

Prof. (Dr.) SACHIN J. DIGHADE

M. Pharm., Ph. D.

Principal,

INSTITUTE OF PHARMACY AND RESEARCH,

Anjangaon Bari Road, Badnera, Amravati, Maharashtra 444701.

dr_dighade@yahoo.com, principaliopr@gmail.com

+91 9405456252 (Mob.), 0721-2571997(Res.), 0721-2970405(Office)

Highlights

- Doctorate in Pharmaceutical Sciences.
- M. Pharm in Pharmaceutical Chemistry.
- Over 23 years of experience in Administration, Research and Academics.
- Elected Member of Board of Studies (Pharmaceutical Sciences), SGBAU, Amravati.
- Member of Board of Examination and Evaluation (BoEE), SGBAU, Amravati.
- Worked as Co-chairman of Committee of 72nd Indian Pharmaceutical Congress (IPC), Nagpur.
- More than 30 research publications in National and International Journals.
- Recognized Ph. D. Supervisor for Pharmaceutical Sciences in SGBAU, Amravati and RTM Nagpur University, Nagpur for Pharmaceutical Sciences and Cosmetic Technology.
- Grants of Rs. 1,21,550/- fetched for the Institute.
- Published One text book on Medicinal Chemistry.
- Member of Professional Bodies like APTI, IPA, ISTE, IACP.
- Experience of establishing New courses. During the tenure as Principal started New Courses Viz. D. Pharm., B. Pharm., M. Pharm., B. Tech. (Cosmetic Technology) and applied for Research Center to SGBAU, Amravati.
- Successfully organized residential NSS Camps, Industrial Visits, Social activities etc.
- Ex-Member of Special Task Force (Examination, Academic) of RTM Nagpur University, Nagpur.
- Designed Model Syllabus for M. Pharm as per RTM Nagpur University directives.
- Under Graduate and Post-graduate examiner in RTM Nagpur University, SGB Amravati University and Gondwana University, Gadchiroli, SRTMU Nanded.
- Supervised 31 M. Pharm. dissertations.

- Worked in a dynamic, open and multicultural team environment.

RESEARCH INTERESTS/ CORE COMPETENCY AREA

Isolation, synthesis and semisynthesis of bioactive phytoconstituents and Computer Aided Drug Design.

EDUCATION and DEGREES

- 2011 Ph.D. R. T. M. Nagpur University, Nagpur
Guide: Prof. (Dr.) P. G. Yeole, Hon'ble Vice Chancellor, BAMU, Aurangabad.
Ph.D. THESIS: Formulation and Characterization of Some Herbs for Antidiabetic Activity.
- 2002 M. Pharm. (Pharmaceutical Chemistry) UDPS, Dr. H. S. Gour Vishwavidyalaya, Sagar University, Sagar, M.P.
Guide: Dr. R. K. Agarwal
M. Pharm. THESIS: QSAR Studies of a Novel Series of an Adrenergic Receptor Antagonist for BPH.
- 1999 B. Pharm., Vidya Bharti College of Pharmacy, Amravati, Maharashtra.

EMPLOYMENT DETAILS

- 2017- Present Principal, Institute of Pharmacy and Research, Badnera-Amravati (Maharashtra) 444701.
- 2013- 2017 Professor, (postgraduate level) Institute of Pharmaceutical Education & Research, Borgaon (M.), Wardha (Maharashtra) 442001.
R. T. M. Nagpur University approved post-graduate teacher.
- 2011- 2012 Associate Professor, (postgraduate level) Institute of Pharmaceutical Education & Research, Borgaon (M.), Wardha (Maharashtra) 442001.
R. T. M. Nagpur University approved post-graduate teacher.
- 2007- 2010 Assistant Professor, (postgraduate level) Institute of Pharmaceutical Education & Research, Borgaon (M.), Wardha (Maharashtra) 442001.
R. T. M. Nagpur University approved post-graduate teacher.
- 2002-2007 Lecturer, (graduate level) Institute of Pharmaceutical Education & Research, Borgaon (M.), Wardha (Maharashtra) 442001.

