MSBTE CODE - 1946

DTE CODE - 5478

Rashtriya Shikshan Mandal's

N. N. SATTHA COLLEGE OF PHARMACY

Anad dham road, near to Sahakar Sabhagruha
Ahmednagar, Tq. Nagar, Dist. -Ahmednagar 414001
Approved by : AICTE, PCI, DTE,Govt. Maharashtra, DBATU Lonere, MSBTE Mumbai.

Name of Teaching Staff: Dr. Vishal Vijay Pande

Designation: Principal and Professor, Dean, Faculty of Pharmacy and EC Member, DBATU, Lonere**,**

Qualification: M.Pharm, PhD, FIC

Research Area: Mesoporous silica nanoparticles, Targated drug delivery system Nanotechnogy and nanoscience, Biosensors, etc

Total experience in Years: Teaching: 20, Industry: 1.2, Research: 14

Papers published: National: 57 International: 56 Review: 51

Papers presented in conferences: National: 22-, International: 04

Book Published: 11, **Chapter Published**: 11, **Books Edited**: 02

Patents (Filed/Published/Granted): Filed: 12 Published: 06 Granted: 03 (Austrailian, Indian & Germany)

M.Pharm Students Guided: 70 **PhD Students Guided:** 02

Citation Indices

Citation Indices: H-Index: 22, i10-Index: 46, No. of Citations: 1547

Grants Received (Research/S&T/Conference):

1. Received Innovation/Incubation research grant of **2.5 Lakhs** from KIT, KITCOE, Kolhapur for Saliva Sentinel: A non-invasive uric acid detection at a home-kit.
2. Received the research grant of **3.15 Lakhs** from DBATU Lonere under scheme VC-RPG 2023 Targeted therapy for prostatitis using antibody-conjugated mesoporous silica nanoparticles
3. Received the research grant of **3.10 Lakhs** from **RGSTC** titled, "Design and Development of Genitoprtective Probiotic Vaginal-Strips for Reproductive Age Women Postmenopausal Women".
4. Received **MODROB** grant from AICTE of **16.47 Lakhs** Rupees for Zetasizer (AQIS ID: 1-7068352827)
5. Received grant of **1-lakh** rupees from BCUD University of Pune under Quality Improvement Programme for equipment purchase.

6. Received grant of **60,000/-** rupees from BCUD University of Pune under Quality Improvement Programme for organization of state level seminar.
7. Received grant of **35000/-** rupees from SWB of University of Pune for organization of Innovative Research Project competition for budding pharmacists.
8. Application of the Foldscope Microscopy in Evaluating Drinking Water Treatment Process Plant Efficiency, -Principal Investigator, Sponsored by **Department of Biotechnology (DBT)**, New Delhi. [2018-19] (**8 Lakhs**)
9. Anticariogenic activity of *Solanum xanthocarpum* fruits extract on *Streptococcus mutans* strain- Principal investigator of research project sponsored by **University of Pune**, Maharashtra [Duration 2009-11]. **(1 Lakh)**
10. Screening of newer biopigments from soil isolates of fungi- Co-investigator of research project sponsored by **University of Pune**, Maharashtra [Duration 2009-11]. **(3 Lakhs)**

Dr. Babasaheb Ambedkar Technological University Lonere Raigad

One Page Summary of Research Area

Name: Dr. Mohini Anandrao Salunke

Date of Birth: 24/01/1982

Qualifications: M.Pharm, PhD

Domain and Department: Pharmaceutical Sciences/ Pharmacy

Research Area: Natural Products, Herbal Nano Formulations

Organization/Institute: Vilasrao Deshmukh Foundation, School of Pharmacy, Latur

Address: New MIDC, Barshi Road, Latur

Cell Phone No & Email ID: 9168680404, mohinisalunke82@gmail.com

No of M. Tech & PhD Students Completed & Ongoing: 03 Completed and 3 on going

Publications in Scopus/SCI Journals only (Attach as hyperlink):

SCOPUS ID: https://www.scopus.com/authid/detail.uri?authorId=57249647400
GOOGLE SCHOLAR ID: https://scholar.google.com/citations?user=Y-vHOYYAAAAJ&hl=en
ORCID ID: https://orcid.org/0000-0003-0759-2232

Summary of Research Domain

Natural Product-Based Drug Discovery: Focused on the identification and development of novel therapeutic agents from natural sources, with a special emphasis on bioactive compounds derived from marine organisms.

Anticancer Drug Development: Engaged in the systematic screening of natural molecules for anticancer properties, supported by molecular docking and in silico modelling to elucidate drug-target interactions and optimize potential lead compounds.

Analytical and Screening Techniques: Proficient in utilizing advanced analytical instrumentation for the extraction, isolation, characterization, and biological evaluation of natural products.

Translational Potential and Preclinical Assessment: Ongoing efforts to translate promising marine-derived and plant-derived bio actives into preclinical development. This includes evaluation of cytotoxicity in cancer cell lines, mechanism-of-action studies, and preliminary toxicity and pharmacokinetic assessments using in vitro and in vivo models.

Dr. Mohini Anandrao Salunke

Name of Faculty: - Dr. Santosh Shelke
Designation:-Professor and Principal
College Name:-Srinath College of Pharmacy, Aurangabad.
Area of Interest:- Nanotechnology, Liposomal DD,
Nose to brain drug delivery
Contact No:-9404988909
Email id:-santoshshel@gmail.com

Educational Qualification Detail:-

- Ph.D:- 2015, Dr. Babasaheb Ambedkar Marathwada UNniversity, Aurangabad
- **M. Pharm:**-2007, AKCP, Shrivilliputtur, The Tamil Nadu, Dr. MGR Medical University, Chennai
- **MBA:** Dr. Babasaheb Ambedkar Marathwada UNniversity, Aurangabad
- **B. Pharm:**-Anuradha College of Pharmacy, Chikhali, Maharashtra.

Professional Experience:

- **Professor and Principal: Srinath College of Pharmacy, Chh. Sambhajingar, Maharashtra (7 years)**
- Assistant **Professor:-Yash Insitute of Pharmacy, Aurangabad** (**11 Year**).
- Assistant **Professor:**-Shri. Bhagwan College of Pharmacy, Aurangabad. (**01 Years**).

Industrial Experience:

- Research Associate: Wokhardt Research center, Aurangabad, **Maharashtra**
- Officer: Wokhardt Ltd, Waluj, Auranagabad, Maharashtra

Research Experience:

- Post graduate thesis supervision : 10
- Doctoral thesis supervision: 02
- Patent:02 Filled: 03 Grants: 00 (10 lakhs)
- Journal: 00 Reviewer:15 Journal Editor:01
- Research paper published:52 National:09 International:43
- Research paper presented:10 National: 06 International:04
- Conference attended: National:30 International:03
- Seminar / workshops attended:15
- Guest lecturers delivered: 20
- Poster presentation : 10
- Book published: 03 Book Chapter published:04

Awards and Honors :

- Awarded with best paper Asia Level with Eudragit Awards 2017 with the prize worth Rs. 80,000. Warding agency: EVONIK. for the publication entitled "Formulation Optimization of Human Insulin loaded microspheres for controlled oral delivery using response surface methodology"
- Honored with Seva Gaurav Puraskar 2020-21 for the contribution in education sector. Awarding agency: Su-lakshmi Seva Bhavi Sanstha, Aurangabad.
- Awarded with best presentation award at the International conference held at Parul Insitute of Pharmacy, Vadodara, Gujarat. Poloxomer 407 based drug delivery of thermoreversible Nanoethosomal gel of Zolmitriptan.

Membership of Professional Bodies

- Life Member of Association for Pharmacy Teachers in India (APTI) MA/LM-1311
- Member of Pharmacy Council of India. (FID No. YIPLEC000005)
- Maharashtra State Pharmacy Council. (Reg. No. 76765)

Online workshop, eFDP and Webinars

- Conducted 4 webinars and 1 eFDP as a convenor.
- Co-ordinator of the eFDP organized by the faculty of Pharmacy, DBATU, Lonere.
- Attented 50 webinars and 7 one-week eFDP.

ACHIEVEMENTS AS AN ACADAMACIAN

- Selected as Associate Dean at Dr. Babasaheb Ambedkar Technological University Lonere
- Co-ordinator for the development of e-content for Dr. Babasaheb Ambedkar Technological University Lonere.
- Worked as Assistant Director (2014-15) and Joint Director (2015-16) for Engineering CAS-I, Examination, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad
- Co-ordinator and chairmen for the conduct of eFDP conducted by Dr.Babasaheb Ambedkar Technological University Lonere on the occasion of Pharmacist Day 2020 on the theme "Transforming global health"
- Recognized Ph. D supervisor at Dr. Babasaheb Ambedkar Technological University Lonere
- Convenor for more than 20 seminar, workshop, Webinars and FDP.
- Member of the local Inspection Committee of Dr. Babasaheb Ambedkar Technological University, Lonere, Raigad.
- Member of the local Inspection Committee of Dr. Babasaheb Ambedkar Marathwada University, Aurangabad.
- Invited as a speaker at various colleges from different universities.
- Recognized guide for PG (M. Pharm) of Dr. BAM University, Aurangabad. Guided 20 students.
- Working as the activity co-ordinator for the National Pharmacy Week conducted by Indian pharmaceutical association and pharmacy colleges, held at Aurangabad.

LINKS AND IDS OF PROFILE IN DIFFERENT DOMAINS

- ☐ https://www.researchgate.net/profile/Santosh-Shelke-4/stats
- ☐ https://orcid.org/my-orcid?orcid=0000-0001-5904-6028
- ☐ https://scholar.google.com/citations?user=jiVCumwAAAAJ&hl=en
- ☐ Orcid ID: 0000-0001-5904-6028
- ☐ Scopus ID: 55201223900
- ☐ Web of Science Research ID: AAL-9159-2020

Dr. Babasaheb Ambedkar Technological University Lonere Raigad

One Page Summary of Research Area

Name: Dr. Ajay Kale

Date of Birth: 09/10/1978

Qualifications: PhD

Domain and Department: Pharmacy [Pharmacology]

Research Area: Cancer Pharmacology, Neuroendocrinology, Regenerative Medicine

Organization/Institute: Navsahyadri Institute of Pharmacy, Pune

Address: Rahul Park, Warje, Pune 411058.

