

### Advanced Materials and Metallurgical

S. No.	Name Prefix	Name	Designation	Department	Organization	City of your current residence	Area of your specialization for Selected Thematic Area	Number of Industrial Projects / Consultancies done in Past	Experience (in years) of Industrial Projects / Industrial Consultancy	Total Research Experience (In Years)
1	Dr.	Rohit Kumar Sharma	Assistant Professor	Chemistry	Panjab University	Chandigarh	Understanding properties of advanced materials; chemical analysis	1	2	
2	Dr.	Rajeev Kumar	Assistant Professor	Environment Studies	Panjab University	Chandigarh	Chemistry and nanomaterials	0	0	12
3	Dr.	Manoj Kumar Nayak	Principal Scientist	Chemistry	CSIR-CSIO	Chandigarh	Magnetic recyclable ion exchange resins Molecularly imprinted polymer nanaomaterials Edible coating materials	0	0	0
4	Mr.	Aashish Kumar	Research Scholar	Electronics and Communication Engineering	Chitkara University	Patiala, Punjab (India)	Electronics and Electrical properties of Metal oxide nanoparticles	0	0	0
5	Dr.	Ravi Kant	Assistant Professor	Metallurgical and Materials Engineering	PEC	Chandigarh	Mechanical property, Thermal property, Wear, structure property correlation.	0	0	0
6	Dr.	Pooja Devi	Principal Scientist	Metallurgical and Materials Engineering	CSIR-CSIO	Chandigarh	2D Materials, Wastewater, Hydrogen, Air Purification, Sensors, Quality, Electrochemical	2	2	11
7	Dr.	Kamlesh Kumar	Sr. Scientist	Chemical Engineering and Physical Science	CSIR-CSIO	Chandigarh	Polymer science and Technology	0	0	15
8	Dr.	Rajiv Kumar	Assistant Professor	Metallurgical and Materials Engineering	PEC	Chandigarh	Powder metallurgy; Alloys Development; Nanocrystalline materials; Corrosion; High temperature oxidation; Materials Characterization	0	0	5
9	Dr.	Sandan Kumar Sharma	Assistant Professor	Metallurgical and Materials Engineering	PEC	Chandigarh	Structural Ceramics Composites and Tribology	0	0	5
10	Dr.	Amit Chauhan	Associate Professor	Mechanical Engineering	Panjab University	Chandigarh	Aluminium Composites, bearing material, nano-lubrication	0	0	15
11	Dr.	Raj Kumar Roy	Assistant Professor	Chemistry	IISER	Mohali	Polymer synthesis	0	0	14
12	Dr.	Mamta Shatma	Assistant Professor	Applied Science	Panjab University	Chandigarh	Sensors	0	0	10
13	Dr.	Rohit Kumar Sharma	Assistant Professor	Chemistry	Panjab University	Chandigarh	Application of new materials and chemical analysis	1	2	18
14	Dr.	Rajesh Kumar	Associate Professor	Mechanical Engineering	Panjab University	Chandigarh	Composite Material, polymers	2	4	15
15	Dr.	Sushil Kumar	Research Scholar	Metallurgical and Materials Engineering	PEC	Chandigarh India	Polycrystalline Transparent Ceramics their processing and future applications	2	6	8

### Agriculture

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1	Dr.	Santosh Satbhai	Assistant Professor	Biological Sciences	IISER	Mohali	Plant stress physiology, Plant nutrition, Climate change	0	0	15
2	Dr.	Ickkshaanshu Sonkar	Assistant Professor	Civil Engineering	IIT Ropar	Rupnagar	Water and solute flow modeling in soils and groundwater Soil-water-plant interaction Soil salinity Drought mitigation and management	3	1.5	2
3	Dr.	Aaditya Dar	Assistant Professor	Economics and Public Policy	ISB	Washington DC	Agri-tech, weather & crop insurance, stubble burning, groundwater, mechanization, post harvest loss, farm to table, land mapping, advisory services	0	0	10
4	Dr.	Ram Yadav	Associate Professor	Biological Sciences	IISER	Mohali	Plant stem cells, Meristem, Flower Development, Plant Biotechnology	0	0	15
5	Dr.	Rishemjit Kaur	Principal Scientist	Other	CSIR-CSIO	zirakpur	Artificial Intelligence, crowd sourcing platforms, machine learning, image processing, precision agriculture, poultry health analytics	4	2	11

