



Name : Dr. ANIL M. PETHE
Designation : Professor & Principal
Qualification : M. Pharm., Ph.D., MBA. (Pursuing)
Specialization : Pharmaceutics
E mail : anil.pethe@dmimsu.edu.in
Phone : +91-8879212188
Experience : 19 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

- ✓  <https://scholar.google.co.in/citations?user=Mb-HiZQAAAAJ&hl=en>
- ✓  https://www.researchgate.net/profile/Anil_Pethe2

✓ <https://www.scopus.com/authid/detail.uri?authorId=36675579500>

- Publications: 42 (International: 36 , National-06)
- Books: 02
- Book Chapters: 10
- Patents: 08 (3 Published, 5 Filed)
- Presentations: 50 (International: 08 , National:42)
- Government funded projects: 02
 - Ongoing: “Biodegradable face mask to combat COVID-19”; Sanctioned from DBT-BIRAC; Amount-Rs. 19 Lakhs
- Industry projects
 - Completed: “Comparative Evaluation of MCC obtained from bagasse” Godavari Bio-refineries Ltd. (Rs. 1 lakh), “Accelerated stability studies of MCC obtained from bagasse” Godavari Bio-refineries Ltd. (Rs. 1 lakh) as co-investigator

Conferences/Workshops/Seminars attended- 50

Academic activities

He has guided 75 M. Pharm students for their research projects & one candidate is registered under his supervision for PhD.

Awards

- ✓ Received "Appreciation Award for 2017-18" by SPPSPTM, NMIMS Mumbai on 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.

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- ✓ 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 KaulaLumpur, 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

- ✓ 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

- ✓ DR Telange, NK Sohail, AT Hemke, PS Kharkar, AM 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”, *Drug Delivery and Translational Research*, 2021:11 (3), 1056-1083 (IF-4.617)

- ✓ Darshan R. Telange, Shirish P. Jain, Anil M. Pethe, Prashant S. Kharkar, Nilesh R. Rarokar, “Use of combined nanocarrier system based on chitosan nanoparticles and phospholipids complex for improved delivery of ferulic acid”, *International Journal of Biological Macromolecules*, (IF-6.953) 2021:17, 288-307, <https://doi.org/10.1016/j.ijbiomac.2020.12.211>.
- ✓ Telange, D.R., Jain, S.P., Pethe, A.M. et al. “Egg White Protein Carrier-Assisted Development of Solid Dispersion for Improved Aqueous Solubility and Permeability of Poorly Water Soluble Hydrochlorothiazide”. *AAPS PharmSciTech* 2021:22, 94 (IF-3.246) <https://doi.org/10.1208/s12249-021-01967-2>
- ✓ Telange, D.R., Ukey, S.A., Hemke, A.T., Pethe, A.M. et al. “LIPOID SPC-3-Based Coprecipitates for the Enhancement of Aqueous Solubility and Permeability of Ranolazine”. *Journal of Pharmaceutical Innovation* (2020). (IF-2.750) <https://doi.org/10.1007/s12247-020-09477-7>
- ✓ S Gujar, D. R Telange, A.M. Pethe, “Supramolecular complexes of phospholipids and β -cyclodextrin with bioactive β -carotene: a comparative physico-chemical and functional evaluation”, *Indian J Pharm Education and Research*, 2020 (IF-0.425)
- ✓ Saloni Jhan & Anil Pethe, "Double-loaded liposomes encapsulating lycopene beta-cyclodextrin complexes: Preparation, optimization and evaluation" *Journal of liposome Research* (IF-2.576) <https://doi.org/10.1080/08982104.2019.1593450>
- ✓ Anil Pethe and Khushwant Yadav, "Polymers, Responsiveness and Cancer therapy" *Artificial Cells, Nanomedicine, and Biotechnology*, 47:1, (2019) 395-405. (IF 3.434)
- ✓ Darshan R. Telange, Shivendra B. Nirgulkar , Milind J. Umekar , Arun T. Patil , Anil M. Pethe , Nikhil R. Bali "Umbelliferone - phospholipids complex – loaded matrix film formulation: A dual approach for enhanced transdermal permeation of umbelliferone" *European Journal of Pharmaceutical Sciences*, Volume 131,1 April2019, Pages 23-38 (IF-4.384) <https://doi.org/10.1016/j.ejps.2019.02.006>
- ✓ Shweta Mishra, Prashant Kharkar and Anil Pethe, ‘Biomass and Waste Materials as Potential Sources of Nanocrystalline Cellulose: Comparative Review of Preparation Methods (2016 - Till date)’ *Carbohydrate Polymers*, 207, (2019), 418-427. (IF-7.182) DOI:10.1016/j.carbpol.2018.12.004

- ✓ Darshan R Telange, Arun T Patil, Anil M Pethe, Harshal A Fegade, Anand Sridhar, Vivek S Dave, "Formulation and characterization of an apigenin-phospholipid phytosome (APLC) for improved solubility, in vivo bioavailability, and antioxidant potential" *European Journal of Pharmaceutical Sciences*, 2017: 108, 36-49 (IF-4.384) <https://doi.org/10.1016/j.ejps.2016.12.009>
- ✓ Darshan R Telange, Arun T Patil, Anil M Pethe, Amol Tatode, Vivek S Dave, "Kaempferol-Phospholipid Complex: Formulation, and Evaluation of Improved Solubility, In Vivo Bioavailability, and Antioxidant Potential of Kaempferol" *Journal of Excipients and Food Chemicals*. 2016:7(4), 2016-89 (IF-1.03)
- ✓ Anil M. Pethe*, Riddhi B. Desai, "Formulation, Optimization & Evaluation of mouth dissolving film of Nifedipine by using design of experiment." *Asian Journal of Pharmaceutical Sciences*, 2016: 11(1), 74–76 (IF 6.598)