







**Name :** Dr. Pankaj V. Dangre  
**Designation:** Associate Professor & Vice Dean Research  
**Qualification :** M. Pharm., Ph.D.  
**Specialization:** Pharmaceutics  
**E mail :** pankaj.pharmacy@dmimsu.edu.in  
**Phone :** +91-9960160479  
**Experience:** 10 years

Worked as Assistant Professor, 1<sup>st</sup> December 2011 to 30<sup>th</sup> June 2017 at Department of Pharmaceutics, Kamla Nehru College of Pharmacy, Butibori, Nagpur- 441108, (MS) India.  
Worked as Assistant Professor, 1<sup>st</sup> July 2017 to 14<sup>th</sup> December 2021 at Department of Pharmaceutics, R.C. Patel Institute of Pharmaceutical Education and Research, Shirpur, Dhule - 425405, (MS), India

**Research areas:**

- Self-emulsifying drug delivery system (SEDDS)
- Solubility enhancement techniques
- Quality by Design (QbD)
- Polyelectrolyte complex, micro-composite beads
- Green solvents in drug delivery
- Protein and peptides delivery
- Nutraceutical delivery

## Research

- ✓  <https://scholar.google.co.in/citations?user=fL3WjZwAAAAJ&hl=en>
- ✓  <https://www.researchgate.net/profile/Pankaj-Dangre>
- ✓  <https://orcid.org/0000-0003-4750-9384>
- ✓  <https://vidwan.inflibnet.ac.in/profile/256576>
- ✓ <https://www.scopus.com/authid/detail.uri?authorId=55626516200>

- Publications: 25 (International: 11, National-14)
- Books: 03
- Book Chapters: 03
- Patents: Nil
- Copyrights -00
- Presentations: 12 (International: 02, National:10)
- Government funded projects: Nil
- Industry projects: Nil

## Conferences/Workshops/Seminars attended- 25

### Academic activities

He has guided 15 M. Pharm students for their research projects & 4 under guidance.

### Awards & Achievements

- ✓ Secured 2<sup>nd</sup> position in Oral Presentation at the AICTE sponsored National E-conference on “Translational research for Nanomedicine”, on 22 & 23<sup>rd</sup> April **2022** in association with Indian Pharmacy Graduates (IPG) organized by Indore Institute of Pharmacy, Indore, MP, India.
- ✓ Secured 2<sup>nd</sup> position in AICTE sponsored Two Days National E-Conference entitled with on “Herbal Era-Role of Indian Herbal Medicine for Combating Covid-19 Scientific and Medical Aspects”, 27<sup>th</sup> to 28<sup>th</sup> January **2022** organized by Oriental College of Pharmacy, Bhopal, MP, India.
- ✓ Won 3<sup>rd</sup> position in innovative idea challenge in 2<sup>nd</sup> Student Research Congress 2021 organized by SVKM’s Dr. Bhanuben Nanavati College of Pharmacy, Vile Parle (W), Mumbai, India, Co-hosted by University of Mumbai, held on 28-30 September, **2021**.

- ✓ Received “**University Travel Grant**” for faculty from KBC North Maharashtra University, Jalgaon to attend 15<sup>th</sup> International Hydrocolloids Conference (Elsevier), Melbourne, Australia (2-5 March **2020**).
- ✓ Certificate of participation by Association of Indian Universities, New Delhi and Department of Students Development University of Mumbai for “**Anveshan 2019-20**” **West Zone Inter-University Research Convention** organized by University of Mumbai on February 19-20, 2020, for research project guidance in basic science category.
- ✓ Certificate of participation by University of Mumbai for research project guidance in pure science category and PG level at the **14<sup>th</sup> Maharashtra State Inter-University Avishkar Research Convection** 2019-20 organized by University of Mumbai on January 28-31, **2020**.
- ✓ Received ‘**Young Scientist**’ International travel grant from DST-SERB to participate in International Hydrocolloids Conference, at Melbourne, Australia (2-5 March 2020).
- ✓ Outstanding reviewer in Journal of Biomedicine and Pharmacotherapy (Elsevier), awarded in January-**2017**.
- ✓ Scored in **GATE 2009** (IIT Roorkee) in Pharmaceutical Science with **96.97%**.
- ✓ Stand second highest in AUPPC (ASSO-CET) Examination 2009 with 71/100.
- ✓ Won 1<sup>st</sup> prize at **Avishkar 2010 Zonal Level Research Project Competition**, University of Pune BCUD, held at PDEA’s S.G.R.S College of Pharmacy, Saswad.