### AI / ML / Image Processing / IoT / Embedded System Development

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1	Dr.	Anuj Sharma	Assistant Professor	Computer Science & Applications	Panjab University	Chandigarh	Artificial Intelligence, Machine Learning, Pattern Recognition	1	1	11
2	Dr.	Mukesh Kumar	Scientist	Instrumentation Engineering	CSIR-CSIO	Chandigarh	Developed Instrumentation for Industry 4.0 and Energy Data Analytics based devices.	2	2	5
3	Dr.	Manish Kumar	Assistant Professor	Computer Science Engineering	PEC	Chandigarh	Web crawling, software testing, data science, information Retrieval	1	0	10
4	Dr.	Subhrendu Guha Neogi	Associate Professor	Computer Science Engineering	LPU	Kolkata	Cyber Security in IoT	4	20	10
5	Dr.	Abhinav Dhall	Assistant Professor	Computer Science Engineering	IIT Ropar	Ropar	AI, deep learning, computer vision, speech processing	6	5	14
6	Prof.	Dr. Praveen Kumar Malik	Professor	Electronics and Communication Engineering	LPU	Jalandhar	Embedded Systems, IoT and Antenna	1	1	17

7	Dr.	Seema Rawat	Associate Professor	Computer Science Engineering	Amity University	Tashkent, Uzbekistan Amity University campus	Data analytics, AI, Cloud computing	3	12	15
8	Dr.	Sachin Kumar	Assistant Professor	Electronics and Communication Engineering	Amity University	Lucknow	Digital image processing	2	6	17
9	Dr.	Sachin Chaudhary	Assistant Professor	Computer Science Engineering	PEC	Chandigarh	Computer Vision	1	2	7
10	Dr.	Amandeep Verma	Associate Professor	Information Technology	Panjab University	Chandigarh	Security, IoT, Scheduling, Human Action recognition	0	0	10
11	Dr.	Anuj Kumar	Assistant Professor	Computer Science & Applications	Panjab University	Chandigarh	pattern recognition, image processing	0	0	11
12	Er.	Siddhartha Sarkar	Scientist	Instrumentation Engineering	CSIR-CSIO	Chandigarh	Machine Learning and Inferencing, Edge processing, Embedded Signal Acquisition and Processing System, Programmable Logic, FPGA, ZYNQ, ADC Interfacing	1	1	8
13	Dr.	Mala Kalra	Assistant Professor	Computer Science Engineering	NITTTR	Chandigarh	ML, IoT	0	0	7
14	Dr.	VIPAN KUMAR	Sr. Principal Scientist	Electronics and Communication Engineering	CSIR-CSIO	Chandigarh	Optoelectronics and Avionics	10	30	30
15	Dr.	Ritesh Kumar	Principal Scientist	Computer Science Engineering	CSIR-CSIO	Zirakpur	Machine learning, computer vision, deep learning, app development, software development	6	8	10
16	Dr.	Rishemjit Kaur	Principal Scientist	Other	CSIR-CSIO	zirakpur	AI, machine learning, social media analytics, natural language processing, food, nutrition & agriculture, social computing, big data	4	2	11

### Automation / Mechatronics / Robotics

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1	Dr.	Ranjan Jha	Scientist	Bio-Medical Engineering	CSIR-CSIO	Chandigarh	Mathematical Modelling, Kinematics and Dynamics of Parallel Robots, Surgical Robots, Flexible Robots	1	2	6
2	Dr.	Ekta Singla	Associate Professor	Mechanical Engineering	IIT Ropar	Patiala	Customized robotics design, modular systems, optimal solutions	3	5	16
3	Dr.	Amit Thakur	Assistant Professor	Mechanical Engineering	Panjab University	CHANDIGARH	Automation	2	3	8
4	Dr.	Mukesh Kumar	Assistant Professor	Mechanical Engineering	CCET, Chandigarh	Chandigarh	Mechatronics, Robotics	0	0	16
5	Dr.	Shankar Sehgal	Associate Professor	Mechanical Engineering	Panjab University	Chandigarh	Vibration Monitoring, Machine Health Monitoring, Design of New Products, MR Damper	1	1	16

**Biomass / Biofuel / Valorisation / Bioprocessing**

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1	Dr.	Shunmugavel Saravanamurugan	Sr. Principal Scientist	Chemistry	CIAB	Mohali	Biomass valorisation, Speciality Chemicals, Biofuel additives, Catalysis, Nanoporous materials, zeolite, metal oxides, Ionic liquid; CO2 Capture	2	3	20
2	Dr.	Jayeeta Bhaumik	Principal Scientist	Nanoscience & Nanotechnology	CIAB	Mohali	Synthetic chemistry, coating, film, adsorbent, hydrogel, photoactive materials	0	0	15