PROFESSIONAL EXPERIENCE

Teaching (Approved)
22 Years

Industry
2 Months

Total Experience: 22 Years

GUEST LECTURES DELIVERED (Resource Person)

1. AICTE Sponsored Short Term Training Programme on “Outcome Based Pedagogical Methods for Effective Teaching- Learning and Accreditation” at Institute of Pharmaceutical Education and Research, Borgaon Meghe, Wardha on 12/12/2020.
2. MSBTE, Mumbai sponsored One week Faculty Development Training Program on “Bridging Pharmaceuticals with Engineering towards Research & Development” on 18th December 2019 at Institute of Diploma in Pharmacy, Borgaon (Meghe), Wardha.
3. The Directorate of Technical Education, Maharashtra State, Mumbai sponsored one week training program for teachers of Government Colleges and Polytechnics of Pharmacy on “Artificial Intelligence in Healthcare: Opportunities and Challenges”, on 21st January 2020 at Government College of Pharmacy, Amravati.
4. AICTE Sponsored Two Week Faculty Development Programme on “LC-MS in Bioanalysis” at School of Pharmacy, Swami Ramanand Teerth Marathwada University, Nanded.

WORKSHOP, SEMINAR & CONFERENCE ATTENDED

- 2023 MSBTE approved Faculty Development Program on NBA Accreditation and Reassessment Process organized by Electrical Engineering Department Government Polytechnic Amravati during 27th April 2023 to 29th April 2023.
- 2022 One day Program on CBCS-NEP Executor’s Training Program organized by Sant Gadge Baba Amravati University, Amravati at P.R. Pote Patil College of Engineering and Management, Amravati on 17th Sept. 2022.
- 2022 One day training program under National Intellectual Property Awareness Mission organized by Intellectual Property Office and MoE’s Innovation Cell, India at Institute of Pharmaceutical Education and Research, Borgaon (M.), Wardha.
- 2018 MSBTE Sponsored Two day faculty development training program on “Outcome Based Education & NBA Awareness”, organized by VYWS Institute of Diploma In Pharmacy, Borgaon (Meghe), Wardha.
- 2018 One Week Training Program organized by Govt. College of Pharmacy, Amravati on “Impact of Modern Quality Systems on Pharmaceutical Education and Industries”.
- 2017 MSBTE Sponsored State Level Technical Paper Presentation Competition For Pharmacy Group, Organised at Dept. of Pharmacy, Government Polytechnic, Amravati.
- 2016 National Conference on “Health Care for All” held at Department of Pharmaceutical Sciences, RTMNU, Nagpur.