Cell Phone No & Email ID: 8999952780 ajaykalephd@gmail.com

No of M. Tech & PhD Students Completed & Ongoing: -

Publications in Scopus/SCI Journals only (Attach as hyperlink):

https://www.scopus.com/authid/detail.uri?authorId=13408597000

Summary of Research Domain

Cancer Pharmacology: Research work in the field of Prostate cancer, and Head and neck Cancers

Neuroendocrinology: Research work on central neuronal receptors and their role in changes of neuroendocrine biomarkers during hypoglycemia

Regenerative medicine: Research work on stem cells and progenitor cells in neuronal regeneration

Dr. Ajay Kale

Name & Sign

Dr. Babasaheb Ambedkar Technological University Lonere Raigad

One Page Summary of Research Area

Name: Dr. Milind Dharmraj Kamble

Date of Birth: 01 August 1980

Qualifications: M.Pharm PhD

Domain and Department: Associate Professor (Pharmaceutics and Biopharmaceutics)

Research Area: Particulate drug delivery systems and pharmacokinetics

Organization/Institute: Shreeyash Institute of Pharmaceutical Education and Research Chh. Sambhajinagar (Aurangabad)

Address: Gut. No. 258 (P) New Solapur-Dhule Highway, Satara Parisar Chh. Sambhajinagar (Aurangabad)

Cell Phone No & Email ID: 09637082865, milind.kamble@syppharmacy.org

No of M. Tech & PhD Students: Completed: 06 & Ongoing: 02

Publications in Scopus/SCI Journals only (Attach as hyperlink):

1. **https://eurekaselect.com/public/article/100907**
2. **https://eurekaselect.com/public/article/140040**
3. **https://www.derpharmachemica.com/pharma-chemica/synthesis-spectral-studies-hydrolysis-kinetics-and-pharmacodynamic-profile-of-mefenamic-acid-prodrugs.pdf**
4. **https://www.ijper.org/sites/default/files/IndJPhaEdRes-48-2-35.pdf**
5. **https://www.indiandrugsonline.org/issuesarticle-details?id=Mzcy**

Summary of Research Domain

Prof. (Dr.) Milind D. Kamble is an enthusiastic academician and researcher with over 15 years of experience in academia and research. My expertise lies in **nanoparticulate drug delivery systems, biopharmaceutics, pharmacokinetics, and bioanalytical method development**. My research integrates advanced formulation technologies with a translational focus aimed at improving therapeutic outcomes, particularly in the fields of **oncology and targeted drug delivery**.

Total 12 peer-reviewed publications and contributed significantly to the field through ongoing research on **multifunctional and stable nanoparticulate systems with alternative ligands for receptor-targeted cancer theranostics**. I am trying to bridges the interface between **novel drug delivery systems and pharmacokinetic optimization**, making a lasting impact on both academic and clinical research.

Name & Sign

Dr. Milind Dharmraj Kamble

Dr. Babasaheb Ambedkar Technological University Lonere Raigad

One Page Summary of Research Area

Name: Dr. Kishor Vasant Otari

Date of Birth: 07 April 1976

Qualifications: M. Pharm, PhD

Domain and Department: Pharmacy (Pharmacology)

Research Area: Neuropharmacology, cardiovascular Pharmacology, gastrointestinal pharmacology, drug repurposing, Reverse Pharmacology and Natural products Research.

Organization/Institute: Navsahyadri Institute of Pharmacy

Address: Naigaon (Nasrapur), Tal. Bhor, Dist. Pune - 412213

Cell Phone No & Email ID: 9970060776, kvotari76@rediffmail.com

No of M. Tech & PhD Students Completed & Ongoing: 50 M. Pharm students & 02 students Submitted and 03 students ongoing

Publications in Scopus/SCI Journals only (Attach as hyperlink):

https://drive.google.com/drive/folders/1mBHuCC_rCXzB_GUMYMdW4L5tPq_vi6uC?usp=drive_link

https://www.scopus.com/authid/detail.uri?authorId=36519283700

https://www.webofscience.com/wos/author/record/AAE-3070-2022

https://orcid.org/0000-0001-6233-2033

Summary of Research Domain

My research domain is Pharmacology in Pharmacy. My research interests are focused on Neuropharmacology, Neurodegenerative diseases, cardiovascular Pharmacology, gastrointestinal pharmacology with special emphasis on drug repurposing, Reverse Pharmacology and Natural products Research. Our studies have been published in peer reviewed journals like Neuroscience, Naunyn-Schmiedeberg's Archives of Pharmacology, Fundamental & Clinical Pharmacology, Neurochemical Journal, African Journal of Biological Sciences, Inflammopharmacology, Asian Pacific Journal of Tropical Biomedicine, Iranian Journal of Pharmaceutical Research, Advances in Traditional Medicine, Journal of Neonatal Surgery.

(Dr K. V. Otari)
Name & Sign

Dr. Babasaheb Ambedkar Technological University Lonere Raigad

One Page Summary of Research Area

Name: Dr. Pravinkumar Namdeorao Sable

Date of Birth:31 August 1983

Qualifications: M Pharm PhD

Domain and Department: Pharmacy/Pharmaceutical Chemistry

Research Area: Pharmaceutical Chemistry, Medicinal Chemistry, Synthetic Chemistry, Pharmaceutical Analysis, Analytical Chemistry.

Organization/Institute: S. S. P. Shikshan Sanstha's Siddhi College of Pharmacy,

Address: Chikhali, PCMC, Pune – 411062

Cell Phone No & Email ID: +919423250455 pravinpharmacist@gmail.com

No of M. Pharm & PhD Students Completed & Ongoing: M. Pharm- Completed: 24 Ongoing: 08

PhD (Co Guide) - Completed: 00 Ongoing: 02

Publications in Scopus/SCI Journals only (Attach as hyperlink):

ORCID ID: orcid.org/0000-0001-8996-7530

Researcher ID : P-8172-2015

Scopus Author ID : 55697446800

https://scholar.google.com/citations?user=7mlPzRQAAAAJ&hl=en

Summary of Research Domain

- Synthesis & Biological Evaluation of New Heterocyclic Agents.
- Diversity Oriented Synthesis of Different Heterocyclic Agents.
- One Pot,Multicomponent Synthesis.
- Small Scale Organic Synthesis.
- Stability Indicating Assay Method.
- Impurity Profiling.

Dr. Pravinkumar Namdeorao Sable

Name & Sign

Dr. Sanjay Toshniwal

"SAUMYAA", C-321, N-1, CIDCO, Aurangabad-431003 (M.S).
Mob-09325213091, E.mail: toshniwal_ss@yahoo.com

PROFILE : A Pharmaceutical Professional specialised in Pharm. Chemistry, having more than 26 Years of experience with well-versed skills in IPR-patents. A blend of Pharma Industry and Academics.

EDUCATION :

D.Pharm from Geetadevi Khandelwal Institute of Pharmacy, Akola **(Stood First Merit and awarded Geetadevi Khandelwal award – 1990)**
B.Pharm from Poona College of pharmacy, Pune **(3rd Merit at Pune University – 1995)**
M.Pharm from L.M.College of Pharmacy, Ahmedabad (Pharmaceutical Chemistry), Gujrat Univ.-1997)
Ph.D from Dr. B.A.M.U, Aurangabad.(2004)
IDDP (Industry Diploma In Drug Design and patenting- Noida, New Delhi
L.L.B. (Gen) from M.P. Law college, Aurangabad.
Qualified Indian patent Attorney/Agent Exam conducted by Govt. Of India.**(All India Topper)**

AWARDS/ HONORS/ CREDENTIALS

- ✓ **All India Topper in 'Patent Agent Exam-2008.' by GOI-Indian Patent Office (2008).**
- ✓ Awarded,"Pharmacy Teacher of the Year National Award 2012-13" by 54th IPC (Trust).
- ✓ Awarded 'Golden Citizen of the India' award at National level by International Institute of Management and Education, New Delhi.
- ✓ Awarded National Bharat Vidya Shiromany Award 2014 by ISC at New Delhi.
- ✓ Awarded Edupreneur Award-2013 at National Level.
- ✓ *PATENTS : Granted Patents-4 (2-Indian Patents, 1- Germany patent, 1-South Africa patent)*
- ✓ Member of speaker panel of Patent Facilitating Center TIFAC), Govt.of India.
- ✓ Member of Advisory panel, IP-Excellence Centre, GOA.
- ✓ Delivered several specialized lectures on various topics at QIP, Staff development programmes, seminars at different pharmacy colleges/Universities in India.
- ✓ Awarded as a "Best Warrior" by Wockhardt Foundation
- ✓ Honoured with Maheshwari GEM Award - 2023
- ✓ Reviewer for many national and International Journals and Member of Editorial Board of Indian Journal of Pharmaceutics and other Journals.
- ✓ Member of Board of studies in Pharmacy by North Maharashtra Univ-Jalgaon & Pune University (Past).
- ✓ Member- Examinations, Syllabus & Inspection committees at regulatory bodies- PCI.
- ✓ Associated with GTU as Patent Facilitator, PG/Phd-Examiner, Recruitment (Subject Expert), Resource. Associated with DDU, Nadiyad University, Uka Tarsadiya University Surat and other universities for Ph.D thesis/viva evaluations.
- ✓ Hon. Secretary, Indian Pharmaceutical Association, Aurangabad.
- ✓ Chairman- Aurangabad Committee for Ethics, Aurangabad.
- ✓ Collectorate Committee member- Skill development, Washim district.
- ✓ Approved Ph.D Guide- Dr. BAMU Aurangabad, SRTM Univ. Nanded.
- ✓ Published : 3 Books, several National/International research Publications.
- ✓ Invited Resource person at several National and International conferences.
- ✓ Actively involved in Industry-institute Interaction for students, faculties in Pharma field etc.

POSITIONS (PRESENT & PAST) AND EXPERIENCES:

- ✓ **Central Council Member, Nominated by Govt of India, Pharmacy Council of India, New Delhi.**
- ✓ **Principal & Director - Vidarbha Institute of Pharmacy, Washim (M.S.).**
- ✓ **Founder and gen Secretary- Dr S K Toshniwal Educational & Research Trust.**
- ✓ **IPR-Patent Professional.**
- ✓ **Academic Council member- Dr Babasaheb Ambedkar Technological Univ., Maharashtra state.**
- ✓ **Member, Board of Management, L J University, Ahmedabad.**
- ✓ **IP Facilitator- Govt of India & Gujrat technological University, Ahmedabad.**
- ✓ **Director, Marathwada Pharma Cluster, Aurangabad (M.S.).**
- ✓ **Independent Director- KPM, Aurangabad (M.S.)**
- ✓ Technical Expert-BPPI, Dept of Pharmaceuticals, Govt of India. (Past)
- ✓ Director-India Operations, M/s Protect Pharm. Co, United states (Past)
- ✓ Sr. Res. Scientist, Global-IP (Patents), M/s Wockhardt Research Centre, Aurangabad. (Past)
- ✓ Principal at Dr. V P P Pharmacy college, Aurangabad (Past)
- ✓ Professor in Pharmaceutical Chemistry at Shri. Bhagwan college of Pharmacy. (Past)
- ✓ Lecturer, Assistant Professor and Vice-Principal at Y.B.Chavan College of Pharmacy. (Past)
- ✓ Scientist-II with M/s. Torrent Research Center, Ahmedabad.(Past).

Dr. Shitalkumar Shivagonda Patil

Dr. J. J. Magdum Pharmacy College, Jaysingpur

Mobile No. +91 7720004393, 9421204393

E-mail: shitalkumarpatil@yahoo.co.in, principaldrsspatil@gmail.com

Area of Expertise: Pharmaceutics, Drug Delivery Systems, Spectroscopy, Pharmaceutical Formulation

Research output summary

Peer-reviewed publications (81), Books (8), Book Chapters (2), Patents (2), National Presentation (8), International Presentation (6), Research projects completed (10),

Citations: 1579, h-index:19, i10-index:40

Focus Areas:

- **Innovative and regulated Drug Delivery Systems:** The research focuses on the development of regulated and pulsatile release systems for chronotherapy, floating drug delivery systems (acyclovir and atenolol), optimized microspheres, and nasal and ocular in situ gels. In addition to that, it encompasses anti-ulcer floating tablets, transdermal patches, emulgels, ethosomes, phytosomes, and composite tablets that are targeted to the colon.
- **Enhancement of Solubility and Bioavailability:** A number of techniques, including spray drying, surface dispersion, and solid dispersion (for example, aceclofenac and carvedilol), are utilized in order to improve solubility. In addition, studies investigate the impact of crystallization, spherical agglomerates, polymer-drug complexation, and hydrotropic agents on the enhancement of dissolution.
- **Lipid Nanocarriers, Microspheres, Emulgels:** Focus on lipid-based carriers such as biodegradable aceclofenac microspheres, methotrexate-loaded nanocapsules, fenofibrate nanoparticles, nasal microspheres, pain-relief emulgels, and antimicrobial/targeted delivery systems.
- **Analytical Method Development (UV, HPLC):** This includes the development of UV and HPLC methods for drug quantification and degradation, as well as the utilization of hydrotropic agents (such as cefixime), residue analysis on equipment, and experimental studies of forced degradation.
- **Herbal/Phytoformulations:** The research conducted on herbal and phytoformulations includes the investigation of anthelmintic and antioxidant activity (Valeriana, Carum, and Bauhinia), the standardization of Kumaryasava, the utilization of Jatropha latex as a binder, the screening of phytochemicals, and the development of phytosomes for the delivery of herbal drugs.