**Biotechnology**

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1	Dr.	Santosh K Upadhyay	Assistant Professor	Botany	Panjab University	Chandigarh	Plant Biotechnology; Functional genomics; Transgenic plants; Genome engineering using CRISPR; Recombinant proteins expression and characterization...	3	8	
2	Dr.	Jagdish Rai	Assistant Professor	Forensic Science & Criminology	Panjab University	chandigarh	Protein design	0	0	
3	Dr.	Nidhee Chaudhary	Professor	Biotechnology	Amity University	Noida	Enzyme Technology; Bioprocess Technology	0	0	18
4	Dr.	Vishwajeet Mehandia	Associate Professor	Chemical Engineering	IIT Ropar	Ropar	Complex Fluid Dynamics, Dynamics of Particulate Suspensions , Dynamics of Granular Materials, Biophysics and Biotechnology,	0	0	20
5	Dr.	Sachin Kumar	Associate Professor	Mechanical Engineering	IIT Ropar	Rupnagar (Punjab)	Hard and Soft Tissue Modeling and Characterization	0	0	7
6	Prof.	Rajni Singh	Department Head / Coordinator	Microbiology	Amity University	Noida	molecular biology, enzymes production and purification	1	2	22
7	Prof.	Ashwani Pareek	Professor	Biological Sciences	NABI	Mohali, Punjab	Crop engineering for making them strong and nutritious.	2	10	25
8	Dr.	Dr Siddharth Tiwari	Scientist	Biotechnology	NABI	Mohali	Plant tissue culture and genetic engineering	0	0	20
9	Prof.	Naresh Rakha	Director	Biotechnology	RBU, Mohali	Kharar, Mohali	Ph.D. (Immunology), University of Liverpool, England. 2. PDF (Biotechnology, UN); PDF (Biotechnology, Japan)	6	12	42

**Business / Commerce / Finance**

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1	Dr.	Aman Khera	Assistant Professor	Business Management and Commerce	Panjab University	Chandigarh	Business Laws and Management	0	5	11

**Business / Entrepreneurship / Commerce / Finance / Economics / Accounting**

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1	Prof.	RAVI INDER SINGH	Professor	Business Management	Panjab University	LUDHIANA	International Finance, Funds Management, Accounts	0	0	15
2	Dr.	Sanjiv Gupta	Other	Operations Management	PEC	Chandigarh	Building up start up	2	8	4
3	Dr.	Kulwinder Singh	Assistant Professor	Business Management	Panjab University	CHANDIGARH	Strategy formulation and execution, pricing strategy, operations management	2	2	12
4	Ms.	Priyanka Raghav	Sr. Scientist	Business Management	CSIR-CSIO	Chandigarh	Business Development, Technology Commercialization, Knowledge Transfer, R&D Management	0	0	4
5	Dr.	Smruti Ranjan Behera	Associate Professor	Humanities and Social Sciences	IIT Ropar	Ropar, Punjab	Patent and innovation in industries, Urban and agglomeration economics, energy consumption, resource economics and climate change	3	5	15

**Civil / Infrastructure / Construction**

S. No.	Name Prefix	Name	Designation	Department	Organization	City of your current residence	Area of your specialization for Selected Thematic Area	Number of Industrial Projects / Consultancies done in Past	Experience (in years) of Industrial Projects / Industrial Consultancy	Total Research Experience (In Years)
1	Prof.	Ajay Duggal	Associate Professor	Civil Engineering	NITTTR	CHANDIGARH	Highway Engg , Transportation Engg , Alternative Materials	120	27	15
2	Prof.	Yatindra Kumar	Assistant Professor	Civil Engineering	PEC	H.No. 809, PEC Campus, Chandigarh	Water and Soil Engineering	0	0	0
3	Dr.	Har Amrit Singh Sandhu	Assistant Professor	Civil Engineering	PEC	Chandigarh	Digital Mapping / Remote Sensing /GIS	6	18	12

