



Name : Dr. ANIL M. PETHE
Designation : Professor & Principal
Qualification : M. Pharm., Ph.D., MBA
Specialization : Pharmaceutics
E mail id : anil.pethe@dmihher.edu.in
Phone : +91-8879212188
Experience : 23 Years

Worked at School of Pharmacy and Technology Management, SVKM'S NMIMS, Hyderabad Campus as Associate Dean (Aug 2019-Sept 2021); Worked at Shobhaben Pratapbhai Patel School of Pharmacy & Technology Management, NMIMS, Mumbai campus since 2014 in different capacities like Associate Professor, HOD Pharmaceutics, HOD Pharmaceutical Technology and Associate Dean. (Jan 2014-July 2019); He also served at School of Pharmacy & Technology Management, NMIMS, Shirpur Campus since August 2007 in various capacities like Assistant Professor, Associate Professor, In-charge HOD Pharmaceutics & HOD Quality Assurance (Aug 2007-Jan 2014). Also Served at TVES's College of Pharmacy, Faizpur Dist-Jalgaon, University Department of Pharmaceutical Sciences, RTM Nagpur University Nagpur, B.K. College of Pharmacy Sakoli Dist-Bhandara & SKB College of Pharmacy Kamptee Dist-Nagpur. (April 2002-July 2007)

Research areas:

- Novel Drug Delivery System
- Natural Polymers
- Nanocrystalline Cellulose
- Biowaste Conversion

Research Profile

✓  <https://scholar.google.co.in/citations?user=Mb-HiZQAAAAJ&hl=en>

- ✓  <https://www.researchgate.net/profile/Anil-Pethe-2>
- ✓  <https://orcid.org/0000-0002-6380-1847>
- ✓  <https://vidwan.inflibnet.ac.in/profile/283253>

- Publications: (International: 54, National: 06)
- Books: 02
- Book Chapters: 12
- Patents: 06 (02 Published, 04 Granted)
- Copyrights – 23
- Presentations: 50 (International: 08, National: 42)
- **Government funded projects: 02**
 - **Completed:** Dry powder inhalation containing biodegradable nanoparticles of Niclosamide to combat COVID-19 infection, by BIRAC-DBT (Rs. 58,35,830) (Principal Investigator).
- **Industry projects: (02)**
 - **Completed:** Completed: “Comparative Evaluation of MCC obtained from bagasse” Godavari Bio-refineries Ltd. (Rs. 1 lakh) as co-investigator
 - **Completed:** “Accelerated stability studies of MCC obtained from bagasse” Godavari Bio-refineries Ltd. (Rs. 1 lakh) as co-investigator
- **Conferences/Workshops/Seminars attended- 75**

Academic activities

- He has guided 75 M. Pharm students for their research projects & 8 candidates are registered under his supervision for PhD.

Awards & Achievements

- ✓ Received “Research Incentive Award 2023” from DMIHER (DU), Wardha.
- ✓ Received "Appreciation Award for 2017-18” by SPPSPTM, NMIMS Mumbai for contribution to approval, accreditation and ranking of the SPPSPTM and NMIMS.
- ✓ Best Paper Award (coauthor) in Pharmaceutical Education category at 69th Indian Pharmaceutical Congress, Chandigarh December, 2017

- ✓ IPEC-Americas Foundation prize for Best Manuscript in the Journal of Excipients and Food Chemicals for 2017
- ✓ Received 'Outstanding Contribution Award' by Association of Pharmaceutical Teachers in India, 2015
- ✓ Received "Best APTI State Branch Award" during APTICON-2014 (Vice President, Maharashtra State)
- ✓ Best Paper Award (coauthor) in Regulatory Affairs category at APTICON-2014 at Pune
- ✓ Outstanding Teaching Award' 2014 by NMIMS Shirpur Campus.
- ✓ Outstanding Teaching Award' 2013 by NMIMS Shirpur Campus.
- ✓ Received International Travel Grant from DST to attend the 9th World Biomaterial Congress, at Chengdu, China 2012.
- ✓ Received International Travel Grant from SVKM'S NMIMS to attend the conference at Kaula Lumpur, Malaysia, 2011
- ✓ Received Best Paper Award in Regulatory Affairs category at 63rd Indian Pharmaceutical Congress, Bengaluru, 2011
- ✓ Received Best Faculty Award 2009-10 SPTM NMIMS University.
- ✓ Received Best Poster Award in Pharma education category at APTICON-2010 at Hyderabad
- ✓ Received Best Research Poster Award at AICTE sponsored National Seminar on CTNDDS at Shirpur, 2008.
- ✓ Received "Suresh Kare Indoco Foundation Fellowship" for M. Pharm. Research.
- ✓ Received Best Student Award 2000 by IPER Wardha
- ✓ Received Most Dynamic Personality Award 1999 by IPER Wardha
- ✓ Received Gold Medal for scoring highest marks in D. Pharm.
- ✓ Received Silver Medal in B. Pharm.