Dr. Babasaheb Ambedkar Technological University Lonere Raigad

One Page Summary of Research Area

Name: Dr. Dhairysheel Mahadeo Ghadge

Date of Birth: 5/6/1982

Qualifications: Ph.D. in Pharmacy

Domain and Department: Lipidic nanoparticles for the treatment of cancer,

Dept-Pharmacy

Research Area: Naoparticulate Drug Delivery - Lipidic nanoparticles for the treatment of cancer

Organization/Institute: Gourishankar Institute of Pharmaceutical Education and research, Limb, Satara

Address:

Cell Phone No : 9960485548 & Email ID:dhairysheelsatara@gmail.com

No of M. Tech & PhD Students Completed & Ongoing: No. of M. Pharm. Completed students : 30, No. of Ph.D. Completed students : 0

Publications in Scopus/SCI Journals only (Attach as hyperlink): 8

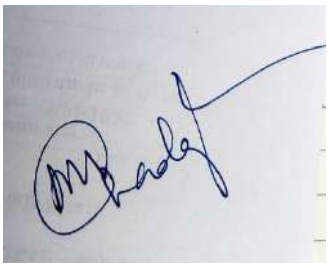
Summary of Research Domain:

Lipidic nanoparticles are a type of drug delivery system that are being extensively researched for the treatment of cancer. These nanoparticles are composed of lipids, which are natural molecules that are well tolerated by the body and can encapsulate anti-cancer drugs for targeted delivery to the tumor site.

One of the main advantages of lipidic nanoparticles is their ability to improve the solubility and stability of anti-cancer drugs, which can lead to increased drug effectiveness and reduced side effects. These nanoparticles can also protect the drug from enzymatic degradation in the body, leading to prolonged circulation time and enhanced drug delivery to the tumor.

In addition, lipidic nanoparticles can be modified with targeting ligands that can specifically bind to receptors overexpressed on cancer cells, allowing for improved drug accumulation at the tumor site and reduced systemic toxicity. Furthermore, these nanoparticles can be engineered to release the drug in a controlled manner, ensuring sustained therapeutic levels at the tumor site.

Overall, lipidic nanoparticles show great promise as a drug delivery system for the treatment of cancer, with ongoing research focused on optimizing their design and formulation to enhance their therapeutic potential and improve patient outcomes.



Name & Sign
Dr. Dhairysheel Mahadeo Ghadge,

Dr. Babasaheb Ambedkar Technological University, Lonere Raigad

One page summary of Research Area

<table>
<tr><td>Name</td><td colspan="5">Dr. Pramod L. Ingale</td><td rowspan="4">  </td></tr>
<tr><td>Qualification</td><td colspan="5">M. Pharm., Ph.D.</td></tr>
<tr><td>Designation</td><td colspan="5">Principal</td></tr>
<tr><td>Official Address</td><td colspan="5">Shri Gajanan Maharaj Shikshan Prasarak Mandal’s Dnyanvilas College of Pharmacy, Gat No. 76, Off Alandi-Moshi Road Dudulgaon, Pimpri-Chinchwad Pune</td></tr>
<tr><td>Phone & Email</td><td colspan="5">9822493075
ingalepramod@gmail.com
ingalepramod@rediffmail.com</td></tr>
<tr><td>Qualifications with Class / Grade</td><td colspan="6">UG: B. Pharm (First Class)- University of Pune- 1999
PG: M. Pharm (First Class)- University of Pune- 2001
Ph.D.: Pharmaceutical Sciences- JNTU, Hyderabad- 2016</td></tr>
<tr><td>Total Experience in Years</td><td colspan="2">Teaching: 24</td><td colspan="2">Industry: - 0</td><td colspan="2">Research: 16</td></tr>
<tr><td>Area of Research</td><td colspan="6">Synthetic Chemistry and SAR based Drug discovery, heterocyclic chemistry, Multicomponent reactions, Analytical Method Development and Validation, Stability indicating methods for bulk drugs and their various formulations, Network Pharmacology.</td></tr>
<tr><td>Papers Published</td><td colspan="6">International- 44 (15 Scopus indexed and 29 (Peer reviewed Journals)
National- 02</td></tr>
<tr><td>Papers presented in conference</td><td colspan="6">33</td></tr>
<tr><td>Citations</td><td>157</td><td>H-Index</td><td>7</td><td>i10-index</td><td colspan="2">5</td></tr>
<tr><td>PhDs /Projects Guided</td><td colspan="3">PhDs : 04 ongoing</td><td colspan="3">Projects at Masters level: 21</td></tr>
<tr><td>Books Published / IPRs/ Patents</td><td colspan="6">03 Patents, 03 Book authored</td></tr>
<tr><td>Research Grants Received</td><td colspan="6">1. Received Rs. 1.80 Lakhs Research Grant from BCUD, University of Pune for Project entitled “Development and Validation of RP- HPLC method for determination of Antihypertensive drugs in Biological Fluids.”(Project completed)
2. Received Rs. 3.00 Lakhs of Research Grant from BCUD, University of Pune for Project entitled ‘Synthesis of Tetrazolobenzodiazepine Derivatives by Multicomponent Reactions, as Potential Therapeutic Agents’ (Project completed)</td></tr>
</table>

Resume

Dr. Ravindrakumar L. Bakal

Principal
Shri Swami Samarth Institute of Pharmacy,Parsodi Road, Dhamangaon Rly., 444709

Qualification

- **Ph.D** (KBC NMU, Jalgaon) 2013
- **M. Pharm** (DAVV, Indore) 1994
- **B. Pharm** (SGB Amravati University, Amravati) 1990
- **D. Pharm** (MSBTE, Mumbai) 1985
- **AIC** (Institution of Chemist, Kolkata) 2010
- **D. Litt** (University of South America, USA) 2016
- **D. Sc** (University of Central America) 2023

Industrial Experience (15.11 years)

- **Production Chemist (**KANS Pharma, Aurangabad) 2.11 Yrs
- **Managing Director (**Hindustan Herbal (I) India, Akola) 13 Yrs

Academic Experience (15.2 Yrs)

- **Principal** (Shri Swami Samath Institute of Pharmacy, Dhamangaon Rly.) **(Presently Working)** 2.5 Years
  (DBATU Approval No: DBATU/Affi./Regular Principal/2023/435, Dt. 18/12/2023**)**
- **Professor** (Shri Swami Samath Institute of Pharmacy, Dhamangaon Rly.) 2 months
- **Principal (**Dr. Rajendra Gode Institute of Pharmacy, Amravati) 4.2 Years
- **Principal** (DKYDSCT College of Pharmacy, Sakegaon) 3.9 Years
- **Professor (**P. Wadhwani College of Pharmacy, Yavatmal) 4 Months
- **Associate Professor (**P. Wadhwani College of Pharmacy, Yavatmal) 4.0 Years

Honors & Awards

- Lifetime achievement award 2024 at APTI sponsored National conference on recent Trends in Clinical Trials in India and Abroad organized by Fabtech College of Pharmacy Sangola, District Solapur.
- Dr. S. G. Wadodkar Memorial Award 2020 from Vardhaman Foundation, Nagpur.
- Intellectual of the Year-2020 from Rifacimento International, New Delhi.

Membership of Professional Bodies

❖ Life member of APTI (Reg. No. MA/LM-2155), New Delhi, and MSPC (Reg. No. 99682, 16th Dec 2008), Mumbai

Conferences attended

- National- 21 and International 02

Patent Publications, Book Publications & Book Chapter Publications

- Patent- 3, Books- 1, Chapter- 3.

Speaker invitation for conferences

- National and International conferences 20

PG and PhD students guided

- PG students- 50 (Pharmaceutical & Medicinal Chemistry)
- PhD students- 03

Research Publications

International Publications:	64		
National Publications:	192	**Total:**	**256**
Research Gate Citation:	1576		
RI Score:	1116.2	Reads:	69918
Recommendation:	299		
Google Scholars Citation:	1999		
H-index:	25	i10 index:	65
Cumulative Impact Factor (JCR 2022):	84.515		

Author ID

Scopus	SC- 24483248600
ORCID	https://orcid.org/0000-0002-4964-4654
Web of Science	AAV-6322-2020
Google Scholar ID	https://scholar.google.co.in/citations?user=B1_qgJIAAAAJ&hl=en

Signature

Dr. Babasaheb Ambedkar Technological University Lonere Raigad

One Page Summary of Research Area

Name: Dr. Dhanraj Raghunathrao Jadge

Date of Birth:10/04/1972

Qualifications: M. Pharm, Ph.D.

Domain and Department: Pharmacy (Pharmacognosy)

Research Area: Standardization of herbal Drug, Isolation of Phytoconstituent, Formulation and Pharmacological Evaluation

Organization/Institute: Womens College of Pharmacy, Peth Vadgaon

Address: Tal Hatkanangle, Dist. Kolhapur -416112

Cell Phone No & Email ID: 9850378272, dhanrajjadge@rediffmail.com

No of M. Tech & PhD Students Completed & Ongoing: 2 Ph.D. students completed

Publications in Scopus/SCI Journals only (Attach as hyperlink):

https://www.scopus.com/authid/detail.uri?authorId=36604371100

Summary of Research Domain:

1. Phytochemical Analysis
2. Standardization and Quality Control
3. Ethnopharmacology & Pharmacological Screening
4. Herbal Drug Formulation and Delivery Systems

Dr. Babasaheb Ambedkar Technological University Lonere Raigad

One Page Summary of Research Area

Name: Dr. Meenakshi Deodhar

Date of Birth: 1st June 1967

Qualifications: M.Pharm., Ph.D, M.A.(Psychology)

Domain and Department: Pharmacy, Pharmaceutical Chemistry

Research Area: Analytical method development and synthetic medicinal chemistry

Organization/Institute: TMV's Lokmanya Tilak Institute of Pharmaceutical Sciences, Pune

Address: Gultekadi, Pune

Cell Phone No & Email ID: 9922412483, mndeodhar@gmail.com

No of M. Tech & PhD Students Completed & Ongoing: M.Pharm. 25 completed Ph.D 04 completed. No ongoing

Publications in Scopus/SCI Journals only (Attach as hyperlink):

https://scholar.google.co.in/citations?user=a8w_3tYAAAAJ&hl=en

Summary of Research Domain:

My research area involves design, synthesis and evaluation of anti-inflammatory and anti-infectives. I have worked extensively in this area and published about 20 papers in the same. Another area of interest in analytical method development for pharmaceutical products including herbals. My three Ph.D. students have worked in this area and published papers and filed patents.

