

Faculty: Interdisciplinary Studies Department: Professional Studies

Name of the	
Supervisor:	Prof. Dr.S.Sunitha
Designation:	
	Professor
Department:	
	Pharmacy, Pharmaceutics,
Faculty:	Pharmacy
Research Area	Lipid-based delivery systems, bioavailability and
Keywords:	permeability enhancement, Novel drug delivery
	systems, Novel approaches in nanoparticles,
	biodegradable nanoparticles, hydrogels, liposomes,
	topical delivery systems ocular delivery systems,
	intranasal drug delivery systems, gastro retentive drug
	delivery systems
LinkedIn:	
	https://www.linkedin.com/in/sunitha-sampathi-78b6941b2/
Google Scholar	https://scholar.google.com/citations?user=lCvfyCwAAAAJ&hl=en
(URL):	
Research Summary:	With over 22 years of experience in Pharmaceutics, I specialize in teaching
	and research at esteemed institutions such as NIPER-H, affiliated colleges
	of Osmania University, and JNTU-Hyderabad. My expertise lies in
	formulation development, particularly in novel drug delivery systems
	(NDDS) encompassing nanosuspensions, lipid-based systems (micro/nano-
	emulsions. SLNs. NLCs), polymeric and metal nanoparticles (gold),
	intranasal and transdermal drug delivery employing Quality by Design ObD
	principles I possess extensive experience in scientific writing evidenced by
	more than 60 publications in reputable peer reviewed journals indexed in
	Indexed in International Electric Section Sect
	International, Elsevier, Scopus, wos, and Sci databases.
	Additionally, I excel in formulating diverse dosage forms, including tablets
	using conventional methods (wet, dry, direct compression), tablet coating,
	in-situ gel preparation, and complexation with cyclodextrins. My skill set
	extends to bioanalytical method development using HPLC and conducting
	practinical studies in animal models including hisdistribution and
	precimical studies in annual models, including biodistribution and
	bioavailability assessments. Notably, I have developed animal models for
	osteoporosis and surgical procedures, alongside expertise in brain uptake
	studies via intranasal drug administration.



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Name of the	Dr. Vijay Murlidhar Khedkar
Faculty:	
LinkedIn:	https://www.linkedin.com/in/vijay-khedkar-
	<u>a5158316</u>
Google Scholar:	https://scholar.google.com/citations?user=CT7 X5I0AAAAJ&hl=en
Research	A highly optimistic and proactive computational medicinal chemist with Ph.D.
Summary:	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 & application in addressing drug design challenges.
	• Synthesis and purifications of small organic molecules.
	• Experience of working in close association with synthetic Medicinal/Organic
	Chemists & biologists to execute lead identification and optimization projects.



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Name of the	Dr. Neeta Rai
Faculty:	
Designation:	Assistant Professor
Research Area	Herbal formulation, Nanotechnology, Novel drug
Keywords:	delivery system, Formulation development, cosmetic
	formulation.
LinkedIn:	https://www.linkedin.com/in/dr-neeta-r-95975079/
Google Scholar:	https://scholar.google.com/citations?user=GXh_yacAAAAJ&hl=en
Research	Dr. Neeta Rai has expertise in various formulation developments. She is having
Summary:	excellent knowledge and experience in herbal and cosmetic formulations. She has
	also worked keenly in novel drug delivery systems. She has two Indian patents,
	two published books, and book chapters along with many international and
	national publications in reputed journals with good impact factors.

Name of the	Dr. Sabeena Hussain Syed	
Faculty: Designation:	Assistant Professor	
Research Area Keywords:	Ethnopharmacology and Natural Products	



LinkedIn:	https://www.linkedin.com/in/dr-sabeena-hussain-syed-a8ab2963	
Google	https://scholar.google.com/citations?user=NSEkxjEAAAAJ&hl=en&authuser=1	
Scholar:		
Research	My research area include Ethnopharmacological studies where scientific validation of traditional	
Summary:	herbs in ailment of various diseases through preclinical studies are studied. The research also	
	involves preparation of active extracts through bioguided fractionation and thus isolating	
	potential phytoconstituents through various analytical techniques.	



