation and Growth of Silicalite 1 Prepared From Layered Silicate", *J. Materials Chem.*, 8 [9], 2125-2132 (1998)

Gyula Tasi, Fujio Mizukami, Istvan Palinko, Jozef Csontos, Werner Gyorffy, Padmakumar Nair, Kazuyuki Maeda, Makoto Toba, Shuichi Niwa, Yoshimichi Kiyozumi and Imre Kirichi, "Enumeration of the Conformers of Unbranched Aliphatic Alkanes", *J. Phys. Chem. A* 102, 7698-7703 (1998)

Padmakumar Nair, F. Mizukami, Jalajakumari Nair, M. Salou, Y. Oozawa, H. Izutsu, K. Maeda and T. Okubo, "Pore-structure stabilization of nanostructured rutile titania

containing a "structure-directing second-phase stabilizer" Materials Res. Bulletin, 33 [10] 1495-1502 (1998)

J. Nair, Padmakumar Nair, J.G. van Ommen, J.R.H. Ross and A.J. Burggraaf, "Effect of post-precipitation treatment on the pore-structure stability of sol-gel derived lanthanum zirconate", J. Am. Ceram. Soc. 81, 1487 (1998).

J.. Nair, Padmakumar Nair, J.G. van Ommen, J.R.H. Ross , A.J. Burggraaf and F. Mizukami, "Influence of peptisation and ethanol washing on the pore structure evolution of sol-gel derived alumina catalyst supports" J. Am. Ceram. Soc. 81, 2709-12 (1998)

Padmakumar Nair, J. Nair, E.B.M. Doesburg, J.G. van Ommen, J.R.H. Ross , A.J. Burggraaf, Y. Oosawa and F. Mizukami , "Porous Nanocomposites 2: Pore-Structure Stability of Pure ZrO<sub>2</sub>, ZrO<sub>2</sub> (matrix)-Al<sub>2</sub>O<sub>3</sub> and Al<sub>2</sub>O<sub>3</sub> (matrix)-ZrO<sub>2</sub> Nanocomposites" J. Porous Materials 6 (1): 69-76 (1999)

J.. Nair, Padmakumar Nair, J.G. van Ommen, E.B.M. Doesburg , A.J. Burggraaf and F. Mizukami "Preparation and Characterization Of Lanthanum Zirconate, J. Mat. Sci., 33:4517-4523 (1998)

Padmakumar Nair, T. Okubo, F. Mizukami, J. Nair. K. Keizer and A.J. Burggraaf, " High Temperature Catalyst Supports and Ceramic Membranes: metastability and particle packing", AIChE J., 43 [11A] 2710 (1997)

H. Izutsu, Padmakumar Nair and F. Mizukami, "Structure and Properties of TiO<sub>2</sub>-SiO<sub>2</sub> prepared by Sol-Gel Method in the Presence of Tartaric Acid", Mater. Res. Bull., 32, 9, 1303-1311 (1997)

H. Izutsu, Padmakumar Nair and F. Mizukami, "Physical Stabilization of Anatase (TiO<sub>2</sub>) by Freeze Drying", J. Mater. Chem., 7(6), 855-856 (1997)

H. Izutsu, F. Mizukami, Padmakumar Nair, Y. Kiyozumi and K. Maeda, "Preparation and Characterization of Porous Silica Spheres by the Sol-Gel Method in the Presence of Tartaric Acid", *J. Mater. Chem.*, 7, 767-771 (1997)

K-N.P. Kumar, J. Tranto, Jalajakumari Kumar, J.W. Høj and J.E. Engell, "Pore-Structure Stability and Phase Transformation in M (M=La,Ce,Nd,Gd,Cu,Fe)-doped Porous Nanostructured Alumina Membranes", *J. Mater. Sci. Lett.*, 15, 266-270 (1996)

K-N.P. Kumar, Jalajakumari Kumar, K. Keizer, T. Okubo, M. Sadakata and J. Engell, "Pore-Structure Stabilization by Controlling the Particle Coordination", *J. Mater. Sci. Lett.*, 14, 1784-87 (1995)

K-N.P. Kumar, "Growth of Rutile Crystallites During the Initial Stage of Anatase-to-rutile Transformation in Pure Titania and in titania-alumina nanocomposites", *Scripta Metallurgica and Materialia*, 32 [6], 873-877 (1995)