CURRICULUM VIATE

Dr.Wagh Vaibhav Sudhakar
C/O, Mr.S.K.Wagh
793,"SHRAMSAPHYLA"Mallgalli,
Bhingar, Ahmednagar, 414001
Dist: Ahmednagar (M.S.)
E-mail:
vaibhavsw2011@rediffmail.com,vsw.nnscopharmacy@gmail.com
Mob. No. 91; 8149371381

Profile:

A go-getter who has a self-set motto, which goes like "I will finish, what I start", which is backed by confidence, never gives up perseverance and hard work. Being a person of positive attitude, I am always willing to learn in every walk of my life. My concept of living is continuous improvement, which is proliferation of my behalf in finding rooms for improvement.

Objective	To learn, gain knowledge and develop skills to pursue research oriented carrier in pharmaceutical science.
Personal Information	Date of Birth : 17th may 1978 Gender : Male Name of Father : Wagh Sudhakar Krishnaji Marital Status : Married Languages known : English, Hindi and Marathi Nationality : Indian Strengths : Eagerness to learn, sincere, hard Working
Education Qualification	**Ph.D.2018-2024 Awarded.** Title:-"**Formulation and Development of self-emulsifying drug delivery system (SEDDS) to improve solubility and bioavailability of the poor water soluble drug Bictegravir Sodium"** **Post-Graduation 2010-2012** **Master of Pharmacy (M. Pharm.)** **Specialization: Quality Assurance Techniques.** **Topic : "Formulation and Comparative Evaluation of Osmotic Unilamellar Tablet"** Institute:- Padmashree Dr.Vitthalrao Vikhe Patil foundation's College of Pharmacy, Ahmednagar,Pune University, Maharashtra Result: - I st Semester 60.00 % , II nd Semester 62.00%,III rd Semester- "O" Grade., IV th Semester 66.14% **Graduation 1999** **Bachelor of Pharmacy (B. Pharm.)**

	Institute:-"Rajgad Dnyanpeeth College Of Pharmacy".Bhor.Pune Pune University, Maharashtra . Result: - 63.31 % **HSC 1995** Institute: - Residential Junior College, Ahmednagar. (University of Pune) Result: - 70.00% **SSC 1993** Institute: - "Sacred Heart Convent High School".Tal-Ahmednagar, Dist: Ahmednagar. (University of Pune) Result: - 78.57 %
Workshops & Conferences Attended	• Presented a poster on topic "**Software verification and validation"** in University level research project competition held at B.P.H.E.society's College, Ahmednagar,Dec 2010. • University of Pune Sponsored Seminar on **"Quality Assurance And Drug Regulatory Affairs And Challenges".** At P.D.V.V.P.F's College of Pharmacy, Ahmednagar(M.S.) 2011. • University of Pune Sponsored Seminar on **"Developments in practical pharmacology".** At P.D.V.V.P.F's College of Pharmacy, Ahmednagar(M.S.) Feb 2012. • University of Pune Sponsored QAT Seminar on "**Developments in Quality by Design"** At P.D.V.V.P.F's College of Pharmacy, Ahmednagar(M.S.) Feb 2012. • **'Emerging Trends In Phramacy Profession and Education'** APTICON 2014,November 2014. • **'Examination System' at AISSMS** College Of Pharmacy,Pune,Feburary 2014. • Attended seminar on **"Current Trends & Career Opportunities in Pharmacy"** At Satara under lead college scheme of Shivaji University ,Kolhapur(M.S.) Feb.2016. • '**Emerging Trends in Dosage Form Design'** AtJSPM's Charak college of Pharmacy and Research ,Pune(M.S.) January 2018. • **'Emerging Trends in Analytical Techniques'** at Shankarao Ursal College of Pharmacy, Pune. September 2018. • **'Recent Trends in Pharmaceutical Industry'** at RMD institute of Pharmaceutical Education and Research, Pune.Feb.2018. • **'Curriculum Orientation Programme Of SPPU'** conducted at Shankarao Ursal College of Pharmacy, Pune. October 2018.

	• **'2nd Indo-US Conference'** at Chennai, July 2018. • Actively participated in two day national conference**"Current landscape in drug research and development''** conducted on 11-10-2021 & 12-10-2021 • Participated & completed successfully AICTE Training And Learning (ATAL) Academy Online Elementary FDP on **"Innovation, Startup And Entrepreneuership Management"** from 13/09/2021 to 17/09/2021 at AISSMS College of Pharmacy. • Participated & completed successfully AICTE Training And Learning (ATAL) Academy Online Elementary FDP on **" Productivity Enhancement Through Empowered Youth"** from 19-07-2021 to 23-07-2021 at GRG POLYTECHNIC COLLEGE. • **1st Indo-Japanese Virtual International Conference** at Chennai on "**Recent Advances and Global Challenges in Pharmaceutical field**" 9th April 2022. • International Conference on '**Professional Development and Advanced Training in Artificial Intelligence driven drug design, discovery and development"** at PharmaNEST'3 JSS college of Pharmacy, Ooty.2023
Publications	• "Research article on Spectrophotometric estimation & validation of Hydrochlorthiazide in tablet dosage forms uing different solvents".{Der Pharma} Der Pharma Chemica, 2012, 4 (1):10-14. • "Development of ophthalmic in situ gelling formulation of ciprofloxacin HCL using gelan gum"{RJPT}Vol.04,Issue 11,November 2011-1742. • "Cleaning validation in pharmaceutical processing need,requirementand practical"{RJPDFT}Vol.03,Issue 05,Sep-2011,-215 • "Cleaning validation of paracetamol tablet as dosage formulation" {IJPS} • "Effect Of Gum Excipient On Drug Release And Swelling Of Ambroxol Hydrochloride Sustained Release Matrices"{Scholars Research Library- } Der Pharmacia Lettre, 2012, 4 (1):395-407} • "Effect of HPMC K4M,HPMC K15M,Sodium alginate and Carbopol 934 in the Formulation of Carbonyl Ion Capsule"{ Scholars Research Library-Der Pharmacia 2012,4(1)} • "Cross-linked Chitosan Diclofenac Sodium Beads For Sustained Release Systems" "{ Scholars Research

Library- Der Pharmacia Lettre, 2012, 4 (1):110-127 }

- Original Research article-“Effectiveness Of Microwave Drying In Improving Granule Characteristics In Tablet”{Indian Drugs-V-50,No.03.March 2013}
- “Eco-friendly spectrophotometric estimation of cefixime tablets using water as solvent and sodium lauryl sulphate as wicking and solubilizing agent”- Der Pharma Chemica, 2012, 4(4):1689-1694.
- “Monolithic osmotic tablets for controlled and enhanced delivery of Cefixime”Der Pharmacia Lettre, 2014, 6 (1):16-29
- “Monolithic Osmotic Tablets for Controlled and Enhanced Delivery of Domperidone.” Journal of Current Pharma Research 7 (2), 2017, 01-14.
- "Formulation Development and Evaluation of Liquid selfemulsifying drug delivery system (L-SEDDS) to improve solubility and bioavailability of the poor water soluble drug Bictegravir Sodium"International Journal of Pharmaceutical Research | Oct - Dec 2020 | Vol 12 , Issue 4.
- “cAMP: Recent and Future Perspective in Various Diseases” (MMJ-2021-06-0162) Malawi Medical Journal.June 2021.
- "Formulation Development And Optimization of S-SEDDS To Improve Solubility And Bioavailability Of The Poor Water Soluble Drug Bictegravir Sodium" Eur. Chem. Bull. 2022, 11(issue 12), 2445-2469.
- " Design Of Potent Anticancer Molecules Comprising Pyrazolyl-Thiazolinone Analogs Using Molecular Modelling Studies For Pharmacophore Optimization" Asian J Pharm Clin Res, Vol 16, Issue 8, 84-93, 2023.
- "In-silico Design of Potent Anti-tubercular Agents containing Isatinylthiosemicarbazone Pharmacophore"International Journal of Pharmaceutical Sciences and Drug Research, 2023;15(6):730-741.
- "Liposome-Encapsulated Tamoxifen Citrate: A Breakthrough Approach to Enhance Therapeutic Effectiveness"International Journal of Pharmaceutical and Phytopharmacological Research (eIJPPR) | June 2023 | Volume 13 | Issue 3 | Page 38-43.
- "Current Trends and Future Directions in Nanomedicine: A Review"International Journal of Pharmaceutical and Phytopharmacological Research (eIJPPR) | August 2023 | Volume 13 | Issue 4 | Page 14-19.
-

Patents	• Grant of Indian Patent on "**Methodology for formulation of nanotechnology based delivery system of nano carriers to cell of the immune system**".2022 • Grant of Australian Innovation Patent on **"A novel formulation of chitosan nanoparticles"**.7th August 2021 • Grant of German Innovation Patent on **" Formulation of a nanotechnology based delivery system from carriers to cell of the immune system"**17th June 2022.
Computer Skill	• Fluent with all computerized office applications. • MS-Office, Excel, Powerpoint,AI,etc
Instrument Handled	• Dissolution Apparatus, Disintegration Apparatus, Labpress compression machine, AF 90/80 Capsule filling machine,Compactor,Granulator . • Friability Tester, Hardness Tester.etc. HPLC(Jasco quartersnry & binary),UV(Shimadzu UV1800,UV1900I,Jasco 2026,2023).
Experience	Started my career as"Medical Repesentative" with **"COSME HEALTH CARE"** a division of CFL Pharmaceuticals ltd. in January 2000 to Feburary 2005 at Ahmednagar, then joined "**ELDER PHARMACEUTICALS"** at Ahmednager from Feburary 2005 to May 2006. Afterwards joined "KOPRAN PHARMACEUTICAL" as **"Production Officer** "from May 2006 to June 2008. Worked with **"KAKASAHEB MHASKE COLLEGE OF PHARMACY**, Ahmednagar,as Lecturer from June 2008 to Dec 2010. Worked with "**GENBA SOPANRAO MOZE COLLEGE OF PHARMACY"** ,Pune from 5th September 2012 to 26th June 2019 as Assistant professor **.(University approved)** . **JSPM's "Jayawantrao Sawant College of Pharmacy And Research"**, Pune as Assistant Professor from 8th July 2019 to 28th Feb 2021 . Recently working with **"N N Sattha college of Pharmacy" Ahmednagar** as Assistant Professor from 1st March 2021.
Academic Approvals	• SPPU permanent approval as Assistant professor in pharmaceutical Analysis from 2012 to 2020. • SPPU Adhoc approval as post graduate teacher for MPAT 2019 to 2021.

