

DR. NALINI KURUP

Designation	Vice Principal, Assistant Professor (Selection Grade)
Date of Joining	01/01/2005
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EDUCATIONAL QUALIFICATION

Degree	Specializations	Awarding University	Awarded Year
Ph.D. (Tech)	Pharmaceutics	SNDT Women's University	2004
M. Pharm	Quality Assurance	SNDT Women's University	1999
B. Pharm	Pharmacy	Mumbai University	1997

COURSES TAUGHT

Class	Semester	Subject code	Name of the subjects
Second Year B. Pharm	III	BP302T, BP306P, BP304T, BP308P	Physical Pharmaceutics I Theory & Pracs Pharmaceutical Engineering Theory & Pracs
	IV	BP403T, BP407P	Physical Pharmaceutics II Theory & Pracs
Third Year B. Pharm	V	BP502T	Industrial Pharmacy I Theory
	VI	BP605T	Pharmaceutical Biotechnology
Final Year B. Pharm	VII	BP702T, BP704T	Industrial Pharmacy II Novel Drug Delivery System
M. Pharm	I	MPH102T	Drug Delivery System
	I	MPH103T	Modern Pharmaceutics
	II	MPH201T	Molecular Pharmaceutics
	II	MPH203T	Computer Aided Drug Development

RESEARCH STUDENT GUIDED/ONGOING

Degree	Specialization	Ongoing	Completed
Ph..D (Tech)	Pharmaceutics	04	-
M. Pharm	Pharmaceutics	03	14

AREA OF RESEARCH

- FORMULATION DEVELOPMENT OF CONVENTIONAL AND NOVEL DRUG DELIVERY SYSTEMS
- SOLUBILITY ENHANCEMENT STUDIES
- DESIGN OF COSMECEUTICALS
- LIPID BASED DRUG DELIVERY SYSTEMS
- DEVELOPMENT OF NANO CARRIER SYSTEMS

GOVERNMENT/INDUSTRY PROJECTS

Title of the projects	Amount (Lakhs)	Funding	Status
Herbal Formulation Development	0.35	Industry	Completed
WHO evaluation of Herbal extracts	10.00	Industry	Completed
Formulation and Evaluation of Nanocochleates - A Novel Drug Carrier	0.55	Mumbai University	Completed
Studies On Dissolution Enhancement of BCS Class II Drug	0.40	Mumbai University	Completed

Solubility Enhancement of Highly potent and poorly soluble drugs	17.00	AICTE - RPS	Completed
Formulation and Evaluation of a Herbal Hair Care Product	0.20	Mumbai University	Completed
“Design and Evaluation of anti-acne formulation containing an indigenous drug”	0.18	Mumbai University	Completed

LIST OF PUBLICATIONS

1. Tarachandani, M., & Kurup, K. (2008). Terahertz Technology. *Pharma Times*, 40(3), 11-14.
2. Kurup, N. S., & Naik, P. (2010). Microbubbles: a novel delivery system. *Asian Journal of Pharmaceutical Research and Health Care*, 2(3), 228-234.
3. Kurup, N. S., & Naik, P. (2010). Design and optimization of fast dissolving tablets containing metoprolol by sublimation method. *Int Res J Pharm*, 1 (1), 346-357.
4. Kurup, N. S., & Joshi, P. R. (2013). Formulation and evaluation of herbal microemulsion for controlling hair loss. *Int J Res Pharm Sci*, 4(3), 420-436.
5. Kurup, N. S. (2013). Formulation of irbesartan by microcrystal technology for enhancing the solubility and dissolution properties. *International Journal of Pharmaceutical Sciences and Nanotechnology (IJPSN)*, 6(2), 2064-2076.
6. Kurup, N., & Patil, B. (2016). Irbesartan Dissolution Rate Enhancement Through Incorporation Into Eudragit E -100 Polymeric Microparticles: In Vitro Characterization And Investigation Of Absorption In Rats. *International Journal of Research in Pharmacy and Chemistry*, 6(4), 636-642.
7. Kurup, N., & More, J. (2016). Nanostructured Lipid Carrier System for Dissolution Enhancement of Irbesartan. *International Journal of Science and Research Methodology, Human*, 4 (2): 14-36.
8. Vishwakarma, P., & Kurup, N. (2016). Formulation of Olmesartan by Surface Modification Technology for Enhancing the Solubility and Dissolution Properties. *Pharmacophore*, 7 (5), 412-423.
9. Shegokar, R., Athawale, R., Kurup, N., Yang, R., & Chougule, M. B. (2017). Lipid-based nanoparticles for targeted drug delivery of anticancer drug. In *Nanotechnology-Based Approaches for Targeting and Delivery of Drugs and Genes* (pp. 287-321). Academic Press.
10. Kurup, N., & Rajnani, N. (2018). Method Development of Methotrexate in Phosphate Buffer Solution by UV-Visible Spectroscopy. *International Journal of Trend in Scientific Research and Development*, 2 (4), 1213-1215.
11. Rajnani, N. P., Ahmed, S. S., & Kurup, N. S. (2019). Solubility Enhancement of Valsartan Using Modified Porous Starch as A Carrier. *International Journal of Pharmaceutical Research (09752366)*, 11(1), 335-346.
12. Unde, S., & Kurup, N. (2021). Development and Validation of Ultraviolet Spectroscopic Method for Estimation of Methoxsalen in Bulk Using Methanol and Phosphate Buffer (pH 7.4). *INDIAN JOURNAL OF PHARMACEUTICAL EDUCATION AND RESEARCH*, 55(2), S572-S579.
13. Kurup, N., & Rajnani, N. (2022). Chronology of Drug Development for Malaria. *Drug Development for Malaria: Novel Approaches for Prevention and Treatment*, 1-23.
14. Jain, P. J., Rajnani, N. P., & Kurup, N. S. (2023). Cannabis sativa: A Versatile Herb–An Overview on Pharmaceutical and Cosmetic Applications. *Cannabis sativa Cultivation, Production, and Applications in Pharmaceuticals and Cosmetics*, 63-80.
15. Mulrajani, K., Rajnani, N. & Kurup, N. (2023). Nanocochleates and Drug-Phospholipid Complex: Novel Approaches for Phospholipid Based Oral Delivery of Anti-Cancer Agents. *Indian Journal of Pharmaceutical Sciences*, 85 (1), 13-22.
16. Jain, P. J., Rajnani, N. P., & Kurup, N. S. (2023). Cannabis sativa: A Versatile Herb–An Overview on Pharmaceutical and Cosmetic Applications. *Cannabis sativa Cultivation, Production, and Applications in Pharmaceuticals and Cosmetics*, 63-80.
17. Kurup, N., & Warekar, D. (2023). Etiology and Therapy of Hormone Receptor-Positive Breast Cancer. *Drug and Therapy Development for Triple Negative Breast Cancer*, 181-200.