**Civil / Infrastructure / Construction / Geospatial Techniques**

S. No.	Name Prefix	Name	Designation	Department	Organization	City of your current residence	Area of your specialization for Selected Thematic Area	Number of Industrial Projects / Consultancies done in Past	Experience (in years) of Industrial Projects / Industrial Consultancy	Total Research Experience (In Years)
1	Dr.	Har Amrit Singh Sandhu	Assistant Professor	Civil Engineering	PEC	Chandigarh	Digital Mapping, Remote Sensing, GIS, DGPS, Advanced Surveying etc.	6	15	12
2	Dr.	Aradhana Mehta	Associate Professor	Civil Engineering	CCET, Chandigarh	Chandigarh	Structures and highways	20	20	10
3	Dr.	Indramani Dhada	Assistant Professor	Civil Engineering	IIT Ropar	Rupnagar, Punjab	Environmental engineering	16	6	8
4	Ms.	Poonam	Assistant Professor	Civil Engineering	CCET, Chandigarh	Panchkula	Earthquake resistant design, repair and retrofitting of structures, disaster management,	5	5	15
5	Dr.	Deepti Pande Rana	Associate Professor	Other	Amity University	Lucknow	Architecture and Interior Design	10	20	10
6	Dr.	S.K Singh	Professor	Civil Engineering	PEC	New Chandigarh	Geotechnical/ Geo-environmental Engineering (Soil investigation, Foundation design, Slope stability, Landfill, Highway embankment and pavement design)	200	27	23

**Clean Energy / Renewable Energy / Energy Storage**

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1	Dr.	Mukesh Kumar	Scientist	Instrumentation Engineering	CSIR-CSIO	Chandigarh	Developed instrument for real time monitoring of Grid connected Solar system, Solar/wind Hybrid system using data driven approach	2	2	2
2	Dr.	Dhiraj Kumar Mahajan	Associate Professor	Mechanical Engineering	IIT Ropar	Rupnagar	Hydrogen	6	6	12
3	Dr.	Dhiraj Kumar Mahajan	Associate Professor	Mechanical Engineering	IIT Ropar	Rupnagar	Hydrogen	6	6	12
4	Dr.	Mohd Alam	Assistant Professor	Electrical Engineering	PEC	Chandigarh	Solar photovoltaic and Fuel cell system	0	0	0
5	Dr.	Tejinder Singh Saggi	Assistant Professor	Electrical Engineering	PEC	Chandigarh	Solar energy, Power quality, Harmonics	5	9	12
6	Dr.	Mahesh Kumar Yadav	Assistant Professor	Mechanical Engineering	PEC	Chandigarh	Phase Change Heat Transfer, Hydrogen Management and Mitigation, Inverse Heat Transfer, Heat Flux Sensor	2	5	10
7	Dr.	Prateek Srivastava	Associate Professor	Mechanical Engineering	Chitkara University	Chandigarh	Green Building Certification, HVAC System, Energy and water audit, Solar Energy	7	7	7
8	Dr.	Jagdish Kumar	Department Head / Coordinator	Electrical Engineering	PEC	Chandigarh	Electrical Engineering	105	12	26

9	Prof.	S.K. Soni	Professor	Microbiology	Panjab University	Chandigarh	Biofuels, Bioenergy, Bioethanol,	10	20	35
10	Dr.	DEBAPRASAD MANDAL	Associate Professor	Chemistry	IIT Ropar	MOHALI	Zn-air, LiS and NaS Battery, solid state battery, Membrane for Fuel cell, Aqueous battery	2	2	15
11	Dr.	Sanjeev Gautam	Assistant Professor	Chemical Engineering	Panjab University	Chandigarh	Solar energy	2	15	20
12	Er.	Rajeshwaran	Assistant Professor	Aerospace Engineering	PEC	chandigarh	Energy Production, Energy efficiency, Testing	2	2	4
13	Dr.	Debabrata Das	Assistant Professor	Geology	Panjab University	Chandigarh	Gree Energy	1	6	6
14	Prof.	G.S.S. Saini	Professor	Physical Sciences	Panjab University	Chandigarh	DFT calculations on solar cells	0	0	36
15	Dr.	A. V. Ravi Teja	Assistant Professor	Electrical Engineering	IIT Ropar	Rupnagar	Grid integration of solar and wind power generation systems	2	4	12