- 2016 6th Indo-Japanese International Symposium on “Overcoming Intractable Infectious Diseases Prevalent in Asian Countries” held at Panaji, Goa.
- 2014 AICTE Sponsored National Seminar on “Nanomedicines- Recent developments and Future Prospects”, held at Institute of Pharmaceutical Education and Research, Bargaon (M.), Wardha.
- 2013 AICTE Sponsored faculty development programme on “Current Strategies in Targeted Drug Delivery System”, held at Institute of Pharmaceutical Education and Research, Bargaon (M.), Wardha.
- 2013 AICTE Sponsored Industry Institute Partnership Cell One day workshop on Nanocarriers: An Emerging Platform for Drug Delivery”, held at Institute of Pharmaceutical Education and Research, Bargaon (M.), Wardha.
- 2013 AICTE Sponsored Industry Institute Partnership Cell One day workshop on “Emerging Frontiers in Cosmeceuticals”, held at Institute of Pharmaceutical Education and Research, Bargaon (M.), Wardha.
- 2011 AICTE Sponsored One day National Workshop on ‘Recent Trends in Drug Discovery’ held at Institute of Pharmaceutical Education and Research, Bargaon (M.), Wardha.
- 2011 AICTE sponsored National Seminar on ‘Current Trends in Molecular Modelling in Drug Design’, held at S. N. Institute of Pharmacy, Pusad, Dist. Yavatmal(M.S.)
- 2009 AICTE Sponsored National Symposium on, ‘Chromatography: An Important Tool for Herbal Pharmaceutical Industry’, held at institute of Pharmaceutical Education and Research, Bargaon (M.), Wardha.
- 2008 APTI 13th National Convention-2008 on, ‘Need of Quality Education for Changing Pharma-World’, held at SLT Institute of Pharmaceutical Sciences Guru Ghasidas University, Bilaspur, Chhattisgarh.
- 2007 One day workshop on 'Recent Advances in Analytical Chemistry' held at Institute of Pharmacy, Shipur.
- 2006 APTI Maharashtra State Branch Sponsored One Day National Seminar on Changing Scenario in Drug Delivery Systems’, held at Institute of Pharmaceutical Education and Research, Bargaon (M.), Wardha.
- 2004 AICTE Sponsored One day National Workshop on 'Safeguarding Biosphere from Pollution' held at Institute of Pharmaceutical Education and Research, Bargaon (M.), Wardha.
- 2001 “2nd National Pharmacy Students convention”, Hyderabad, Organised By Kakatiya University Pharma Alumni Association, Hyderabad.
- 2001 International Conference on “Current Trends in Drug Discovery Research”. CDRI, Lucknow.

PRESENTATION (Poster/ Seminar/ Paper)

1. Poster on “Pharmacist for the Better Quality of Life”, at National Pharmacy Student’s Convention Hyderabad.
2. Seminar on “Prodrug as Targeted Drug Delivery System”, at AICTE Sponsored faculty development programme on “Current Strategies in Targeted Drug Delivery System”, held at Institute of Pharmaceutical Education and Research, Bargaon (M.), Wardha.

3. Poster presentation on “Molecular Modelling Studies On 7-(Substituted)-Aminomethyl-4-Quinolone-3-Carboxylic Acid Derivatives”, at 6th Indo-Japanese International Symposium at Panaji, Goa.