CONFERENCE, SEMINAR, WORKSHOP AND SYMPOSIUM

1. Attended one day National Seminar on “Innovation-Optimization: A New Paradigm for the development of Pharmaceuticals, organized by KMK in collaboration with APTI Maharashtra branch on 25th March 2023.
2. Attended 21st International Symposium on Advances in Technology and Business Potential of New Drug Delivery Systems, CRS-Indian chapter, 24th & 25th February 2023, Mumbai

3. Attended PCI sponsored CEP on Futuristic trends in teaching, Pedagogy & Research in Pharmaceutical Sciences organized by Shobhaben Pratapbhai Patel School of Pharmacy & Technology Management, SVKM's NMIMS, Mumbai from 14th - 16th February 2019.
4. Attended a one day workshop on Application of DoE and Biostatistics in Pharmaceutical Research organized by Shobhaben Pratapbhai Patel School of Pharmacy & Technology Management, SVKM's NMIMS, Mumbai from 16th March 2019.
5. Attended one Day Sympatec Seminar on Particle size Analysis 28th January 2018 at Prin. K. M. Kundnani College of Pharmacy.
6. Attended one Day National Seminar on "DIABETES: BENCH TO BEDSIDE" 27th January 2017 at Prin. K. M. Kundnani College of Pharmacy.
7. Attended two day ICMR Sponsored National Symposium on "CURRENT SCENARIO OF PHARMACOLOGY EXPERIMENTATION & INTERPRETATIONS" 2nd & 3rd September 2016 at Prin. K. M. Kundnani College of Pharmacy.
8. Attended a workshop on Critical Thinking & Independent Learning, a faculty development programme conducted by Prof. Paul Regan on 20th July 2016 at H.R. College of Commerce and Economics, Mumbai.
9. Participated in one day Workshop for Pharmacy Teachers on "Quality Pharmacy Education: Role of Accreditation", sponsored by APTI Maharashtra state branch, held at SVKM's Dr. Bhanuben Nanavati College of Pharmacy, Mumbai on 28th March'2016
10. Attended 15th International Symposium on Advances in Technology and Business Potential of New Drug Delivery Systems, CRS-Indian chapter, 19th & 20th February 2016, Mumbai.
11. Attended National Conference on Nanotechnology in Drug Delivery Research : Innovations, Challenges & Opportunities, 16th – 17th October 2015 at Bhaidas Hall, SVKM's NMIMS, Mumbai.
12. Attended a one day national seminar on "Pharmaceutical Excipients – An Insight", on 21st August 2015, at Prin. K. M. Kundnani college of pharmacy, Mumbai.
13. Attended 5th International Conference by South Asian Chapter of American College of Clinical Pharmacology, Mumbai, 2011.
14. Attended a one day seminar on "Regulatory Guidelines: New Drug Development, Registration and Approval", on 13th January 2007, at Prin. K. M. Kundnani college of pharmacy, Mumbai.
15. Participated in a two day technical programme of the "2005 ISPE India Annual Conference" from 16th – 17th June 2005, at Grand Hyatt, Mumbai.