**Conventional / non-conventional / Micro / Nano Manufacturing**

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1	Dr.	Chandrakant Kumar Nirala	Assistant Professor	Mechanical Engineering	IIT Ropar	Rupnagar	Micro and non-conventional manufacturing	1	0	0
2	Dr.	Ravi Kant	Assistant Professor	Mechanical Engineering	IIT Ropar	Ropar	Non-traditional manufacturing especially Laser Material Processing	2	2	0
3	Dr.	Dhiraj Kumar Mahajan	Associate Professor	Mechanical Engineering	IIT Ropar	Rupnagar	Micro injection molding	6	6	12
4	Er.	Narinder Singh Jassal	Principal Scientist	Mechanical Engineering	CSIR-CSIO	Chandigarh	CNC Machines CAD-CAM FMS-CIM Systems Automation	2	10	18
5	Dr.	Mukesh Kumar	Assistant Professor	Mechanical Engineering	CCET, Chandigarh	Chandigarh	Mechatronics, Robotics, Industrial Engg., Advanced Manufacturing	0	0	16
6	Dr.	Anupam Agrawal	Associate Professor	Mechanical Engineering	IIT Ropar	Rupnagar	Metal forming, Additive Manufacturing, Micro-machining, Laser Machining	5	5	15
7	Dr.	Manoj Kumar Bhuyan	Sr. Scientist	Physical Sciences	CSIR-CSIO	CHANDIGARH	Laser micromachining	2	2	18
8	Dr.	Mandeep Dhanda	Assistant Professor	Production & Industrial Engineering	PEC	Chandigarh	CAD/CAM, Additive Manufacturing, Laser Cladding & Material Characterization	1	5	6

### Disaster Management

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1	Dr.	Hemant Kumar Vinayak	Associate Professor	Other	NITTTR	Chandigarh	Rural Development, Entrepreneurship, Disaster Management, Civil Infrastructure Construction,	40	12	16
2	Dr.	Dr Kapil Goel	Assistant Professor	Community Medicine and School of Public Health	PGIMER	Panchkula	Flood operations	0	0	17

### Health Care / Medical

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1	Prof.	Neena Capalash	Professor	Biotechnology	Panjab University	Chandigarh	Multiple drug resistance and persistence in bacteria, Point of care diagnostics for bacterial infection and cancer epigenetics	1	5	
2	Dr.	Gurpal Singh	Assistant Professor	Pharmaceutical Sciences	Panjab University	Chandigarh	Biomedical Devices, Nanotechnology and Drug Delivery	0	0	
3	Dr.	Ravi P Barnwal	Assistant Professor	Biophysics	Panjab University	Chandigarh	protein/peptide design and aptamer design for biosensor development	0	0	
4	Dr.	Gurpal Singh	Assistant Professor	Pharmaceutical Sciences	Panjab University	Chandigarh	Biomedical Devices, Nanotechnology and Drug Delivery	0	0	
5	Dr.	Varsha Singh	Assistant Professor	Biochemistry	Chitkara University	Mohali	Medical devices, AI, Imaging	1	5	13
6	Dr.	Vishwa Pal	Assistant Professor	Physical Sciences	IIT Ropar	Rupnagar	Microscopy, structured light based microscopy, Optical coherence tomography, bio-photonics	0	0	10
7	Dr.	Bodhisatwa Das	Assistant Professor	Bio-Medical Engineering	IIT Ropar	Ropar	Regenerative medicine	0	0	0
8	Dr.	Samir Kumar Biswas	Assistant Professor	Bio-Medical Engineering	IISER	Sahibzada Ajit Singh Nagar	Biomedical diagnostic Device, microscopy, Ultrasound imaging, Data acquisition system, biomedical sensor and system development	0	0	0
9	Dr.	Dhiraj Kumar Mahajan	Associate Professor	Mechanical Engineering	IIT Ropar	Rupnagar	Class IV medical devices related materials and manufacturing processes	6	6	12
10	Dr.	PRANAV KUMAR PRABHAKAR	Professor	Biochemistry	LPU	Jalandhar	Metabolic disorder, diabetes, secondary complications, alternative therapies for diabetes	0	15	16
11	Dr.	Richa Gupta	Assistant Professor	Other	PGIMER	Chandigarh	Stem cell, senescence, cardiovascular diseases, fetal tissue, thymus	0	0	12
12	Dr.	Neeti Dogra	Associate Professor	Anesthesia	PGIMER	Panchkula	Anaesthesia	1	5	5
13	Dr.	Deepak Kumar Gupta	Professor	Dental	Panjab University	Chandigarh	Orthodontics, material science, Aligners and allied, hearing aids for conductive hearing loss..	1	3	20



