



Name : Ms. Prasanna K. Phutane
Designation : DST WISE Fellow
Qualification : M. Pharm
Specialization : Pharmaceutics
E mail : prasanna.pharmacy@dmims.edu.in
Phone : 8329925403
Experience : 3 years 7 months



Worked in Formulation Development (R&D) departments in Sandoz, Clearsynth Labs. and Cipla Ltd. Handled projects for Regulated market such as US, EU, Japan and ROW market. Technical competencies include preformulation studies and process development of solid dosage form (Tablets, Capsules, Granules); development of project strategy and non-infringing prototype product development of IR, SR tablets, capsules and granules after patent analysis;_monitoring of scale up batches during technology transfer to the production sites;documentation and review of Product Development and Process Transfer related Protocols and Reports; development of the intended dosage form with respect to drug chemistry, stability, compatibility under regulatory norms to ensure timely completion of product development targets within pre-designated time; preparation of process characterization protocol, conduct experiments and prepare process characterization report.

Executed key role in formulation, development and optimization of oral solids dosage forms using, Nano-milling technique and Roller-Compaction technique using QbD principles.

Research areas:

- Microspheres
- Polymeric micelles
- Immediate release and sustained release tablets
- Coating of nano-milled drug's colloidal dispersion over sugar pellets
- Photothermal therapy

Research

- ✓  : <https://scholar.google.com/citations?user=DvtvGawAAAAJ&hl=en&authuser=1>
- ✓  : <https://www.researchgate.net/profile/Prasanna-Phutane>
- ✓ ORCID: <https://orcid.org/my-orcid?orcid=0000-0002-2763-6135>
- ✓ <https://vidwan.inflibnet.ac.in/profile/283740>

- Publications – 7 (International - 7, National - 0)
- Books- 00
- Book Chapters- 00
- Patents- 00
- Copyrights- 02
- Presentations- 00
- Government funded projects - 01
- Industry projects - 00

Conferences/Workshops/Seminars attended - 2

Academic activities - Nil

Awards & Achievements - Nil

Professional Memberships – Member of APIT (Association of Pharmaceutical Teachers of India)

Publications

1. Prasanna Phutane, Darshan Telange, Surendra Agrawal, Mahendra Gunde, Kunal Kotkar, Anil Pethe, 'Biofunctionalization and Applications of Polymeric Nanofibers in Tissue Engineering and Regenerative Medicine', *Polymers*, Volume 15, Issue 5, 2023, pages 1-38 (IF – 4.9).
2. Uttam Kedar, Prasanna Phutane, Supriya Shidhaye and Vilasrao Kadam, 'Advances in polymeric micelles for drug delivery and tumor targeting', *Nanomedicine: Nanotechnology, Biology and Medicine*, Volume 6, Issue 6, 2010, pages 714-729, ISSN: 1549-9642, (IF – 6.458)
3. Prasanna Phutane, Vishwanath Lotlikar, Amol Ghule, Sagar Sutar, Supriya Shidhaye, Vilasrao Kadam, 'In vitro evaluation of novel sustained release microspheres of glipizide prepared by the emulsion solvent diffusion-evaporation method', *Journal of Young Pharmacist*, Volume 2, Issue 1, 2010, pages 35-41, ISSN (Online): 0975-1505, (IF – 0.689).
4. Supriya Shidhaye, Vishwanath Lotlikar, Amol Ghule, Prasanna Phutane, Vilasrao Kadam, 'Pulsatile delivery systems: An approach for chronotherapeutic diseases', *Systematic Reviews in Pharmacy*, Volume 1, Issue 1, 2010, pages 55-61, ISSN 0975-8453, (IF – 5.278).

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3. Copyright of illustration of “Photothermal Therapy Using Biotin Functionalized Polypyrrole Nanoparticles For Treatment of Breast Cancer” with Registration number: A-149678/2023, granted on 12th December 2023.