Professional Memberships

- National Associate Secretary, Association for Pharmaceutical Teachers of India, Maharashtra State for the term 2023-2018.
- Executive Committee Member, Controlled Release Society-Indian Chapter for the term 2019-2021 and 2021-2023

- Vice President, Association for Pharmaceutical Teachers of India, Maharashtra State for the term 2013-2016.
- Society for Biomaterials & artificial Organs (India), Life Member
- Association for Pharmaceutical Teachers of India, Life Member
- Indian Pharmaceutical Association, Life Member
- UDPS Nagpur alumni Association, UDPS, RTM Nagpur University, Nagpur, Life Member
- IPER Alumni Association, IPER Wardha, Life Member and served as President (2015-2021).

Recent Publications

- Telange DR, Kamdi S, Hemke AT, Pethe AM, Lambole VB, Telrandhe UB, Preparation, Characterization, and Hepatoprotective Activity Evaluation of Quercetin-loaded Pluronic® F127/Chitosan-Myristic Acid Mixed Micelles, Current Drug Delivery, March 2024 IF- 2.4 <https://doi.org/10.2174/0115672018278618240304054731>
- Pankaj Dangre, Kajal Sonawane, Kailas Moravkar, Anil Pethe, Shailesh Chalikwar, Vivek Borse, “Design of layer-by-layer lipid-polymer hybrid nanoparticles to elicit oral bioavailability of buspirone hydrochloride” International Journal of Polymeric Materials and Polymeric Biomaterials, 2023: 1-11, IF-3.2 <https://doi.org/10.1080/00914037.2023.2255720>
- Anuja Harugade, Atul P Sherje, Anil Pethe, “Chitosan: A review on properties, biological activities and recent progress in biomedical applications”, Reactive and Functional Polymers, 2023: 191, 105634. IF- 4.966. <https://doi.org/10.1016/j.reactfunctpolym.2023.105634>
- Anil M Pethe, Mahendra Gunde, Darshan Telange, Awdhut Pimpale, “Quality by Design Driven Development of Topical Gel Encompassing Papain and Bromelain to Elicit Wound Healing” Indian Journal of Pharmaceutical Education & Research, 2023: 57 (2), 1-11 IF-0.686
- VS Shete, DR Telange, NM Mahajan, AM Pethe, DK Mahapatra, “Development of phospholipon® 90H complex nanocarrier with enhanced oral bioavailability and anti-inflammatory potential of genistein” Drug Delivery 2023, 30 (1), 2162158, IF -6.819

- P Phutane, D Telange, S Agrawal, M Gunde, K Kotkar, A Pethe “Biofunctionalization and Applications of Polymeric Nanofibers in Tissue Engineering and Regenerative Medicine” *Polymers* , 2023, 15 (5), 1202. IF-4.967
- Shweta Mishra, Prashant Kharkar , Bala Prabhakar, Anil Pethe "Banana Peel Waste: An Emerging Cellulosic Material to Extract Nano Crystalline Cellulose" *ACS Omega*" 2023 IF 4.132
- Mahendra Gunde Pankaj Dangre, Anil Pethe, Harshada Boarase “Deep eutectic solvents: fundamental aspect, characterizations, and applications” *Recent Advances in Drug Delivery and Formulation*, 1, 2023 DOI: 10.2174/2667387817666221228141746
- Manjusha Bhange, Darshan Telange, Anil Pethe, “Design and Development of Phytosomal Soft Nanoparticles for Liver Targetting” *International Journal of Applied Pharmaceutics*, 14(1), 2023
- Pharmacognostic and phytochemical studies on leaves of *Launaea sarmentosa* (Willd.) Schultz-Bip. Ex Kuntze, *International Journal of Ayurvedic Medicine* 2022: 13(3):759-763
- Prashant L Pingale, Darshan R Telange, Ravindra R Pandharinath, Anil M Pethe, Shirish P Jain, "Calcium Ion-Sodium Alginate-Piperine Based Microspheres: Evidence of Enhanced Encapsulation Efficiency, Bio-adhesion, Controlled Delivery and Oral Bioavailability of Isoniazid' " 2022 *AAPS PharmaScitech* 23(4):99. IF 3.246
- Darshan R. Telange, Shirish P. Jain, Prashant S. Kharkar, Nilesh R. Rarokar, Anil M. Pethe, Use of combined Nano carrier system based on chitosan nanoparticles and phospholipids complex for improved delivery of ferulic acid. *International Journal of Biological Macromolecules*, 171, 2021, 288-307 (IF: 5.162)
- DR Telange, SP Jain, AM Pethe, PS Kharkar, Egg White Protein Carrier-Assisted Development of Solid Dispersion for Improved Aqueous Solubility and Permeability of Poorly Water Soluble Hydrochlorothiazide, *AAPS PharmSciTech* 2021; 22 (3), 1-15 (IF 3.234)
- Darshan R. Telange, Nazish K. Sohail, Atul T. Hemke, Prashant S. Kharkar & Anil M. Pethe, Phospholipid complex-loaded self-assembled phytosomal soft nanoparticles: evidence of enhanced solubility, dissolution rate, ex vivo permeability, oral bioavailability, and antioxidant potential of mangiferin, 2021,1-28, *Drug Delivery and Translational Research* (IF-2.980)