K-N.P. Kumar, "Porous Nanocomposites as Catalyst Supports Part I. 'Second phase stabilization', Thermal Stability and anatase-to-rutile transformation in titania-alumina nanocomposites", *Appl. Catal.*, 119 [1], 163-183 (1994)

K-N.P. Kumar, J. Tranto, B.N. Nair, Jalajakumari Kumar, J.W. Høj and J.E. Engell, "Effect of Sintering Atmosphere on the Pore-Structure Stability of Ce-Doped Nanostructured Alumina", *Mat. Res. Bull.*, 29 [5], 551-558 (1994)

K-N.P. Kumar, Jalajakumari Kumar and K. Keizer, "Effect of Peptization on the Densification and Phase Transformation Behaviour of Sol-Gel Derived Nanostructured Titania", *J. Am. Ceram. Soc.*, 77 [5], 1396-1400 (1994)

R.S.A. de Lange, K-N.P. Kumar, J.H.A. Hekkink, G.M.H. van de Veld, K. Keizer, A.J. Burggraaf, W.H. Dokter, H.F. van Garderen and T.P.M. Beelen, "Microporous SiO<sub>2</sub> and SiO<sub>2</sub>/MO<sub>2</sub> (M is Ti, Zr or Al) For Ceramic Membrane Applications; A Microstructural Study of the Sol-stage and the Consolidated State", *J. Sol-gel Science and Technology*, 2, 489-495 (1994)

K-N.P. Kumar, K. Keizer and A.J. Burggraaf, "Stabilization of the Porous Texture of Nanostructured Titania by Avoiding a Phase Transformation", *J. Mater. Sci. Let.*, 13, 59-61 (1994)

K-N.P. Kumar, K. Keizer, A.J. Burggraaf, "Textural Evolution and Phase Transformation in Titania Membranes: I Unsupported membranes", *J. Mat. Chem.*, 3, 1141-1149 (1993)

K-N.P. Kumar, K. Keizer, A.J. Burggraaf, T. Okubo, and H. Nagamoto, "Textural Evolution and Phase Transformation in Titania Membranes: II Supported membranes", *J. Mat. Chem.*, 3, 1151-1159 (1993)

K-N.P. Kumar, K. Keizer and A.J. Burggraaf, "Textural Stability of Titania-Alumina Composite Membranes", *J. Mat. Chem.*, 3, 917-922 (1993)

K-N.P. Kumar, K. Keizer, A.J. Burggraaf, T. Okubo, and H. Nagamoto, "Synthesis and Textural Properties of Rutile Membranes" *J. Mat. Chem.*, 3, 923-929 (1993)

K-N.P. Kumar, K. Keizer, A.J. Burggraaf, T. Okubo, S. Morooka and H. Nagamoto, "Densification of Nanostructured Titania Assisted by a Phase Transformation", *Nature (London)*, 358, 48-51 (1992)

K-N.P. Kumar, V.T. Zaspalis, K. Keizer and A.J. Burggraaf, "Drying Process in the Formation of Sol-Gel Derived TiO<sub>2</sub> Ceramic Membranes", *J. Non. Cryst. Solids.*, 147 & 148, 375-381 (1992)

J.H.L. Voncken, C. Lijzenga, K-N.P. Kumar, K. Keizer, B.C. Bonekamp and A.J. Burggraaf, "A New Method for the Measurement of Stress During Drying of Thin Gel Layers Produced During the Formation of Ceramic Membranes", *J. Mat. Sci.* 27, 472-478 (1992)

H.K. Varma, K-N.P. Kumar, K.G.K. Warriar and A.D. Damodaran, "Silver-YBCO Composite Derived From Citrate Gel", Supercond. Sci. Technol., 3, 73-75 (1990)

K-N.P. Kumar, R. Ramesh, K. Seshan and V.C.S. Prasad, "Liquid-Phase Sintering of Lead Borosilicate Glass-Alumina Composites", J. Mat. Sci. Lett., 9, 663-665 (1990)