AWARDS AND ACHIEVEMENTS

1. Awarded certificate of Appreciation by Senior Teachers Association for outstanding performance at SSC exam.
2. **Won best poster presentation** award at 51st IPC, Indore, 1999.
3. Won **2nd prize for Best Poster presentation** at 5th International Conference by ACCP, Mumbai 2011
4. Shraddha Unde, Tailor Amir Mohammad Ali and Dr. Mrs. Nalini S. Kurup, Formulation and evaluation of Ketoconazole microspheres by the solvent evaporation method, Papyrus Event as a part of Vortex 2017 event on 15th October 2017, at Institute of Chemical Technology (ICT), Mumbai, **awarded second position** in Paper Presentation Competition.
5. Chinal Talesara and Dr. Mrs. Nalini S. Kurup, **won Second prize** in E-poster competition held in the AICTE sponsored "International E-Conference on Pharmacy Practice and Therapeutics" organized by Nirmala College of Pharmacy on 19th and 20th August 2020 in collaboration with Wilkes University, USA and Myongji University, South Korea
6. Ms. Karishma Mulrajani and Dr. Mrs. Nalini S. Kurup was **awarded Third prize** in the scientific oral session at SNJBPharmacon'21
7. Mr. Nikhil Rajnani and Dr. Mrs. Nalini S. Kurup **was awarded first prize** in online oral presentation at APP 11th Annual International Convention
8. Ms. Priyanka Joshi Jain and Dr. Mrs. Nalini S. Kurup **was awarded third prize** in online oral presentation at ISFCO 2023
9. Ms. Darshana Warekar and Dr. Mrs. Nalini S. Kurup was **awarded third prize** in online poster presentation at MIPSCO 2023.
10. **Patent Application number** 201821049300 "Novel Drug Delivery System comprising Methotrexate" on 27/12/2018 Published on 03/07/2020. FER filed
11. **Provisional patent filed** on 03/04/2023 "Carrier based delivery system containing Delamanid"

FACULTY DEVELOPMENT PROGRAMME

1. Completed FDP, NPTEL course :Design of Learner-centric MOOC”
2. Completed Teachers training 8 modules of NITTT-AICTE
3. Completed AICTE sponsored faculty development programme on “Challenges, Opportunities and Recent advances in Cancer therapeutics and its molecular targets ” from 8th July to 18th July 2019 at Konkan Gyanpeeth Rahul Dharkar College of Pharmacy and Research Institute, Karjat, Dist. Raigad.
4. Completed AICTE sponsored QIP programme on “Nano DDS : Innovations, Challenges and Opportunities” from 5th February to 17th February 2018 at Poona college of pharmacy, BVP deemed university, Pune.
5. Completed AICTE sponsored QIP programme on “Emerging Trends in Pharmacological Research: Convergence of Molecular Targets” from 19th Dec to 31st December 2016 at Poona college of pharmacy, BVP deemed university, Pune.
6. Completed AICTE sponsored QIP programme on “Pharmacotherapy Review for Advanced Clinical Pharmacy Practice” from 18th December to 29th December 2012 at Poona college of pharmacy, BVP deemed university, Pune.
7. Completed AICTE sponsored QIP programme on “New Paradigms in Pharmaceutical Education” from 14th November to 26th November 2011 at Bombay College of Pharmacy, Mumbai.
8. Completed AICTE sponsored QIP programme on “Emerging global research trends in pharmacy” from 18th June to 30th June 2007 at Prin. K. M. Kundnani college of pharmacy, Mumbai.
9. Completed AICTE sponsored QIP programme on “Innovations in Pharmaceutical Biotechnology” from 20th Feb to 4th March 2006 at Poona college of pharmacy, BVP deemed university, Pune.
10. Completed AICTE sponsored QIP programme on “Extraction and standardization of plant based medicines” from 23rd Feb to 7th March 2004 at JSS college of pharmacy, Ootacmund.

PROFESSIONAL MEMBERSHIP

1. Life member of Association of Pharmaceutical Teachers of India
2. Life member of Indian Pharmaceutical Association
3. Registered pharmacist with Maharashtra State Pharmacy Council

ACADEMIC RESPONSIBILITIES

1. Semester Examination In-charge since 2010 till date
2. Scholarship In-charge, Nodal officer since 2017 till date
3. Admission Committee member since 2020 till date
4. Academic Calendar since 2016 till date
5. Journal Club In-charge since 2020 till date
6. Periodic test In-charge 2007-2010

OUTREACH ACTIVITY

1. Active member of SAP Greenery Committee at KMKCP