RESEARCH PAPERS

1. **Dighade S.J.**, Jain H.K., Saxena A.K., Agrawal R.K., “Three Dimensional Quantitative Structure Activity Relationship of a series of Arylpiperazine: α 1a-Adrenoceptor Antagonist” Indian J. Pharm. Sci., 2003, 65(6):586-590.
2. **Dighade S. J.**, Awari M.Y., Yeole P. G., “Development of Analytical Method for Simultaneous Estimation of Spironolactone and Torsemide in Combined Dosage form”, Inventi Impact: Pharm Ana & Qual Assur, Vol. 2011, Issue 3:
3. **Dighade S. J.**, Gaurshettiwar D. D., Yeole P. G., “RP-HPLC Method for Simultaneous Estimation of Nebivolol Hydrochloride and Amlodipine Besilate in Tablet Dosage Form”, Inventi Impact: Pharm Ana & Qual Assur, Vol. 2011, Issue 3:
4. Yeole P. G., Wadher S. J., **Dighade S. J.**, “A Docking Study For Predicting The Inhibition of Metalloprotease Enzyme By Schiff Bases of Dapsone And Their Substituted 2- Azetidinone”, Inventi Impact: Molecular Modeling, Vol. 2012, Issue 1:
5. V. M. Tekade*, **S. J. Dighade**, P. G. Yeole., “Synthesis And Antimicrobial Evaluation of Some Thiazole Carbamate Derivatives, International Journal of Universal Pharmacy and Life Sciences 1(2): September-October 2011.
6. P R Mehta*, **S. J. Dighade**, P. G. Yeole., “Development of RP-HPLC Method for Simultaneous Estimation of Cefpodoxime Proxetil and Ofloxacin in Combined Solid Dosage Form”, Inventi Rapid: Pharm Ana & Qual Assur, Vol. 2013, Issue 2:
7. **Dighade S. J.***, Parikh P. K., “Synthesis And Evaluation Of Antioxidant Activity Of Some Ketone Derivatives Of Gallic Hydrazide Derived Schiff Bases”, Indian Drugs, 2017, Volume No. 54, Issue No.05, Page No. 56-62.
8. D. K. Dwivedi*, A. Sahu, **S. J. Dighade**, R. K. Agrawal, “Design, synthesis, and antimicrobial evaluation of some nifuroxazide analogs against nosocomial infection”, J. Heterocyclic Chem., 2020,1666.
9. Pohane A.L.*, Dhote T. A., Bonde S. G., **Dighade S. J.**, Review Article: A Corona Virus Disaster, 2020, Volume 9, Issue 5, Page No. 473-481.
10. Dhote T. A.*, Pohane A.L., Bonde S. G., **Dighade S. J.**, “A Contingency Plan for the Management of Viral Outbreak”, International Journal of Pharmacy & Pharmaceutical Research, 2020, Vol. 18, Issue 2, Page No. 309-331.
11. Shubham G. Bonde*, Tushar A. Dhote, Ashish L. Pohane and **Dr. Sachin J. Dighade**, “Review Article: Elegant Bilayer Tablets”, European Journal of Biomedical And Pharmaceutical sciences, 2020, Volume 7, Issue 6, 254-261.
12. Priyadarshini G. Patil, Sampada V. Marodkar, **Sachin J. Dighade**, Prajakta N. Dongare, Bhagyashri A. Borade, “Review Article: Innovative Approach for Nasal Drug Delivery System for Brain Targeting”, GSC Advance Research and Reviews, 2021, 09(03), 093-106.
13. Pooja R. Ganeshkar, Jivan M. Maidankar, **Sachin J. Dighade**, “Anticatalytic Activity of Rheum Emodi on Haloperidol Induced Parkinsonism”, International

- Journal of Pharmaceutical Sciences Research and Applications, 2022, Volume 7, Issue 1, 400-408.
14. Prajakta N. Dongare * , Tejashri B. Kadu, Ashish L. Pohane, **Sachin J. Dighade** and Priyadarshani G. Patil, “Review on Pharmacognosy, phytochemistry and pharmacological activity of Taraxacum officinale (Dandelion plant)”, World Journal of Advanced Research and Reviews, 2021, 12(02), 212–218
 15. Priyadarshani G. Patil* , Ishika P. Meshram, **Sachin J. Dighade**, Vaishnavi R. Belokar, “Review of artificial Intelligence,” International Journal of Pharmaceutical Research and Applications, Volume 7, Issue 1, Jan-Feb 2022, 423-437.
 16. Prajakta N. Dongare * , Ashish L. Pohane, **Sachin J. Dighade**, Tejashri B. Kadu and Ashish L. Pohane, “Review on Herbal Drug Formulation And Standardization”, International Journal of Science Academic Research, 2022, 03(02), 3513–3518.
 17. Vaishnavi R. Belokar * , Hitesh R. Sahejwani, **Sachin J. Dighade**, Priyadarshani G. Patil, “Telepharmacy: Way to Digital Pharmacy,” World Journal of Pharmaceutical and Life Sciences, Volume 8, Issue 3, 2022, 227-233.
 18. Vaishnavi R. Belokar * , Anuja K. Sable, Priyadarshani G. Patil, **Sachin J. Dighade**, “Personalized Medicines: A Novel Way to Drug Delivery System,” International Journal of Pharmaceutical Research and Applications, Volume 7, Issue 1, Jan-Feb 2022, 914-926.
 19. Pooja R. Ganeshkar* , **Sachin J. Dighade** and Anjali M. Wankhade, “Effects of Rheum Emodi on Haloperidol Induced Parkinsonism By Using Despire Swim Test,” World Journal of Pharmaceutical and Life Sciences, Volume 8, Issue 3, 2022, 115-121.
 20. **Dighade S. J.***, Chore S. A., Gaurkar S. D., “A Study on Antimicrobial Evaluation of Different Generic and Branded Tablet of Ciprofloxacin HCl Marketed in Wardha District”, Indian Journal of Pharmacy Practice Vol. 15(3), 177-183.
 21. Bhagyashri A. Borade*, **Sachin J. Dighade** and Suhas P. Padmane, “Robust Simple Analytical Technique for Development and Validation of Stability Indicating Assay Method for Estimation of Teneligliptin in Pharmaceutical Dosage Form”, International Journal of Pharmaceutical Sciences and Research, Vol. 13(8), 3280-3287.

