**Pinal Chaudhari**

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**Date of Birth:** 2nd July 1992

**Academic Qualifications**

Ph.D., Manipal Academy of Higher Education, Manipal 2018 – Ongoing

M.Pharm, Institute of Chemical Technology, Mumbai 2014 – 2016

B.Pharm, BK Mody Government Pharmacy College, Gujarat 2010 – 2014

Class XII, Jawahar Navodaya Vidhayalaya, Surat 2010

Class X, Jawahar Navodaya Vidhayalaya, Surat 2008

**Certificate Courses**

* Diabetic Eye Disease: Strengthening Services – London School of Hygiene and Tropical Medicine, FutureLearn, 2019.
* Biostatistics, Epidemiology and Research Methodology – Manipal Academy of Higher Education, Manipal, 2019.

**Competitive Exam**

* Graduate Pharmacy Aptitude Test (GPAT), All India Rank – 69th, 2014

**Work Experience**

* New Product Development, Yasham P2D LifeSciences, Mumbai, 2016 – 2018

**Patent**

* Composition of dissolvable microneedle patch containing water soluble active therapeutic agent and their derivatives with extremely poor or negligible permeability for skin treatment. ***Indian Patent***, Application Number: 201821017774

**Awards/ Fellowships/ Scholarships**

**Awards**

* South Zone – 1st Runner-Up Award, Dissolution Research Presentation India (DRPI) organized by the Society of Pharmaceutical Dissolution Science (SPDS) in association with the American Association of Pharmaceutical Scientists (AAPS), and the Association of Pharmaceutical Teachers of India (APTI), 2021.
* Special Appreciation Award – National Level Research Competition Solution Challenge on COVID-19 Herbal Drug Research, organized by Dr. D.Y. Patil Institute of Pharmaceutical Sciences and Research (DYPIPSR), Pune; and Phytosynergy, Pune; 2021.
* Travel Grant Award – Society for the Study of Xenobiotics (SSX), India for attending the 4th Annual Conference of SSX India, Bengaluru, 2019.
* Dr. N. Udupa Travel Grant - Manipal College of Pharmaceutical Scientists (MCOPS), Manipal Academy of Higher Education, Manipal, 2019.

**Fellowships/ Scholarships**

* Senior and Junior Research Fellowship, Department of Biotechnology (DBT), Government of India, 2018 – Ongoing.
* GPAT Scholarship for Master’s degree, All India Council for Technical Education (AICTE), Government of India, 2014 – 2016

**Publications**

**Featured Cover Articles**

* Ghate VM, **Chaudhari P**, Maxwell A, Lewis SA, Pahal S, Vemula P, Rethinking Exosomes: From Cell-to-Cell Courier Services to Individualized Medicines. AAPS Magazine, June 2020
* Ghate V, **Chaudhari P**, Lewis SA, Vishalakshi B. Polysaccharide hydrogels in microneedle arrays: Promise for the future? AAPS Newsmagazine. 2019; 14-18.

**Journal Publications**

* **Chaudhari P**, Ghate VM, Lewis SA. Next generation contact lens: Towards Bioresponsive drug delivery and smart technologies in ocular therapeutics. *Eur J Pharm Biopharm*.2021; 161; 80-99
* Dsouza L, **Chaudhari P**, Brahmam B, Lewis SA, Dermaroller mediated transdermal delivery of tizanidine invasomes for the management of skeletal spasms. *Eur J Pharm Sci*. 2021; 165; 105920
* Das N, Kudarha R, Garkal A, Ghate V, **Chaudhari P**, Lewis SA et.al. Molybdenum-based hetero-nanocomposites for cancer therapy, diagnosis and biosensing application: Current advancement and future breakthroughs. *J. control. Release.* 2021; 330; 257-283
* **Chaudhari P**, Ghate VM, Lewis SA. Supramolecular Cyclodextrin Complex: Diversity, Safety, and Applications in Ocular Therapeutics. *Exp eye Res*. 2019; 189; 107829
* Ghate VM, **Chaudhari P**, Lewis SA. Physiologically Based Pharmacokinetic (PBPK) Modelling for In Vitro-In Vivo Extrapolation: Emphasis on the Use of Dissolution Data. *Dissolution Technol*. 2019; 26(3):18-27.

**Research Projects**

**Ongoing Projects**

* Cyclodextrin based supramolecular drug complexes for ocular drug delivery
* Drug eluting contact lenses for ocular surface complications
* In situ gels for ocular applications

**Completed Projects**

* Cyclosporine/Cyclodextrin-based formulations for ocular applications
* *In situ* lipomer (polymer-lipid hybrid nanoparticle) for veterinary infection
* Dissolvable microneedle patch for increasing the skin permeation of poorly soluble drugs
* Transdermal delivery systems for rheumatoid arthritis

**Conferences/ Workshops**

* Poster Presentation, Annual Conference of the Society for the Study of Xenobiotics (SSX), India – Online, 2021.
* Presented poster at SSX INDIA, 2O19 Conference, Bangalore, 2019
* AICTE sponsored short term training programme - Concept and Implementation of quality by design for pharmaceuticals, held at Manipal Academy of Higher Education, Manipal, 2019
* Pharmaceutical modelling and simulation (PuMas) software pre-conference workshop held during SSX INDIA 2019 Conference, Bangalore, 2019
* Computational Technique in Formulation Development Workshop held at Schrodinger, Bangalore, 2019
* Springer Nature Advanced Author Workshop held at Manipal Academy of Higher Education, Manipal, 2019
* Research and Innovation Workshop held at Manipal Academy of Higher Education, Manipal, 2019
* HPLC-Column Chemistries Workshop organised by Waters and Department of Biophysics, Manipal Academy of Higher Education, Manipal, 2019
* Ethnomedicine: An Update 2019 Workshop held at Manipal Academy of Higher Education, Manipal, 2019
* Using ‘Mendeley’ in Your Research Workflow Workshop organised by KMC Health Science Library, MAHE, Manipal, 2019

**Webinars**

* The GastroPlus® - Additional Dosage Routes Seminar Series organized by Gastroplus, 2020
* Microarray Patches for High-dose Drug Delivery: Targeting Global Healthcare Challenges, 2020