14	Mr.	Arindam Chatterjee	Principal Scientist	Electronics and Communication Engineering	CSIR-CSIO	Chandigarh	Biomedical Device, Biomedical Robotics, Microcontroller based Instrumentation	0	0	18
15	Dr.	LOUIS COJANDARAJ	Assistant Professor	Physiotherapy and Paramedical Sciences	LPU	PHAGWARA	Clinical diagnosis, phytomedicine, marine biotechnology, vector biology.	0	0	5
16	Dr.	prashant jindal	Assistant Professor	Mechanical Engineering	Panjab University	Chandigarh	Bone reconstruction 3D modeling and printing	1	5	10
17	Dr.	Kapil Goel	Assistant Professor	Community Medicine and School of Public Health	PGIMER	Panchkula	Epidemiology	0	0	17
18	Dr.	Parikshaa Gupta	Associate Professor	Cytology & Gynaecological Pathology	PGIMER	Chandigarh	Gynecological oncolpathology, Gynecological malignancies, Cytopathology of all tumours	0	0	10
19	Dr.	Dipika Bansal	Assistant Professor	Pharmaceutical Sciences	NIPER	Mohali	Clinical Research, Health Economics and Outcome Research, Pharmacovigilance	0	0	18
20	Dr.	Dipika Bansal	Assistant Professor	Pharmaceutical Sciences	NIPER	Mohali	Clinical Research, Health Economics and Outcome Research, Pharmacovigilance	0	0	18
21	Dr.	Jayanta Samanta	Associate Professor	Gastroenterology	PGIMER	Chandigarh	Medical technology, medical accessories, technology development for medical devices	0	0	9
22	Dr.	Sanjeev Soni	Sr. Principal Scientist	Bio-Medical Engineering	CSIR-CSIO	Chandigarh	Biomedical devices, Mechanisms, Thermal, Optics, nanoparticles, Photothermal cancer therapeutics & drug delivery	2	2	24
23	Dr.	Ramjee Repaka	Associate Professor	Mechanical Engineering	IIT Ropar	Rupangar	Computational models for cancer therapy using minimally invasive thermal techniques	1	1	10
24	Dr.	HEMRAJ NANDANWAR	Sr. Principal Scientist	Biotechnology	IMTECH	Chandigarh	Applied & Clinical Microbiology, Antibiotic/Inhibitor Discovery	4	15	20
25	Dr.	Indu Sharma	Assistant Professor	Zoology	Panjab University	Chandigarh	Research experience in the area of common gynecological disorders such as endometriosis, endometrioid carcinoma of ovary and endometrium, PCOS	0	0	18

### Industrial Engineering

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1	Dr.	Vishwa Pal	Assistant Professor	Physical Sciences	IIT Ropar	Rupnagar	Material processing, laser beam shaping, high-power lasers	0	1	10
2	Dr.	Rajeev Rathi	Associate Professor	Mechanical Engineering	LPU	Phagwara	Lean Six Sigma, Green technology	1	4	9
3	Dr.	Rajendra Srivastava	Professor	Chemistry	IIT Ropar	Gillco Heights, Gillco Valley, Kharar	Heterogeneous Catalysis, catalysts for petrochemicals and fine chemicals industry, Biomass conversion, Photocatalysis	4	2	0
4	Dr.	Sanjiv Gupta	Other	Business Management and Commerce	PEC	Chandigarh	Productivity Improvement	5	10	4
5	Dr.	Mukesh Kumar	Assistant Professor	Mechanical Engineering	CCET, Chandigarh	Chandigarh	Mechatronics, Robotics, Industrial Engg., Advanced Manufacturing	0	0	16
6	Dr.	MANOJ KUMAR PATEL	Principal Scientist	Other	CSIR-CSIO	Chandigarh	Instrumentation and Engineering Technology	3	5	10
7	Dr.	Rajesh Kumar	Associate Professor	Mechanical Engineering	Panjab University	Chandigarh	CAD/CAM, FEA	2	4	15
8	Prof.	Rajendra M. Belokar	Department Head / Coordinator	Production & Industrial Engineering	PEC	CHANDIGARH	Product Design, Six Sigma Black Belt , Value Engineering, Process Design, Digital Manufacturing, Automation, ZED certification and Consultant	50	33	20

### Management / Operations Management / Organizational Behavior / Strategy

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1	Dr.	Sanjiv Gupta	Other	Business Management	PEC	Chandigarh	Total Quality Management	3	20	5
2	Dr.	Harjit Kaur	Assistant Professor	Chemical Engineering	Panjab University	Chandigarh	I specialise in areas such as strategic management, marketing management and research quality management, operations management and related areas.	1	1	7.5

### Mining

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1	Dr.	S. C. Martha	Associate Professor	Mathematics	IIT Ropar	Ropar	Fluid Dynamics and R-T Stability	0	10	12
2	Dr.	Susanta Paikaray	Assistant Professor	Geology	Panjab University	chandigarh	mine drainage remediation, mine waste	3	6	17

