



Faculty of Interdisciplinary Studies

Name of the Faculty: Dr. Prabuddha Ganguly

Research Area Intellectual Property Rights and Knowledge
Keywords: Management.



LinkedIn: <https://www.linkedin.com/in/prabuddha-ganguli-05979115/>

Research Summary: Dr. Prabuddha Ganguly obtained his B.Sc. in Chemistry from Bombay University, M.Sc in Chemistry from Indian Institute of Technology, Kanpur and PhD in Chemistry from the Bombay University based on his work at the Chemical Physics Department, Tata Institute of Fundamental Research (TIFR). This was followed by post doctoral research in Germany at the Johannes Gutenberg University at, Mainz as an Alexander von Humboldt Foundation Fellow and as Research Associate at Windsor University, Canada. He was visiting scientist at the Bhabha Atomic Research Centre (BARC) in Mumbai in 1980, before moving to industrial R&D.

Since 2001 he is CEO of his consulting firm “VISION-IPR” offering services in Management of Intellectual Property Rights and Knowledge Management.

He is Adjunct Faculty in the Indian Institute of Technology Jodhpur. He is a member of the Board of Governors of the Vishwakarma University, Pune and member of the Research Advisory Council of the Pandit Deendayal Petroleum University, Gujarat. All India Council for Technical Education (AICTE) has engaged him as a “MARGADARSHAK” to mentor several Universities in India. He has been invited by the Office of Principal Scientific Adviser, Government of India, to be a member of the Thematic Group consultation on “Data and Regulatory Framework” [TG-4] for Science, Technology, and Innovation Policy (STIP) - 2020.

He is a Co-Principal Investigator (Co-PI) in the National Digital Library of India (NDLI) project which is a flagship programme at the Indian Institute of Technology, Kharagpur (IITKGP). This national project is sponsored by the Ministry of Human Resources Development Ministry (MHRD), Government of India, which is designed to provide a comprehensive digital platform linking all libraries, museums, archives, depositories, and information centres in India. His targeted role is to guide the project on all IP related matters.

Name of the Faculty: Dr. Vijay Murlidhar Khedkar
Department: Pharmacy
LinkedIn: <https://www.linkedin.com/in/vijay-khedkar-a5158316>
Google Scholar: <https://scholar.google.com/citations?user=CT7X510AAAAJ&hl=en>



Research Summary: A highly optimistic and proactive computational medicinal chemist with Ph.D. degree in Pharmaceutical Chemistry (Computational Medicinal Chemistry) and Post-doctoral research experience. Successful track record of executing lead identification and optimization projects by applying molecular modeling techniques.

Strengths in the field include:

- Structure-based drug design (SBDD): Virtual Screening, Molecular Docking, Structure-based Pharmacophore modeling, Receptor-dependent QSAR modeling, Molecular Dynamic Simulation, Homology Modeling
- Ligand-based drug design: Descriptor-based mathematical modeling (QSAR/QSPR), Pharmacophore modeling.
- Sound knowledge of medicinal chemistry principles & its application in addressing drugdesign challenges.
- Synthesis and purification of small organic molecules.
- Experience in executing and managing time-line sensitive projects.
- Experience of working in close association with Synthetic Medicinal/Organic Chemists & biologists to execute lead identification and optimization projects.

Name of the Faculty: Dr. Poonam R. Inamdar
Department: Pharmacy
LinkedIn: <https://www.linkedin.com/in/dr-poonam-inamdar-156b8229/?originalSubdomain=in>
Google Scholar: <https://scholar.google.co.in/citations?user=x2pUe6AAAAJ&hl=en>



Research Summary: Dr. Poonam R. Inamdar is involved in the synthesis of metal complexes, their purification and characterization including the spectroscopic techniques as UV, FTIR, NMR, Mass and TGA, EPR. Her research focus is mainly an exploration of biomolecule interaction studies of the compounds using UV, FTIR, Conductometry, Cyclic voltammetry, Fluorescence spectroscopy, Viscosity and Circular dichroism studies as well as gel electrophoresis studies of the metal complexes for the assessment of DNA cleavage studies.



Name of the

Dr Swati S Mutha

Faculty:

Department:

Pharmacy

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Research

Summary:

Dr. Swati Mutha, Professor of Pharmaceutics at Vishwakarma University has research and teaching experience of total over 16 years. Guide more than 25 M.Pharm students for their research dissertations, her primary areas of research include conventional and novel drug delivery systems, industrial pharmacy, modified release formulations and acceptability study in patients.

Numerous research articles in various national and international reputed journals and publication houses, various oral and poster presentations in national and international conferences helped her build few niche skills in academic and technical research.

Receiving travel, lodging and boarding 100% grant from UCL (London, UK) for research on 'Novel drug delivery systems', PCCA (USA) Best Poster Award in International Conference of EuPFI, 1st prize in International Conference by DPU (Pune, India) and Awarded in International conference by Nirma University are her recent achievements in last 5 years. Additionally, she has received grants from SPPU & UGC, for her research work.

She is presently seeking interdisciplinary partnerships for research in areas like Hospital Pharmacy, Pharmacy Informatics, Pharmaceutical Technology, Pharmacy Automation and Industrial Pharmacy.

Her stupendous academic achievements like 'Maharashtra State Topper at D. Pharm. level' and 'Institutional Pharmaceutics Topper at M. Pharm. level' sure deserve to be shared herewith.



Name of the Faculty: Dr. Yogesh Chandrakant Suryawanshi
Department: Yoga and Naturopathy
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Google Scholar: <https://scholar.google.com/citations?hl=en&user=dclPcd8AAAAJ>



Research Summary: Completed Ph.D in Botany from Savitribai Phule Pune University in 2019. Publications: published more than 10 research articles in international journals.
Area of Interest:

- Plant Biotechnology: Plant tissue culture, Hydroponic techniques, secondary metabolites.
- Botany: Essential Oil and Seed Oil, FAME identifications, FAME and Oil variability. TBO's variability.
- Fermentation Technology: Different types of fermentation for the enhanced production of ethanol.
- Naturopathy: Medicinal and Aromatic Plants.