Name of the Dr. Swati S Mutha **Faculty:** LinkedIn: https://www.linkedin.com/in/swati-boramutha-7bb79114/ https://scholar.google.com/citations?hl=en **Google Scholar:** &user=G3lL-3MAAAAJ Research Dr. Swati Mutha, Professor of Pharmaceutics at Vishwakarma University Summary: has research and teaching experience of total over 16 years. Guide dmore 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
LinkedIn: Google Scholar:	https://www.linkedin.com/in/yogesh173 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 andOil variability. TBO''s variability. Fermentation Technology: Different types of fermentation for theenhanced production of ethanol. Naturopathy: Medicinal and Aromatic Plants.
Name of the Faculty: Designation:	Dr. (Prof.) D. S. Bhatkhande Professor
Research Area Keywords:	Waste water treatment, environmental engineering, solid waste abatement, recycle, etc.
Research Summary:	Worked for industrial waste water treatment using photo catalysis/ photochemical reactions for Ph.D. The other projects undertaken were in domestic water treatment, sewage treatment, novel filtration techniques, mathematical modelling of liquid extraction process, e-waste abatement and applications, biogas from food waste, toilets, digital twin etc.



Name of the Faculty:	Dr. Jupinder Kaur
Designation:	Assistant Professor
Research Area Keywords:	Nano-electronics; Nano-materials; Fullerenes; Sensors; Bio-medical applications; Density Functional theory, Drug delivery applications
LinkedIn: Google Scholar: Research Summary:	https://www.linkedin.com/in/dr-jupinder-kaur-18392b210/ scholar.google.co.uk/citations?hl=en&authuser=1&user=WU_1lfcAAAAJ Area of research involves analysis of charge transport properties of nano- materials like fullerenes, nano-ribbons, molecular junctions etc. using Density functional theory calculations. Further, researching in drug delivery applications of various carbon and boron fullerenes. Actively involved in studying the sensing capabilities of bio-molecules like DNA nucleobases and other boron-based cage like nano-structures. Has worked on dye-sensitized solar cells using SCAPS and Gaussian 09 software packages.
Name of the Faculty: Designation: Research Area Keywords:	Dr. Om Mahadeo Bagade Associate Professor Particle Engineering, Nanoparticulate Drug Delivery System, Novel Drug Delivery System and Solubility Enhancement,
LinkedIn: Google Scholar: Research Summary:	https://www.linkedin.com/in/dr-om-bagade-615116157 https://scholar.google.com/citations?user=eTQ2z9EAAAAJ&hl=en&authuser=1 Dr. Om M. Bagade- A dynamic academician, researcher and professional in the field of Pharmacy. He is a University rank holder at UG and PG level. He has also completed Diploma in Intellectual Property Law from Symbiosis International University, Pune. He did his Ph.D from Savitribai Phule Pune University (SPPU), Maharashtra, India. Currently, he is working as Associate Professor in Pharmaceutics Department, Vishwakarma University, Pune, India. He has shortlisted for interview of Drug Inspector post (MPSC). During his cram he has manifold scholarships rewards on his glory like McKinney (Texas), USA, FFE- Philippines, White Gold Moderate award, AICTE (GATE), Sir Ratan Tata, Sir Dorabaji Tata, Mahindra and Mahindra, and Sir Jindal scholarships etc. He has around 15 years of total experience in teaching and guided more than 10 PG students. He has published more than 55 research and review articles in renowned international journals of reputes with good impact factors and more than 70 research presentations in various conferences and grabs the best research paper awards in many events. Furthermore, he has published around 06 Books, 10 Patents and 07 Book Chapters in National and International level of standard. Moreover, one of his research project in pharmaceutics has been funded by BCUD_SPPU



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Name of the Supervisor:	Dr. Nitish Bhatia	
Designation:	Professor and Head	
Department:	Pharmacology	
Faculty:	Pharmacy	िल्ला लका है
Research Area Keywords:	1. Neurodegenerative disorders	
	2. Stress associated neurodegeneration	
	3. Natural antioxidants in wound healing	
	4. Spermicidal activity of novel	
	phytopharmaceuticals	CONTRACTOR OF TAXABLE PARTY.