### Nanotechnology

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1	Dr.	Gulshan Dhillon	Assistant Professor	Nanoscience & Nanotechnology	Chitkara University	Patiala	Nanomagnetism, in vitro applications	0	0	4
2	Dr.	Ravi Kant	Assistant Professor	Metallurgical and Materials Engineering	PEC	Chandigarh	Dielectric and optical properties, Characterization of nanostructure materials, optoelectronic, energy storage	0	0	0
3	Dr.	Mansi (Chitkara)Vatrana	Professor	Mechanical Engineering	Chitkara University	Muscat,Sultana te of Oman	My core research areas include Nano-materials, Nano-Herbal materials synthesis and characterization for Pharmaceutical and Medical applications	0	0	0
4	Dr.	Suman Singh	Department Head / Coordinator	Nanoscience & Nanotechnology	CSIR-CSIO	Chandigarh	Waste treatment, clean energy, Biotechnology, Materials, food processing	4	1	20
5	Dr.	Balwinder Raj	Associate Professor	Electronics and Communication Engineering	NITTTR	Chandigarh	Microelectronics and VLSI Design	1	1	1
6	Dr.	Vivek Bagchi	Assistant Professor	Chemistry	INST	Mohali	Energy conversion and storage, environmental remediation...	2	2	19
7	Dr.	Bhanu Prakash	Scientist	Nanoscience & Nanotechnology	INST	SAS Nagar Mohali	Healthcare, biosensors, lab-on-a-chip, diagnostics, devices, microfluidics	0	0	10
8	Dr.	Jiban Jyoti Panda	Assistant Professor	Biotechnology	INST	Mohali	Nanomedicine	0	0	16
9	Dr.	Richa Rastogi Thakur	Assistant Professor	Nanoscience & Nanotechnology	Panjab University	Zirakpur	Bioelectronics, BioNanosensors, carbon nanomaterials, Field Effect transistors	1	0.1	11
10	Ms.	Ravneet Kaur	Research Scholar	Microbial Biotechnology	Panjab University	Kharar	Biotechnology, nanotechnology, material science, antimicrobial coatings, UV protection, Photocatalysis	1	5	7

### Number Theory / Cryptography

S. No.	Name Prefix	Name	Designation	Department	Organization	City of your current residence	Area of your specialization for Selected Thematic Area	Number of Industrial Projects / Consultancies done in Past	Experience (in years) of Industrial Projects / Industrial Consultancy	Total Research Experience (In Years)
1	Mr.	DEV DUTT	Research Scholar	Quantum Materials & Devices Unit	IISER	Shimla	Quantum Computing or Quantum Technology	0.1	0	6
2	Dr.	Tapas Chatterjee	Associate Professor	Mathematics	IIT Ropar	ROPAR	Number Theory and Cryptography	0	0	14
3	Dr.	Ramkumar Ketti Ramachandran	Associate Professor	Computer Science Engineering	Chitkara University	Chandigarh	Cryptography, Key Management , Polynomials, Network Security	3	10	20

### Pharmaceutical

S. No.	Name Prefix	Name	Designation	Department	Organization	City of your current residence	Area of your specialization for Selected Thematic Area	Number of Industrial Projects / Consultancies done in Past	Experience (in years) of Industrial Projects / Industrial Consultancy	Total Research Experience (In Years)
1	Dr.	ANURAG KUHAD	Assistant Professor	Pharmaceutical Sciences	Panjab University	CHANDIGARH	PHARMACOLOGY	2	4.5	
2	Dr.	Vandita Kakkar	Assistant Professor	Pharmaceutical Sciences	Panjab University	Chandigarh	Formulation development, Characterization and scale up	5	4	12
3	Prof.	Anil kumar	Professor	Pharmaceutical Sciences	Panjab University	CHANDIGARH	Pharmacology	2	4	4
4	Dr.	Anupam Bandyopadhyay	Assistant Professor	Chemistry	IIT Ropar	Ropar	Peptide chemistry and impurity profiling, synthesis. Mass MS/MS. HRMS	4	2	3
5	Mr.	Ankush Goyal	Assistant Professor	Pharmaceutical Sciences	MAU, Baddi	Ropar	Medicinal Chemistry	0	0	0
6	Prof.	Alka Bali	Professor	Pharmaceutical Sciences	Panjab University	Chandigarh	Analytical Method development (SIM), LC-MS studies, Synthetic Medicinal Chemistry, Spectral analysis (FTIR, NMR, Mass spectrometry)	2	3	27
7	Dr.	Aman Bhalla	Assistant Professor	Chemistry	Panjab University	Chandigarh	Synthetic organic chemistry, Heterocyclic molecules, Green chemistry	0	0	16
8	Prof.	Indu Pal Kaur	Department Head / Coordinator	Pharmaceutical Sciences	Panjab University	Chandigarh	Nanodelivery, biosensor, biotech, ocular, cancer, phyto pharmaceuticals, Dermaceuticals, cosmetics, oral, peptides, wound healing, Electrospinning	13	20	30
9	Dr.	Srinivasarao Arulananda Babu	Associate Professor	Chemical Sciences	IISER	Mohali	C-H activation, C-H functionalization, Synthetic Building Blocks, Unnatural Amino Acids, Peptides, Synthesis of bioactive molecules and intermediates	0	0	21
10	Dr.	Dr. Sangeetha Gupta	Assistant Professor	Pharmaceutical Sciences	Amity University	Noida	Pharmacology (Experimental: Stroke, Epilepsy, Liver Cancer, Pain and Inflammation)	1	2	11