H.K. Varma, K-N.P. Kumar, K.G.K. Warriar and A.D. Damodaran, "Thermal Decomposition of Citrate Precursor for 1-2-3 High-Tc Superconductor", J. Mat. Sci. Lett., 8, 1313-1316 (1989)

H.K. Varma, K-N.P. Kumar, K.G.K. Warriar and A.D. Damodaran, "Effect of K<sub>2</sub>O on the Sintered Microstructure of Praseodymium-Doped ZnO Varistors", J. Mat. Sci. Lett., 8, 974-976 (1989)

K-N.P. Kumar and A.D. Damodaran, "Sintering of Solution Infiltrated SnO<sub>2</sub> Ceramics", J. Mat. Sci. Lett., 1425-1426 (1989)

K-N.P. Kumar, V.C.S. Prasad, P.S. Mukherjee and P.G. Mukunda, "Behaviour of Lead Borosilicate Glass/Alumina Composite in the Temperature Range 900-1100°C", Mat. Sci. & Eng., B5, 1-4 (1989)

#### Other Refereed Publications

K-N.P. Kumar, V.T. Zaspalis, F.F.M. De Mul, K. Keizer and A.J. Burggraaf, "Thermal Stability of Supported Titania Membranes", Better Ceramics Through Chemistry V, MRS, 1992



K-N.P. Kumar, K. Keizer and A.J. Burggraaf, "Stress Development during the Formation of Ceramic Membranes", Proc. 2nd Eur. Conf. Adv. Mater. Processes (1991), Vol. 3, pp. 204-10, Eds. T.W. Clyne and P.J. Withers, Inst. Mater., London

C. Lijzenga, V.T. Zaspalis, C.D. Ransijn, K-N.P. Kumar, K. Keizer and A.J. Burggraaf, "Nanostructure Characterization of Titania Membranes", Key Eng. Mat., 61 & 62, 379-382 (1991)

K. Keizer, K-N.P. Kumar, C. Lijzenga, V.T. Zaspalis and A.J. Burggraaf, "Stress Development During the Formation of Ceramic Membranes-Stressrelaxation in alumina-titania composite membranes during drying", Key Eng. Mat., 61 & 62, 433-436 (1991)

H.K. Varma, K-N.P. Kumar, B. Jalajakumari, K.G.K. Warriar and A.D. Damodaran, "Mechanical and Electrical Properties of Yttrium Barium Copper Oxide (YBCO)-Polyethylene composites", Proc. Int. Conf. Adv. Compos. Mater. (1990), pp. 111-122, Ed. P. Ramakrishna, Oxford & IBH, New Delhi, India, 1991.

K-N.P. Kumar, J.H.L. Voncken, C. Lijzenga, K. Keizer and A.J. Burggraaf, "Initial Stage of Formation of Ceramic Membranes Produced Through Sol-Gel Route", Proc. Int. Cong. Membranes and Membrane Processes, ICOM '90, Chicago, U.S.A., Aug. 20-24, 1990

H.K. Varma, K-N.P. Kumar, K.G.K. Warriar and A.D. Damodaran, "Non-Ohmic Behaviour and Microstructure control of Rare Earth-Doped Zinc Oxide Containing Potassium Oxide", Diffus. Defect Data, Part B, B8-9, 549-553 (1990)

J.H.L. Voncken, K-N.P. Kumar, S.P.M. Oude Vrielink, K. Keizer, B.C. Bonekamp and A.J. Burggraaf, "Process Parameters Influencing the Formation of Ceramic Membranes by Sol-Gel Techniques", Proceedings of the International Congress on Synthetic Membranes, Tübingen, Germany, 1989.

## Book Chapter(s)

Divya Bhutani, Kimberly Flicker, Padmakumar Nair and Aard Groen “Is Social Entrepreneurship Transformational Leadership in action?” in Patterns in Social Entrepreneurship Research"" (Edward Elgar), Edited by Jill Kikul and Sophie Bacq 2012

## Recent Invited Talks

Bhutiani, D, and Padmakumar Nair, invited talk on “Embedding Sustainability” at the AACSB 2019 Asia Pacific Annual Conference on 21-23 October in Seoul, South Korea., 2019

Padmakumar Nair and Johan Roos, invited talk on “What Does the Business School of the Future Look Like? At the Deans Conference of AACSB, Nashville, USA, Feb 4th 2020

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