Key Responsibilities	• DBATU permanent approval for UG from 2021 to onwards. **Industrial:-** Active participation in production planning Execution of batches as per production plan Co-ordinate with IPQC persons during the manufacturing and inprocess for successful batches Co-ordinate with Q.C. and ADL regarding data analysis and interpretation of the same Co-ordinate with IPQA Documentation: Keeping BMR, Sequential, various log books online, Review of Batch Records.etc Effective man power handling. **Academic:-** Presentation of informative talk related to subject Manage theory and practical classes Conduct examination as exam incharge and CEO since 2013 to 2018 Evaluation of student as Project Co-ordinator. Manage and coordinate Academic Monitoring Committee Conducted pharmaceutical implant demonstration. Working as College Examination Officer from 2014 till 2019. Working as Academic Incharge from 2012 till date. Working as Vice Principal From Nov.2023 till date.
Audit Faced	MCC-Industry NAAC-Institute
Reference	• **Prof.Dr.Vishal V.Pande** RSMs N.N.Sattha college of Pharmacy,Ahmednagar Mb.No. +91 9623443179 • **Dr. R .L Sawant** P.D.V.V.P.F's College of Pharmacy, Ahmednagar(M.S.) Mb: + 91 9050150735. • **Prof. K.N.Tarkase** P.D.V.V.P.F's College of Pharmacy, Ahmednagar(M.S.) Mb: + 91 9850649189 • **Prof.Dr.N.C.Mohire** GSM college of Pharmacy, Wagholi,Pune(M.S.) Mb:+91 9860997239

Declaration: The above information provided is true to the best of my knowledge and belief.

Thanking you,

Date: 18/01/2025

Place: Ahilyanagar Wagh V.S.

Dr. Babasaheb Ambedkar Technological University Lonere Raigad

One Page Summary of Research Area

Name: Dr. Ganesh G. Tapadiya

Qualifications: M.PHARM (Sant Gadge Baba Amravati University), PhD (Dr. Babsaheb Ambedkar Marathwada University)

Department: PHARMACY

Research Area:

Phytochemical Screening

Herbal and Ayurvedic Medicines, Isolation and Characterization of actives using sophisticated techniques and their formulation, development and regulatory aspects
Pharmacognosy involves the identification and authentication of medicinal plants

Synthesis and Analytical Characterization

- **Chromatographic Methods**: Techniques like High-Performance Liquid Chromatography (HPLC), Gas Chromatography-Mass Spectrometry (GC-MS), and Thin-Layer Chromatography (TLC) are used to profile active constituents and detect contaminants.
- **High-Performance Thin-Layer Chromatography (HPTLC)**: Used for fingerprint profiling to identify and quantify phytoconstituents, ensuring batch-to-batch consistency.
- **Spectroscopic Techniques**: Methods such as Nuclear Magnetic Resonance (NMR) and Fourier-Transform Infrared Spectroscopy (FT-IR) provide structural information about phytochemicals.

Formulation Development

The formulation aspect focuses on creating effective and stable herbal products:

- **Standardization**: Ensuring uniformity in the concentration of active ingredients across different batches.
- **Stability Testing**: Assessing the shelf-life and storage conditions of herbal formulations.

Address: Shreeyash Institute of Pharmaceutical Education and Research, Chh. Sambhajinagar

Cell Phone No & Email ID: 9823760515, ganeshtapadiya@gmail.com

Experience : 18 years

Publications: International Journals: 25 (SCOPUS INDEXED), 32 (Peer reviewed Journals)

International Conferences: 05

Dr. Babasaheb Ambedkar Technological University Lonere Raigad

One Page Summary of Research Area

Name: Dr.Jayprakash Sitaram Suryawanshi

Date of Birth: 25/10/1979

Qualifications: M.Pharm Ph D

Domain and Department: Pharmacy

Research Area: Herbal drug and phytochemical research

Organization/Institute: RSM N.N. Sattha College of Pharmacy, Ahilyanagar

Address: Anand Dham road,Ahilyanagar 414001

Cell Phone No & Email ID: jay.suryawanshi79@gmail.com 9421107998

No of M. Tech & PhD Students Completed & Ongoing: 00

Publications in Scopus/SCI Journals only (Attach as hyperlink):

doi.org/10.1515/9783111338477-011

https://doi.org/10.69857/joapr.v12i3.528

https://impactfactor.org/PDF/IJDDT/14/IJDDT,Vol14,Issue2,Article59.pdf

https://impactfactor.org/PDF/IJDDT/14/IJDDT,Vol14,Issue2,Article60.pdf

https://impactfactor.org/PDF/IJDDT/14/IJDDT,Vol14,Issue2,Article64.pdf

http://benthamscience.com/public/chapter/24103

https://www.taylorfrancis.com/chapters/edit/10.1201/9781003434313-6/biodegradable-non-biodegradable-sustainable-biomaterials-sachin-kothawade-vishal-pande-jayprakash-suryawanshi-ashwini-kumar-parveen-kumar-ajay-kumar

10.5958/0974-360X.2020.00662.9

https://pubmed.ncbi.nlm.nih.gov/24019572/

Summary of Research Domain

My research work mainly focuses on herbal novel formulations and pharmacognostic and phytochemical research. Also Ayurvedic formulations, their standardization and evaluation by using modern methods.

Dr.J.S.Suryawanshi

Dr. Babasaheb Ambedkar Technological University Lonere Raigad

One Page Summary of Research Area

Name: Dr.Ashpak Mubarak Tamboli.

Date of Birth: 08/10/1985

Qualifications: M.pharm. Ph.D

Domain and Department: Pharmacy and Pharmaceutical Chemistry

Research Area: Phytochemistry, Analytical and Synthetic Work.

Organization/Institute: Sahyadri College of Pharmacy Methwade, Sangola.

Address: Sahyadri College of Pharmacy Methwade, Sangola. Pin code: 413307.

Cell Phone No & Email ID: 9975402465 and ashpak.tamboli@gmail.com

No of M. Tech & PhD Students Completed & Ongoing: 45 M.Pharm. Students completed and 8 ongoing & Ph.D: NA

Publications in Scopus/SCI Journals only (Attach as hyperlink):
https://www.scopus.com/authid/detail.uri?authorId=36444481500

Summary of Research Domain:

1) **Phytochemistry:**
   Worked on Phytochemical and Pharmacological evaluation of medicinal plants as well as Isolation Characterization and docking study of phytoconstituents. Also work on development and evaluation of polyhedral formulation, Identification of phytoconstituents from plant leaves by GC-MS analysis as well as prediction of pharmacokinetic properties and molecular docking assay on the identified compounds.

2) **Analytical Work:**

   Worked on RP-HPLC and UV Spectroscopic Method Development and Validation, Development of forced degradation and stability indicating studies of drugs.

3) **Synthetic Work:**
   Design, Synthesis and Pharmacological Evaluation of different Derivatives.

Name & Sign
[Dr. Ashpak M. Tamboli]

Dr. Babasaheb Ambedkar Technological University Lonere Raigad

One Page Summary of Research Area

Name: Dr. Balaji Sopanrao Wakure

Date of Birth: 15/01/1979

Qualifications: M.Pharm, PhD

Domain and Department: Pharmaceutical Sciences/ Pharmacy

Research Area: NDDS/ Nanotechnology in Pharmaceutical Product

Organization/Institute: Vilasrao Deshmukh Foundation, School of Pharmacy, Latur

Address: New MIDC, Barshi Road, Latur

Cell Phone No & Email ID: 9798515555, balaji.wakure@gmail.com

No of M. Tech & PhD Students Completed & Ongoing: 08 Completed and 3 on going

Publications in Scopus/SCI Journals only (Attach as hyperlink):

SCOPUS ID: https://www.scopus.com/authid/detail.uri?authorId=57249786500
GOOGLE SCHOLAR ID: https://scholar.google.com/citations?user=VPkTrA0AAAAJ&hl=en
ORCID ID: https://orcid.org/0000-0002-6027-9379

Summary of Research Domain

- **Nanotechnology-Based Drug Development:** Proficient in the design and development of nanocarrier systems for targeted and efficient delivery of therapeutic agents, with emphasis on enhancing pharmacokinetic profiles and site-specific action.

- **Bioavailability Enhancement :** Specialized in formulating poorly soluble and poorly permeable drug molecules using advanced technologies such as solid dispersions, lipid-based carriers, and nano formulations to improve oral bioavailability.

- **Artificial Intelligence in Drug Delivery:** Integrating AI and machine learning techniques to optimize formulation parameters, predict drug release kinetics, and support data-driven decision-making in drug delivery research.

- **Sustained and Controlled Release Systems:** Experienced in the development and characterization of novel sustained and controlled release drug delivery systems to ensure prolonged therapeutic action and improved patient compliance.

- **Herbal Drug Formulation:** Skilled in the standardization, formulation, and scientific validation of herbal and phytopharmaceutical products, with focus on quality, efficacy, and regulatory compliance.

Dr. Balaji Sopanrao Wakure

Dr. Babasaheb Ambedkar Technological University Lonere Raigad

One Page Summary of Research Area

Name: Dr. Manoj Gangadhar Damale

Date of Birth:13/02/1985

Qualifications: M.S. Pharma. PhD(Pharmacy)

Domain and Department: Pharmaceutical Chemistry,(Pharmacy)

Research Area: Molecular Modelling, Synthesis and Screening of small bioactive Molecules.

Organization/Institute: Srinath College of Pharmacy, Chhatrapati Sambhajinagar

Address: 97-Shivprabha, Ramkrupa colony(Mahada), Darga road, opposite pratapnagar, Osmanpura. Chhatrapati Sambhajinagar, 431001

Cell Phone No&Email ID: 7304285589 pharmalink1985@gmail.com

No of M. Tech & PhD Students Completed & Ongoing: Completed :25 Ongoing: 05

Publications in Scopus/SCI Journalsonly(Attach as hyperlink):

https://www.scopus.com/authid/detail.uri?authorId=55595857700

Summary of Research Domain

The research focuses on the design, synthesis, and biological evaluation of novel bioactive molecules, particularly for applications in antimicrobial, anticancer, and antifungal therapy. His core research areas include:

1. Medicinal and Organic Chemistry
   - Synthesis of heterocyclic compounds with potential pharmacological activity.
   - Green and ultrasound-assisted synthetic methodologies for drug development.
2. Computer-Aided Drug Design (CADD)
   - Molecular docking, virtual screening, and in silico ADMET predictions to identify promising drug candidates.
   - Comparative pathway analysis and molecular modeling of bacterial and fungal targets.
3. Natural Product Chemistry
   - Isolation, modification, and evaluation of natural compounds for antibacterial and antifungal activity.
   - Review and analysis of clinical development of natural product-derived drugs.
4. Biofilm Inhibitors and Resistance Modulators
   - Targeting bacterial and fungal biofilms and studying resistance mechanisms using computational tools and synthetic chemistry.
5. Pharmaceutical Education and Practical Chemistry
   - Authored books and manuals on pharmaceutical chemistry practicals aligned with PCI curriculum.
   - Focused on skill development in synthesis, analysis, and lab techniques.

Dr. Damale has published over 42 research papers in reputed journals, with a cumulative impact factor of ~125, an h-index of 18, and over 921 citations. His research contributions are recognized through patents, conference awards, and national-level recognitions in the field of pharmaceutical sciences.

Name & Sign

Dr. Manoj G.Damale

Dr. Babasaheb Ambedkar Technological University Lonere Raigad

One Page Summary of Research Area

Name: Dr. Manoj Balasaheb Shinde

Date of Birth: 24/04/1989

Qualifications: Ph.D.