PROFESSIONAL AFFILIATIONS

Indian Pharmaceutical Association MAH/NAG/LM/0138, Association of Pharmaceutical Teachers of India (MA/LM-448); Registered Pharmacist (Registration No. 62173), Indian Association of Colleges of Pharmacy IACP (Membership No. MHLM044). Indian Society for Technical Education ISTE (Membership No. LM131227)

SERVICES (Institute & University)

Institute

Member, Institute Accreditation committee, NAAC steering committee, Coordinator, Student welfare committee, National Seminar, Teacher In charge for Educational tour.

University

Member, LEC RTM Nagpur, postgraduate syllabus committee (RTM Nagpur University, Nagpur); Member, Paper-setter and evaluator for graduate and post-graduate examination (RTM Nagpur University Nagpur, SGB Amravati University, Amravati, Gondwana University), Gadchiroli, Institute Anti Ragging Committee, Member, Institute LMC.

RESEARCH GROUP

(Ph. D. Projects: 2022-2023)

Ms. Neha S. Gallani Development and Evaluation of Nanocrystals of BCS Class II/IV Drug for enhancing its solubility and Bioavailability.

Ms. Bhagyashree A. Borade Development of Nanocrystals of Ticagrelor, an Antiplatelet Agent for Enhancing Its Solubility and Bioavailability.

Ms. Pooja Ganeshkar

(M. Pharm Projects: 2016-2017)

Mr. Suraj Ojha Quality Assessment of Different Generic and Branded Tablet Dosage Form of Metformin HCl Marketed in Wardha District.

(M. Pharm Projects: 2015-2016)

Mr. Sumit Gaurkar Quality Assessment of Different Generic and Branded Tablet Dosage Form of Ciprofloxacin HCl Marketed in Wardha District.

Ms. Shivani Bondre Quality Assessment of Different Generic and Branded Tablet Dosage Form of Azithromycin Marketed in Wardha District.

(M. Pharm Projects: 2014-2015)

Mr. Rachit A. Mishra Development and Validation of Spectrophotometric Method for HPLC and UV for Simultaneous Estimation of Levofloxacin and Ambroxol in Tablet Dosage Form.

Mr. Vijay B. Nagpure Quality Evaluation of *Clerodendrum Infortunatum* Linn. For Immuno modulatory Activity.

(M. Pharm Projects: 2013-2014)

Mr. Jivan Gaikwad

Mr. Rajesh Mhaske Development of High Performance Liquid Chromatographic Method for Simultaneous Estimation of Alogliptin Benzoate and

Ms. Shweta Kathane	Metformin Hydrochloride in Combined Dosage Form. Quality Evaluation of <i>Cylista Scariosa Roxb</i> Leaves for Antioxidant and Antimicrobial Activities.
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(M. Pharm Projects: 2012-2013)