### Quantum Technology

S. No.	Name Prefix	Name	Designation	Department	Organization	City of your current residence	Area of your specialization for Selected Thematic Area	Number of Industrial Projects / Consultancies done in Past	Experience (in years) of Industrial Projects / Industrial Consultancy	Total Research Experience (In Years)
1	Mr.	DEV DUTT	Research Scholar	Physical Sciences	Himachal Pradesh University, Shimla	Shimla	Quantum Computing or Quantum Teleportation or Quantum Sensors or Quantum Cryptography	0.1	0	6
2	Dr.	Shubhrangshu Dasgupta	Associate Professor	Physical Sciences	IIT Ropar	Ropar	Quantum Optics, Optics quantum computation, quantum information and quantum computation	0	0	22
3	Dr.	Debangsu Roy	Assistant Professor	Physical Sciences	IIT Ropar	Ropar	Spintronics, Thin Film Deposition, Nanoscale Device characterization through different transport mechanism	0	10	14

### Software / IT / Web or Mobile Application Development

S. No.	Name Prefix	Name	Designation	Department	Organization	City of your current residence	Area of your specialization for Selected Thematic Area	Number of Industrial Projects / Consultancies done in Past	Experience (in years) of Industrial Projects / Industrial Consultancy	Total Research Experience (In Years)
1	Prof.	Harish Kumar	Professor	Computer Science Engineering	Panjab University	Chandigarh	Telecommunication, Tele Health, IoT, UAV	5	22	22
2	Mr.	Gursharan Singh	Assistant Professor	Computer Science Engineering	LPU	Jalandhar	Cloud computing , containers	0	0	0
3	Prof.	Jasjeet Singh Bagla	Professor	Physical Sciences	IISER	Mohali	Algorithm development, parallel computing	0	0	26
4	Mr.	Ashutosh choudhary	Assistant Professor	Computer Science Engineering	Amity University	RAIPUR	Mobile computing,IOT ,FOg computing	1	1	6

**Waste Management / Waste Treatment**

S. No.	Name Prefix	Name	Designation	Department	Organization	City of your current residence	Area of your specialization for Selected Thematic Area	Number of Industrial Projects / Consultancies done in Past	Experience (in years) of Industrial Projects / Industrial Consultancy	Total Research Experience (In Years)
1	Dr.	Savita Chaudhary	Assistant Professor	Chemistry	Panjab University	Chandigarh	Nanochemsitry, waste water treatment, sensor development, dye removal methods using advanced nanomaterials	1	1	
2	Prof.	Narinder Singh	Professor	Chemistry	IIT Ropar	Ropar	Sensors, Environmental Analysis & Waste Management	14	7	12
3	Dr.	Palani Natarajan	Assistant Professor	Chemistry	Panjab University	Chandigarh	Using solar radiation as an activation source, we are decomposing waste materials and synthesizing new chemical compounds	0	0	12
4	Prof.	S.K. Soni	Professor	Microbiology	Panjab University	Chandigarh	Composting, Biofertilizers, Industrial Enzymes, Biofuels, Ethanol, Fermentation, Municipal Solid Waste, Agricultural Residues	10	20	35
5	Prof.	Rajni Singh	Department Head / Coordinator	Microbiology	Amity University	Noida	microbial consortium, microbial enzymes, feather waste management	1	2	22
6	Dr.	Indramani Dhada	Assistant Professor	Civil Engineering	IIT Ropar	Rupnagar, Punjab	Environmental Engineering	16	6	8
7	Dr.	Susanta Paikaray	Assistant Professor	Geology	Panjab University	chandigarh	contaminant remediation, water treatment	3	6	17
8	Dr.	ANUPREET KAUR	Assistant Professor	Biotechnology	Panjab University	Chandigarh	Based on nanotechnology, membrane technology, microbial/enzyme transformation & reactive extraction	0	0	16