Domain and Department: Pharmacy

Research Area: Targeted drug delivery, Nanotechnology in formulation development

Organization/Institute: Satara College of Pharmacy, Satara

Address: Plot no. 42, Radhakrushna Colony, Near Amarlaxmi Chowk, Sambhaji nagar, Satara, Pin Code- 415004**.**

Cell Phone No & Email ID: 7709058366, manojshinde2489@gmail.com

No of M. Tech & PhD Students Completed & Ongoing: Completed- 05, Ongoing- 05

Publications in Scopus/SCI Journals only (Attach as hyperlink):

https://www.scopus.com/authid/detail.uri?authorId=58509494600

http://dx.doi.org/10.52711/0974-360X.2023.00703
http://dx.doi.org/10.25258/ijddt.13.2.16
http://dx.doi.org/10.25258/ijddt.14.2.64
http://dx.doi.org/10.25258/ijddt.14.2.59
http://dx.doi.org/10.25258/ijddt.14.2.60

Summary of Research Domain

Targeted Drug Delivery and Nanotechnology in Pharmaceutical Formulations

Targeted drug delivery and nanotechnology are revolutionizing pharmaceutical research by significantly improving therapeutic outcomes while minimizing side effects. Traditional drug delivery systems often face challenges such as low bioavailability, limited tissue specificity, and systemic toxicity. These shortcomings have fueled the development of advanced strategies designed to deliver medications more precisely to diseased tissues—particularly in the treatment of cancer, neurological disorders, and infectious diseases.

Targeted drug delivery involves directing therapeutic agents specifically to the site of action, thereby minimizing their impact on healthy tissues. This can be achieved through several approaches, including **passive targeting** (leveraging natural physiological characteristics like the enhanced permeability and retention effect), **active targeting** (using ligands to bind selectively to receptors on diseased cells), and **stimuli-responsive systems** (which release

drugs in response to specific triggers like pH, enzymes, heat, or light). These methods help to increase drug concentration at the intended site, reduce systemic toxicity, and ultimately improve patient compliance and treatment effectiveness.

Nanotechnology plays a crucial role in enabling these targeted strategies by providing nanoscale drug carriers that offer precise control over drug release and distribution. Commonly used nanocarriers include **lipid-based systems** (like liposomes), **polymeric nanoparticles**, and **metallic nanoparticles**, each offering unique advantages. These nanosystems help protect drugs from degradation, extend their circulation time in the body, and facilitate controlled, site-specific release. As a result, they enhance both the pharmacokinetic and pharmacodynamic profiles of therapeutic agents.

Ongoing research in this field is focused on addressing the challenges of large-scale production, ensuring long-term safety, and navigating regulatory complexities. The ultimate goal is to develop next-generation drug delivery systems that are not only more effective and safer but also responsive and personalized to individual patient needs.

Dr. Manoj B. Shinde

Name & Sign

Dr. Babasaheb Ambedkar Technological University Lonere Raigad

One Page Summary of Research Area

Name: Dr. Preeti Prashant Mehta

Date of Birth: 10/05/1983

Qualifications: PhD

Domain and Department: Pharmacy- Pharmaceutical chemistry

Research Area: Synthetic chemistry, Prodrug chemistry, Analytical method development & validation, Formulation development

Organization/Institute: Navsahyadri Institute of Pharmacy, Nasrapur, Pune.

Address: S. No. 69-71, Naigaon, Nasrapur Tal. Bhor, Dist, Maharashtra 412213

Cell Phone No & Email ID: 9923577756 , preetigandhi2007@gmail.com

No of M. Tech & PhD Students Completed & Ongoing: --

Publications in Scopus/SCI Journals only (Attach as hyperlink):

https://drive.google.com/drive/u/0/folders/13o6at9NA0YkWneieYcLI5Us4S0HsXBDa

Summary of Research Domain

My research domain is Pharmaceutical chemistry. My research interests are focused on

- Prodrug chemistry
- Design, synthesis and evaluation of biologically active compounds
- Cyclodextrin chemistry
- Computational chemistry
- Analytical method development & validation
- Phytochemistry
- Hydrotropic solubilization

My studies have been published in peer reviewed national and international journals.

Name & Sign
Dr. Preeti P.Mehta

Dr. Babasaheb Ambedkar Technological University Lonere Raigad

One Page Summary of Research Area

Dr. Santosh Nivrutti Belhekar

Qualifications: M. Pharm., Ph.D

Department: Pharmacology

Research Area: Diabetes and diabetes complications, Hypertension, Kidney, hepatotoxicity, toxicity studies etc.

Address: Gourishankar Institute of Pharmaceutical Education & Research, Limb, Satara

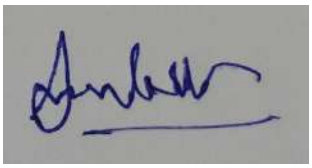
Cell Phone No & Email ID: 9860717257 **Email :santoshbelhekar@gmail.com**

Experience : 18 years

Publications: https://scholar.google.com/citations?user=oHTcZwEAAAAJ&hl=en

Photo :

Signature:



Dr. Babasaheb Ambedkar Technological University Lonere Raigad

One Page Summary of Research Area

Name: Dr. RASIKA D BHALKE

Qualifications: M.PHARM(SPPU PUNE), PHD (SPPU PUNE)

Department: PHARMACY

Research Area: EXTRACTION, ISOLATION, CHARACTERIZATION OF PHYTOCONSTITUENTS, FORMULATION DEVELOPMENT AND CHARACTERIZATION, PHARMACOLOGICAL SCREENING

Address: MATOSHRI INSTITUTE OF PHARMACY, DHANORE, YEOLA

Cell Phone No & Email ID: 7350981818, rasikabhalke@gmail.com

Experience : 19 years

Publications: International Journals: 20 (SCOPUS INDEXED), 52 (Peer reviewed Journals)

International Conferences: 22

Dr. Babasaheb Ambedkar Technological University Lonere Raigad

One Page Summary of Research Area

Dr. Prabhakar S. Panzade

Qualifications: M. Pharm, Ph.D (SRTMU, Nanded)

Department: Department of Pharmacy

Research Area: Nanoparticulate drug delivery, crystal engineering, SNEDDS, Solid dispersions

Address: Srinath College of Pharmacy, Waluj, Chh. Sambhajinagar

Cell Phone No & Email ID: 9921830320 **Email :** prabhakarpanzade@gmail.com

Experience : 15 years

Publications: https://scholar.google.com/citations?user=9aXGDX8AAAAJ&hl=en&authuser=1

Research is focused on the design, development, and evaluation of advanced drug delivery systems and solid-state modifications to enhance the biopharmaceutical performance of poorly soluble drugs. The primary goal is to overcome solubility, stability, and bioavailability challenges through innovative formulation approaches, enabling efficient and targeted therapeutic outcomes.

Key Research Areas

Co-crystal systems of different drugs like piroxicam, zaltoprofen, and other drugs prepared to improve solubility, stability, and mechanical properties of BCS Class II drugs. Several research and review articles were published in the same domain. Formulated and optimized liposomes for encapsulating poorly soluble and unstable drugs. Focused on size control, entrapment efficiency, and stability enhancement. Also, fabricated Quercetinloaded Graphene Oxide Nanoparticles for targeted anticancer delivery particularly breast cancer. Moreover, antioxidant activity and cytotoxicity for biomedical applications was assessed. Developed and evaluated amorphous and polymer-stabilized solid dispersions using novel carriers to increase dissolution rates of hydrophobic drugs.

Currently, engaged in fabrication and evaluation of nanocrystals by different methods for enhanced drug delivery and rapid dissolution and improved absorption. Besides, working on the modification of solid forms of drugs such as solid dispersion and co-amorphous systems for better solubility and thermodynamic stability. In addition, working on the preparation and evaluation of self-nanoemulsifying drug delivery systems of various drugs.

Dr. Babasaheb Ambedkar Technological University Lonere Raigad

One Page Summary of Research Area

Name: Dr. Vishal Chintaman Gurumukhi

Date of Birth: 20.06.1983

Qualifications: M. Pharm. Ph. D.

Domain and Department: Domain: Pharmaceutics, Quality Assurance

Department: Pharmaceutical Sciences/ Pharmacy

Research Area:

1. Formulation, Development and evaluation of novel drug delivery system.
2. Nanoparticulate drug delivery system.
3. Analytical method development using HPLC and its validation.
4. Transdermal drug delivery system
5. Buccal drug delivery system

Organization/Institute: Shreeyash Institute of Pharmaceutical Education and Research, Chh. Sambhajinagar

Address: Gut No 258 (P), Satara Parisar, Near SRPF Camp, Beed By Pass Road, Aurangabad, Maharashtra - 431010

Cell Phone No & Email ID: 8380048820 and vishalgurumukhi1584@gmail.com

No of M. Tech & PhD Students Completed & Ongoing: M. Pharm. Students: 42 & Ph. D. Students: Nil

Publications in Scopus/SCI Journals only (Attach as hyperlink): The hyperlink is attached.

Summary of Research Domain

1. Formulation, Development and Evaluation of Novel Drug Delivery Systems

This research focuses on designing innovative drug delivery platforms to improve therapeutic efficacy, bioavailability, and patient compliance. It involves the selection of suitable excipients, optimization of formulation parameters, and comprehensive in vitro and in vivo evaluations to ensure controlled, targeted, or sustained drug release.

2. Nanoparticulate Drug Delivery Systems

This domain explores the use of nanoparticles (1–1000 nm) as carriers to enhance the solubility, stability, and targeted delivery of drugs. Research includes the formulation of solid lipid nanoparticles, nanostructured lipid carriers, polymeric nanoparticles, and liposomes, emphasizing controlled release, reduced toxicity, and improved pharmacokinetics.

3. Analytical Method Development Using HPLC and Its Validation

This research involves designing precise and accurate analytical methods for the quantitative analysis of pharmaceutical substances using High-Performance Liquid Chromatography (HPLC). Validation follows ICH guidelines, focusing on parameters like linearity, accuracy, precision, specificity, limit of detection (LOD), and limit of quantitation (LOQ).

4. Transdermal Drug Delivery Systems

This area involves the development of drug delivery systems that enable drugs to be absorbed through the skin into systemic circulation. Research includes formulation design (e.g., patches, gels), permeation enhancers, and evaluation of drug release profiles, skin permeation studies, and stability testing for consistent therapeutic effects.

5. Buccal Drug Delivery Systems

Research in this domain focuses on delivering drugs via the buccal mucosa for systemic absorption, bypassing hepatic first-pass metabolism. It includes formulation of tablets, films, and gels that adhere to the mucosa, optimizing drug release, residence time, and absorption through permeability and bioadhesion studies.

Dr. vishal Chintaman Gurumukhi
Name & Sign

Dr. Babasaheb Ambedkar Technological University Lonere Raigad

One Page Summary of Research Area

Name: Dr. Balkrishna D. Tiwari

Date of Birth: 20/06/1979

Qualifications: M. Pharm.,Ph. D.

Domain and Department: Pharmaceutical Chemistry

Research Area: Impurity Profilling

Organization/Institute: Amepurva Forums Nirant Institute of Pharmacy

Address: Gocharswami Ward, Near Ganesh Temple, At Post/ Tq- Umarkhed, Dist- Yavatmal, Pin- 445206, Maharashtra, India

Cell Phone No & Email ID: 9422768178, balkrishnatiwari@gmail.com

No of M. Tech & PhD Students Completed & Ongoing: 0

Publications in Scopus/SCI Journals only (Attach as hyperlink):

Summary of Research Domain

One Page Summary of Research Area

Pharmaceutical chemistry research focuses on the chemical aspects of drug discovery, development, and characterization, including drug design, synthesis, and analysis. This field involves creating new drugs, improving existing ones, and understanding disease mechanisms. Key areas include drug design, synthesis, characterization, and analysis, as well as pharmacokinetics and pharmacodynamics, which are the study of how drugs move through the body and their effects.