Mr. Devendra B. Barwad	Synthesis of Isobutyric acid derivatives for Antioxidant and Antimicrobial Activity.
Ms. Kalyani V. Wagh	Synthesis of 2,3-disubstituted Quinazolone derivatives for Antimicrobial Activity.
Ms. Payal K. Parikh	Synthesis and Evaluation of Antioxidant activity of some Ketone derivatives of Gallic hydrazide derived Schiff bases.
Ms. Hempushpa Thakre	Synthesis and Anti inflammatory Activity of Some Novel Thiophene Derivatives.
Mr. Kunal Agrawal	Synthesis of 9-Aminoacridine Derivatives for Cytotoxic and Antimicrobial Activity.
Mr. Preetesh Kumar	QSAR Studies of &-(Substituted)- Aminomethyl-4- Quinolone-3- Carboxylic acid derivatives.
Mr. Amol Balki	Bioanalytical Method Development and Validation of Anti-Ulcer Drug in Human Plasma by LC-MS/MS.

(M. Pharm Projects: 2011-12)

Ms. Sukeshini Lote	Microwave Assisted Synthesis And Antimicrobial Evaluation of 2-(4-Arylthiazole 2-yl Amino)-N- Aryl Acetamide Derivatives.
Mr. Deepak Dwivedi	Synthesis And Antimicrobial Evaluation of Some Benzhydrazide Derivatives.
Ms. Gauri Hatwar	Synthesis and Anti- Inflammatory Activity of Some Pyrazole Derivatives of Gallic Acid.
Mr. Parag Mehta	Development of High Performance Liquid Chromatographic Method For Simultaneous Estimation of Cefpodoxime Proxetil And Ofloxacin In Combined Solid Dosage Form.
Ms. Shital Tiware	Microwave Assisted Synthesis And Evaluation of Antimicrobial Activity of Some Pyrazoline Derivatives Containing Quinoline Moiety.

(M. Pharm Projects 2010-11)

Ms Minakshi Modak	Synthesis and Antimicrobial Evaluation of Some Benzofuran-3-One Derivatives.
Mr. Rakesh Thamke	Synthesis and Antimicrobial Evaluation of Some 2,5-di-Substituted- 1,3,4-Oxadiazoles.
Ms. Jayashree Tekade	Synthesis and Antimicrobial Evaluation of Some Thiazole Carbamate Derivatives.

(M. Pharm projects 2009-10)

Mr. Prashant Waghmode	Synthesis And Physicochemical Evaluation of N- Aryl Anthranilic Acid Derivatives.
Mr. Pratap Tenwar	Synthesis and antimicrobial evaluation of Some Quinazoline-2-

one Derivatives.
Mr. Santosh Chattani Synthesis and Evaluation of Azetidine-2-one and Thiazolidin-4-one Derivatives encompassing Benzothiazole for Antimicrobial Activity.

(M. Pharm Projects 2008-09)

Mr. Chetan Gaulkar Synthesis and Evaluation of Novel Pyrimidine Derivatives for their Antimicrobial Activity.
Mr. Ganesh Diwanka Synthesis and Evaluation of Some Amino Acid Conjugates of Aceclofenac.
Ms. Dipti Modani QSAR Studies on Novel Series of 2-Aminobenzophenone Derivatives as Bradykinin B₁ receptor Antagonists.

(M. Pharm Projects 2007-08)

Mr. Atul Bendale Synthesis and Evaluation of Some Amino Acid Conjugates of Aceclofenac.
Mr. D. Gaurshettiwar Development of Analytical Method for Simultaneous Estimation of Nebivolol Hydrochloride and Amlodipine Besilate in Combined Dosage Form.
Mr. Mahesh Awari Development of Analytical Method for Simultaneous Estimation of Spironolactone and Torasemide in Combined Dosage Form.

Personal Details

Gender: Male

Date of Birth: 12th April 1976

Nationality: Indian

Marital Status: Married

Languages known: English, Hindi and Marathi

Permanent Address: 29, MANGAL, Krushnarpan Colony

Behind Dasara Ground, Amravati-444605 (M.S.)

Date: 4th February 2024

Place: Amravati

Dr. Sachin J. Dighade