5. Toxicity evaluation of excipients



LinkedIn: **Google Scholar: Research Summary:**

https://www.linkedin.com/in/prof-dr-nitish-bhatia-6ab823b5/ https://scholar.google.com/citations?user=P2WMCEMAAAAJ&hl=en

Dr. Nitish Bhatia is a distinguished figure in the realm of Pharmaceutical Sciences, with over 16 years of extensive experience in academia and research showcasing a commitment to excellence and innovation in pharmacological research.

His research expertise spans various facets of pharmaceutical sciences, with particular emphasis neuroprotection, stress-associated on а neurodegeneration, and wound healing.

Additionally, his investigations into the adaptogenic and memory restorative effects of curcumin in stress-induced conditions underscore his innovative approach to addressing complex physiological challenges.

Dr. Bhatia's academic prowess is evident through his prolific publication record, comprising 53 publications encompassing research articles, review articles, abstracts, and books.

His contributions cover a diverse range of topics, from evaluating the wound healing potential of natural extracts to examining protective effects against neurotoxicity induced by various agents.

Dr. Bhatia actively engages in academic activities, participating in conferences, workshops, and seminars globally to disseminate his research findings and interact with the scientific community. His involvement as an editorial board member and reviewer for esteemed journals reflects his stature in the academic realm and his commitment to advancing pharmaceutical sciences. His dedication to teaching and research is further underscored by his administrative responsibilities.

His exemplary contributions have garnered recognition through prestigious awards such as the Prof. M.L Schroff Pharma Recognition Award and the Young Teacher Award.

As Head of the Department of Pharmacology at Vishwakarma University, Pune, he provides invaluable mentorship to aspiring Ph.D. scholars, fostering a nurturing environment conducive to innovative exploration and scholarly excellence.



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Name of the	Priyanka Nilesh Karpe
Supervisor:	Assistant Professor
Designation:	Pharmacy
Department:	Pharmacy
Faculty:	Analytical method development, Method
Research Area	validation, Product Development, Product
Keywords:	Characterization, Respiratory dosage forms.
LinkedIn: Google Scholar (URL): Research Summary:	 https://www.linkedin.com/in/priyanka-gondhale -482340145/ https://scholar.google.com/citations?user=Zp_SDYUAAAAJ&hl=en With over 8 years of comprehensive experience, including 1.5 years in academics and 7.2 years in pharmaceutical R&D analytical departments, I am a highly organized, motivated, and results-oriented professional. My expertise lies in the development of inhalation products such as DPIs, pMDIs, nasal sprays, and nebulizers within a regulated environment adhering to cGMP/GLP/GDP/ALCOA+ standards. Throughout my career, I have demonstrated exceptional research, analytical, and technical skills. My ability to coordinate and collaborate with crossfunctional teams, partners and clients has been pivotal in driving successful outcomes. I have played a key role in preparing and reviewing various analytical documents including COA, MOA, specifications and reports, essential for ANDA filings. Furthermore, I have spearheaded the qualification protocols (IQ/OQ/PQ) ensuring meticulous execution, evidence collection and deviation documentation. My experience includes reviewing DMFs from a regulatory perspective and collaborating closely with project management teams to meet product development timelines. I take pride in achieving product development milestones by developing precise and robust analytical methods such as Assay, DDU, APSD, DSD, PSD and impurity profiling. Additionally, I have successfully managed multiple inhalation projects, ensuring adherence to ALCOA+ principles and timely delivery to clients. My contributions extend to initiating and completing in-vitro bioequivalence stifectively transferred analytical methods from various clients, followed ICH stability guidelines and conducted characterization testing to enhance drug delivery. In compliance with USFDA guidelines, I have conducted in-vitro bioequivalence and Drug-Device Characterization studies for pMDIs and nasal drug products. My dedication to excellence and drive for innovation