Here's a more detailed look at the research domains within pharmaceutical chemistry:

1. Drug Discovery and Development:

Drug Design:

This involves using computational and structural biology tools to predict the best chemical structures for a drug candidate to interact with its target in the body.

Synthesis:

Pharmaceutical chemists synthesize new drug molecules, optimizing their structures and properties through various chemical reactions.

Lead Optimization:

Identifying and improving the characteristics of promising drug candidates.

Preclinical Studies:

Evaluating the drug's efficacy and safety in laboratory settings before clinical trials.

2. Characterization and Analysis:

Analytical Chemistry:

Using techniques like chromatography and spectroscopy to identify, isolate, and analyze drug compounds.

Drug Stability:

Studying how drugs degrade over time to ensure their effectiveness and safety during storage and use.

3. Formulation and Delivery:

Pharmaceutical Formulations:

Developing the right way to deliver drugs to the body (e.g., tablets, capsules, injections).

Targeted Drug Delivery:

Creating systems that deliver drugs directly to specific locations in the body, like diseased cells.

4. Understanding Disease Mechanisms:

Pharmacokinetics:

Studying how the body absorbs, distributes, metabolizes, and excretes drugs.

Pharmacodynamics:

Investigating how drugs interact with the body and their effects at the molecular, cellular, and systemic levels.

5. Emerging Areas:

Biotechnology and Biotherapeutics: Developing drugs based on biological materials, like antibodies and peptides.

Computational Chemistry: Using computer models to predict drug properties and interactions.

Nanomedicine: Utilizing nanoscale materials for drug delivery and diagnosis.

(Dr. B.D. Tiwari)

Name & Sign

Dr. Babasaheb Ambedkar Technological University Lonere Raigad

One Page Summary of Research Area

Name: Dr. Dilip Ashok Patil

Date of Birth: 28/11/1981

Qualifications: M. Pharm., Ph. D.

Domain and Department: Pharmacy Sciences, ; Pharm. Chemistry.

Research Area:

Organization/Institute: VEWS's, Ahinsa Institute of Pharmacy, Dhule Road Dondaicha, Dist Dhule

Address: Dhule Road Dondaicha, Dist Dhule

Cell Phone No & Email ID: 9922421814, dilipapatil@gmail.com

No of M. Tech & PhD Students Completed & Ongoing: Completed: 01; Ongoing : 00

Publications in Scopus/SCI Journals only (Attach as hyperlink):

Dr. Dilip Ashok Patil - Google Scholar

https://scholar.google.com/citations?user=4Qb9m6UAAAAJ&hl=en

Summary of Research Domain

Synthesis, biological evaluation, and molecular docking of 2,3-disubsituted-quinazolin-4(3*H*)-one derivatives, analytical method development. Application of Nanotechnology for Potential Targeting of Cancer, Formulation, Characterization and Anticancer activity of nanoparticles. Estimation of Heavy Metals in Cosmetic Products.

Name & Sign

Dr. Babasaheb Ambedkar Technological University Lonere Raigad

One Page Summary of Research Area

Name: Dr. Manojkumar Shesherao Patil

Date of Birth: 10 May 1983

Qualifications: M. Pharm., Ph. D.

Domain and Department: Pharmacy & Pharmaceutics

Research Area: Formulation and Development

Organization/Institute: Sahyadri College of Pharmacy, Methwade, Sangola, Solapur

Address: A/P: Methwade, Ta: Sangola, Dist.: Solapur 413307

Cell Phone No & Email ID: 9604757946 & manojpatil83@gmail.com

No of M. Tech & PhD Students Completed & Ongoing: 15 (M. Pharm. Students Completed) & Ph.D.-NA

Publications in Scopus/SCI Journals only (Attach as hyperlink):
https://www.scopus.com/authid/detail.uri?authorId=57196704807

ORCID ID: https://orcid.org/0009-0003-1707-8103

Summary of Research Domain:

Development and evaluation of gastro retentive drug delivery system,

Design, formulation and evaluation of Novel drug delivery system,

Formulation and evaluation of targeted drug delivery system,

Development and evaluation of polyherbal formulation,

Formulation and evaluation of fast dissolving drug delivery system,

Development and evaluation Transdermal drug delivery system.

Name & Sign

(Dr. Manojkumar Shesherao Patil)

Dr. Babasaheb Ambedkar Technological University Lonere Raigad

One Page Summary of Research Area

Name:

Date of Birth: 09/10/1978

Qualifications: PhD

Domain and Department: Pharmacy [Pharmacology]

Research Area: Cancer Pharmacology, Neuroendocrinology, Regenerative Medicine

Organization/Institute: Navsahyadri Institute of Pharmacy, Pune

Address: Rahul Park, Warje, Pune.

Cell Phone No & Email ID: 8999952780 ajaykalephd@gmail.com

No of M. Pharm completed -13

No of M. Pharm completed -21

& PhD Students Completed & Ongoing: -

Publications in Scopus/SCI Journals only (Attach as hyperlink):

https://www.scopus.com/authid/detail.uri?authorId=13408597000

Summary of Research Domain

Cancer Pharmacology: Research work in the field of Prostate cancer, and Head and neck Cancers

Neuroendocrinology: Research work on central neuronal receptors and their role in changes of neuroendocrine biomarkers during hypoglycemia

Regenerative medicine: Research work on stem cells and progenitor cells in neuronal regeneration

Dr. Ajay Kale

Name & Sign

Dr. Babasaheb Ambedkar Technological University, Lonere, Raigad

One Page Summary of Research Area

Name: Dr. Prakash Dilip Jadhav

Date of Birth: 07/10/1982

Qualifications: M.Pharm., Ph.D.

Domain and Department: Pharmacy (Pharmaceutics)

Research Area: Design and development of novel drug delivery system, Quality by design approach in pharmaceutical formulations, Nanotechnology.
Organization/Institute: YSPM's, Yashoda Technical Campus, Faculty of Pharmacy, Wadhe, Satara.
Address: 141, 'Shanti Vishwas' Guruwarpeth, Satara, Pin Code- 415002.
Cell Phone No & Email ID: 9011087378, prakash.jadhavagcop@gmail.com, pdj_mpharm@yes.edu.in
No of M. Tech & PhD Students Completed & Ongoing: Completed- 25, Ongoing- 05
Experience: 18 Years
Publications in Scopus/SCI Journals only (Attach as hyperlink):

https://www.scopus.com/authid/detail.uri?authorId=35095291100
https://scholar.google.com/citations?hl=en&user=SaHaxXcAAAAJ
https://www.sciencedirect.com/science/article/abs/pii/S1471489225000487
https://www.sciencedirect.com/science/article/abs/pii/B9780323951692000146
https://www.sciencedirect.com/science/article/abs/pii/S1773224721007693
https://link.springer.com/article/10.1007/s12247-018-9314-4
https://pubs.rsc.org/en/content/articlelanding/2016/ra/c6ra24595a/unauth
https://journals.innovareacademics.in/index.php/ijap/article/view/27415
http://impactfactor.org/PDF/IJDDT/12/IJDDT,Vol12,Issue1,Article19.pdf
https://rjptonline.org/HTMLPaper.aspx?Journal=Research%20Journal%20of%20Pharmacy%20and%20Technology;PID=2020-13-12-12
https://journals.innovareacademics.in/index.php/ijap/article/view/17760/11978
https://pubmed.ncbi.nlm.nih.gov/34931967/

Summary of Research Domain

Integrating nanotechnology and quality by design approach for development of novel drug delivery system

The integration of nanotechnology with the Quality by Design (QbD) framework presents a powerful strategy in the development of novel drug delivery systems (NDDS). Nanotechnology enables the design of advanced carriers such as polymeric micelles liposomes, dendrimers, solid lipid nanoparticles, and polymeric nanoparticles that offer enhanced bioavailability, targeted delivery, controlled release, and reduced toxicity of therapeutic agents. QbD is a systematic approach to pharmaceutical development that emphasizes understanding processes and controlling variability to ensure consistent product quality. When applied to Nano medicine, QbD facilitates robust formulation design.
By combining nanotechnology with QbD, we can better manage formulation challenges, scale-up issues, and regulatory compliance. This approach enhances the predictability, reproducibility, and efficiency of NDDS development.

Dr. Prakash D. Jadhav

Dr. Babasaheb Ambedkar Technological University Lonere Raigad

One Page Summary of Research Area

Name: Dr. ATUL BARAVKAR

Date of Birth: 01/04/1978

Qualifications: PhD

Domain and Department: PHARMACEUTICAL SCIENCES

Research Area: SYNTHESIS OF API, FORMULATION & DEVELOPMENT, BIOAVAILABILITY STUDIES, NUTRITIONAL FORMULA DEVELOPMENT

Address: PRINCIPAL, SCHOOL OF PHARMACY & RESEARCH CENTRE, SHARDANAGAR, BARAMATI 413115

Cell Phone No & Email ID:7798485278 , atul20078@gmail.com

No of M. Tech & PhD Students Completed & Ongoing: --00

Publications in Scopus/SCI Journals:

https://scholar.google.com/citations?user=qCaOGCEAAAAJ&hl=en

(Attach as hyperlink):

Summary of Research Domain

My main research domain is synthesis of novel API, formulation & development, bioavailability studies, nutritional formula development, analytical method development, drug design, characterization, molecular docking, QSAR studies, herbal drug formulations

Name & Sign
DR ATUL ARJUN BARAVKAR

Dr. Babasaheb Ambedkar Technological University Lonere Raigad

One Page Summary of Research Area

Name: Prof. (Dr.) Vijay D. Tambe

Date of Birth: 27/03/0982

Qualifications: M Pharm Ph D

Domain and Department:Pharmacy- Pharmacognosy

Research Area: Natural medicines

Organization/Institute: Pravara Rural Education Society's, College of pharmacy (D Pharm & B Pharm)

Address: A/P-Chincholi-Mohu, Tal-Sinnar Dist-Nashik (M.S.) 422 102 INDIA

Cell Phone No & Email ID: 9860872743 vijaytambepravara@gmail.com

No of M. Tech & PhD Students Completed & Ongoing: 00

Publications in Scopus/SCI Journals only (Attach as hyperlink):
https://scholar.google.com/citations?hl=en&user=rPwH7Q8AAAAJ

https://www.scopus.com/authid/detail.uri?authorId=58761275300

Summary of Research Domain

Natural medicines are the important area nowadays to search out newer drugs. People from the developed countries are on demand for the herbal products like nutraceutical, Dietary supplements etc. Research in these area is the timely requirement. Various chronic diseases are treated using most of natural medicine.

Prof. (Dr.) Vijay D. Tambe
Name & Sign

PRINCIPAL
College of Pharmacy (D.Pharm)
Chincholi-Mohu, Tal. Sinnar, Dist. Nashik

Dr. Babasaheb Ambedkar Technological University Lonere Raigad

One Page Summary of Research Area

Name: Dr. Avinash Shankar Bhosale

Date of Birth:14/03/1988

Qualifications: M. Pharm Ph.D

Domain and Department: Pharmacy (Pharmaceutical Chemistry)

Research Area: Drug design by molecular docking

Organization/Institute: Satara College of Pharmacy, Satara

Address: 13 "Akanksha" New Kranti Society Sambhajinagar, Satara, Maharashtra 415004

Cell Phone No & Email ID: 8600252604 bhosalea1@gmail.com

No of M. Tech & PhD Students Completed & Ongoing: M.Pharm Completed -6 and ongoing 5

Publications in Scopus/SCI Journals only (Attach as hyperlink):
https://www.scopus.com/authid/detail.uri?authorId=57219030085

Summary of Research Domain

Molecular docking stands as a pivotal computational technique in drug design, simulating the intricate dance between a small molecule (ligand) and its biological target, typically a protein. This structure-based approach predicts the most favorable binding orientation (pose) of the ligand within the protein's active site and estimates the strength of this interaction using scoring functions. By rapidly screening vast chemical libraries in virtual screening, docking identifies potential drug candidates and accelerates the early stages of drug discovery. It further aids in lead optimization by providing structural insights into ligand-target interactions, enabling the rational design of compounds with enhanced binding affinity. Beyond screening, docking contributes to target identification, drug repositioning, understanding mechanisms of action, and predicting drug resistance. While offering cost-effectiveness and speed, its accuracy is influenced by the limitations of scoring functions, the simplification of protein flexibility and solvent effects, and the potential for false positives. Nevertheless, molecular docking remains an indispensable tool, offering crucial insights that guide and accelerate the journey towards developing novel therapeutics.

Bhosale AS.

Dr. Avinash Shankar Bhosale
Name & Sign

Dr. Babasaheb Ambedkar Technological University Lonere Raigad

One Page Summary of Research Area

Name: Dr. Rahul Laxman Jadhav

Date of Birth: 25/07/1980

Qualifications: M. Pharm, Ph. D.

Domain and Department: Pharmaceutical Chemistry

Research Area: Synthesis, Polymer modification, Drug Design

Organization/Institute: Shivraj College of Pharmacy, Gadhinglaj, Kolhapur

Address: Vadrge Road, Gadhinglaj, Dist Kolhapur-416502

Cell Phone No & Email ID: 9730189811, rahuljadhav.25780@gmail.com

No of M. Tech & PhD Students Completed & Ongoing: M. Pharm. student completed: 13

M. Pharmacy student ongoing: 00

Ph. D. Student completed: 00

Ph. D. Student ongoing: 01

Publications in Scopus/SCI Journals only (Attach as hyperlink):

Total Citation: 203, H-Index: 09, i10 Index: 07, Vidwan ID: 168968, score: 6.1/10
Scopus ID: 34868015300, **ORCD ID:** https://orcid.org/0000-0001-8065-5039

Summary of Research Domain

1. Synthesis and evaluation of anticancer, antiviral, and antimicrobial agents.
2. Polymer modification and applications of modified polymer in various novel drug delivery systems.
3. Transdermal Delivery System
4. Nanoparticles in Breast Cancer Treatment
5. Simultaneous Spectrophotometric Estimation in Combined Dosage Form.
6. Natural indicators

Jadhav R. L.

Name & Sign

ONE PAGE SUMMARY ABOUT RESEARCH ACTIVITIES DONE/ IN-PROGRESS

Research Domain: Formulation and Development, Quality by Design, Novel and Targeted Drug Delivery Systems, Stability Testing of Pharmaceuticals, Solubility Enhancement and Herbal Formulations

Research Activities Under Progress

1. Formulation Development & Solubility Enhancement: Formulation development focuses on creating stable and effective pharmaceutical products. Enhancing the solubility of poorly water-soluble drugs is crucial for improving their bioavailability. Techniques such as amorphous solid dispersions using mesoporous silica, self-microemulsifying drug delivery systems (SMEDDS), and the use of natural deep eutectic solvents (NADES) have shown promise in increasing solubility and stability of drugs like curcumin.

2. Quality by Design (QbD): QbD is a systematic approach to pharmaceutical development that emphasizes understanding processes and controlling variability to ensure quality. It involves defining a Quality Target Product Profile (QTPP), identifying Critical Quality Attributes (CQAs), and implementing risk management strategies. QbD has been applied in developing hydrogel-based drug delivery systems and liposomal formulations for targeted delivery.

3. Stability Testing: Stability testing assesses how the quality of a drug substance or product varies with time under environmental factors like temperature, humidity, and light. It ensures that pharmaceutical products maintain their intended physical, chemical, microbiological, therapeutic, and toxicological specifications throughout their shelf life. Regulatory guidelines require stability data for drug approval and to determine appropriate storage conditions and expiration dates.

4. Novel & Targeted Drug Delivery: Therapeutic efficacy and reduce side effects. Nanoparticle-based systems, including liposomes, dendrimers, and polymeric micelles, have been developed for controlled and targeted drug release. These systems can respond to specific biological stimuli, enhancing drug accumulation at target sites and minimizing systemic exposure.

5. Herbal Formulations: Herbal formulations integrate traditional medicinal knowledge with modern pharmaceutical techniques. Challenges in this area include standardizing plant extracts, ensuring batch-to-batch consistency, and enhancing the bioavailability of active constituents. Innovative delivery systems, such as incorporating herbal extracts into SMEDDS, have been explored to improve solubility and therapeutic outcomes.

Name of Supervisor: Dr. Suresh G. Sudke

Dr. Babasaheb Ambedkar Technological University Lonere Raigad

One Page Summary of Research Area

Name: Dr. Sfurti Shamling Sakhare

Date of Birth: 28/11/84

Qualifications: M.PHARM PhD (Pharmacy)

Domain and Department: Pharmacy- Pharmaceutics
Research Area: Innovative Drug Delivery Systems and Natural Polymer-Based Pharmaceutical Formulations

Organization/Institute: Gourishankar Institute of Pharmaceutical Education and Research

Address: Survey No 440 Pune-Banglore Highway, Limb Satara 415001.

Cell Phone No & Email ID: 9657065059 sfurti_28@rediffmail.com/sfurti.shete@gmail.com

No of M. Tech & PhD Students Completed & Ongoing: 14 M.Pharm students guided.

Publications in Scopus/SCI Journals only (Attach as hyperlink):

1 https://brieflands.com/articles/ijpr-128643	9.https://rjptonline.org/HTMLPaper.aspx?Journal=Research%20Journal%20of%20Pharmacy%20and%20Technology;PID=2016-9-8-2
2https://www.ijpsnonline.com/index.php/ijpsn/article/view/2119	10. https://www.researchgate.net/publication/306214568
3.https://jrespharm.com/uploads/pdf/pdf_MPJ_732.pdf	11.https://www.sciencedirect.com/science/article/abs/pii/S1773224715000787
4.https://www.researchgate.net/publication/346211146	12.https://www.ijper.org/sites/default/files/IJPER_45_4_13.pdf
5.https://www.ijpsonline.com/articles/isolation-characterization-and-evaluation-of-iocimum-basilicumi-seed-mucilage-for-tableting-performance-3458.html	13https://rjptonline.org/HTMLPaper.aspx?Journal=Research%20Journal%20of%20Pharmacy%20and%20Technology;PID=2010-3-1-12
6 . https://archives.ijper.org/article/778	14.https://www.researchgate.net/publication/200779792_Invitro_Absorption_Studies_of_Mucoadhesive_Tablets_of_Acyclovir .
7.http://www.asiapharmaceutics.info/index.php/ajp/article/view/1624	15. https://pubmed.ncbi.nlm.nih.gov/20502540/
8.https://ijpsn.araijournal.com/index.php/ijpsn/article/view/788?articlesBySimilarityPage=1	16. https://brieflands.com/articles/ijpr-128643

Summary of Research Domain: The work spans the development, characterization, and evaluation of novel carriers and excipients to enhance drug bioavailability, stability, and therapeutic efficacy, with a focus on both synthetic and natural polymers. The research domain is characterized by a strong focus on innovative drug delivery systems and excipient science, with substantial contributions to improving drug solubility, stability, and targeted delivery using both synthetic and natural materials. This work supports the advancement of more effective, patient-friendly pharmaceutical products through scientific rigor and practical application.

DR.SAKHARE SFURTI S.

Research Domain Summary

Name: Dr.Sanjay R.Arote
Designation: Professor and Principal
Affiliation: Department of Pharmacology, Krishnrao Bhegade Institute of Pharmaceutical Education and Research, Talegaon Dabhade, Tal.Maval, Pune- 410507
Research Domain: Pharmacology – Phytochemicals and Phytoconstituents

Overview:
My research domain centers on the exploration, characterization, and pharmacological evaluation of phytochemicals and phytoconstituents derived from medicinal plants. This area of study aims to identify natural compounds with potential therapeutic benefits and elucidate their mechanisms of action, safety profiles, and clinical relevance.

Research Focus Areas:

1. **Isolation and Characterization**: Extraction of bioactive compounds using advanced chromatographic techniques (HPLC, LC-MS, GC-MS) and structural elucidation via NMR, FTIR, and spectroscopy.
2. **Pharmacological Evaluation**: Investigating anti-inflammatory, antioxidant, antimicrobial, anticancer, and neuroprotective activities through in vitro and in vivo studies.
3. **Ethnopharmacology**: Documentation and validation of traditional medicinal knowledge for scientific integration.
4. **Mechanistic Studies**: Molecular docking, receptor binding studies, and pathway elucidation using in silico tools.
5. **Formulation and Delivery**: Development of phytopharmaceutical formulations for enhanced bioavailability and therapeutic efficacy.

Significance and Impact:
This research supports the development of plant-based therapeutics as safer alternatives to synthetic drugs, contributing to evidence-based herbal medicine and drug discovery. It also aligns with national priorities in promoting traditional systems of medicine through scientific validation.

Future Directions:

- Collaboration with interdisciplinary teams for clinical translation
- Standardization and quality control of herbal products
- Exploring synergistic effects of multi-component phytoconstituent formulations

Keywords: Phytochemicals, Phytoconstituents, Pharmacology, Natural Products, Drug Discovery, Herbal Medicine

RESUME

Dr. Vrushali A. Kulkarni (Dr.V. S. Kahikar)
Address: Amepurva Forum's
Principal, Nirant Institute of Pharmacy,
Boramani, Solapur.
Mobile: +91 9404242601/9422564440
Email:vrushalipharma80@gmail.com

Academic Qualification:-

1) **Bachelor of Pharmacy**
   Final Year Summer-2001 66.86% First class
   University- Nagpur University, Nagpur.
2) **GATE 2001, Percentile: 76.25**
3) **Master of Pharmacy in Quality Assurance Tech.**
   Final Year Winter -2002 **70.00%** First class
   First Year Summer-2002 66.66% First class
   University- Nagpur University, Nagpur.
4) **Ph. D. Feb. 2014**
   University- Jawaharlal Nehru Technological University, Anantapur.

Professional Status:-

- Year- 2003-04, Lecturer, at Sitabai Thite College of Pharmacy, Shirur, Pune.
- Year- 2004-05 Associate Professor, Pharmaceutics at MCPL, Moshi, till 29.6.2020
- Year 2020-21 Principal & Professor, Amepurva Forum's Nirant Institute of Pharmacy, Boramani Solapur till date.

Recognitions:

- **PG and Ph. D Guide: Recognized as PG and Ph. D Guide at Dr. Babasaheb Ambedkar Tech. University Lonere, Savitribai Phule Pune University (SPPU) and Pacific University Rajasthan.**
- **Pharmacy Council of India (PCI) inspector: Recognized as a PCI inspector**

- **Total teaching experience: 22 Years**
- **No of Publications: 30**
- **No of Presentations: 15**
- **No of Books published: 04**
- **No of Patents Filed: 02**
- **Research Project completed: 01** (Rs. 3 Lacs)
- **No. of PG student Guided: 25**
- **No. of Ph D. student Guided: 04**