### **Professional Memberships**

- ✓ Member, Maharashtra State Pharmacy Council (MSPC), Reg. No.**79275**.
- ✓ Life Member, Association of Pharmacy Teachers of India (APTI), (**MA/LM- 2410**)

### **Recent Publications**

- ✓ Dangre PV, Gurram NJ, Surana SJ, Chalikwar SS. Development and optimization of Vitamin D3 solid self-microemulsifying drug delivery system: Investigation of flowability and shelf life. AAPS PharmSciTech. 2022; 23 (4): 1-15 (**IF-3.246**) (**Springer Nature**).
- ✓ Harshada P. Borase, Maheshkumar R. Borkar, Kaushalendra K. Chaturvedi, Debarshi Kar Mahapatra, Shailesh S. Chalikwar, Pankaj V. Dangre\*. Design and evaluation of natural deep eutectic solvents system for chrysin to elicit its solubility, stability, and bioactivity. J. Mol. Liq. 2022; 345: 118205 (**IF-6.165**) (**Elsevier**).
- ✓ Dangre PV, Tattu AD, Borikar SP, Surana SJ, Chalikwar SS. Development and statistical optimization of alginate-Neusilin US2 micro-composite beads to elicit gastric stability

and sustained action of hesperidin. *Int. J. Biol. Macromol.*2021:171:514-526 **(IF-6.953)** **(Elsevier)**.

- ✓ Dangre PV, Dusad PP, Singh AD, Surana SJ, Chaturvedi KK, Chalikwar SS. Fabrication of hesperidin self-microemulsifying nutraceutical delivery system embedded in sodium alginate beads to elicit gastric stability. *Polym. Bull.* 2021: 1-22 **(IF-2.870)** **(Springer Nature)**.
- ✓ Chalikwar SS, Goyal SN, Surana SJ, Chaturvedi KK, Dangre PV\*. Solid self-microemulsifying nutraceutical delivery system for hesperidin using quality by design: assessment of biopharmaceutical attributes and shelf life. *J. Microencapsul.*2021:38(1): 61-79 **(IF-3.142)** **(Taylor & Francis)**.
- ✓ Dangre P\*, Dudhkohar S, Chalikwar S. Development of Alginate-Neusilin US2 (Magnesium alumino-metasilicate) micro-composite hydrogel beads for oral sustained release of cilnidipine: a statistical optimization. *Polym. Plast. Technol. Mater.*2020:59 (2): 169-183 **(IF-3.267)** **(Taylor & Francis)**.
- ✓ Umaredkar AA, Dangre PV\*, Mahapatra DK, Dhabarde DM. Fabrication of chitosan-alginate polyelectrolyte complexed hydrogel for controlled release of cilnidipine: a statistical design approach. *Mater. Tech.*2020:35(11-12): 697-707 **(IF- 3.846)** **(Taylor & Francis)**.
- ✓ Dangre PV, Phad RD, Surana SJ, Chalikwar SS. Quality by Design (QbD) assisted fabrication of fast dissolving buccal film for clonidine hydrochloride: Exploring the quality attributes. *Adv. Polym. Tech.*2019: 10: 1-13 **(IF- 2.389)** **(Wiley & Hindawi)**.
- ✓ Dangre PV\*, Fating VD, Wakodkar SB, Godbole MD. Development of stevioside pellets for regulating the blood glucose level in diabetes: In vivo- In vitro characterization. *J. Drug Deliv. Therapeutics* 2017:7(4): 59-65.
- ✓ Dangre PV\*, Sormare VB, Godbole MD. Improvement in dissolution of bosentan monohydrate by solid dispersions using spray-drying technique. *Open Pharm. Sci. J.*2017: 4(1):23-31. (Bentham).
- ✓ Patil MD, Mahapatra DK, Dangre PV\*. Formulation and in vitro evaluation of once-daily sustained release matrix tablet of nifedipine using rate retardant polymers. *Inventi Rapid: Pharm Tech.* 2016: 4: 190-196.
- ✓ Dangre PV\*, Gilhotra RM, Dhole SN. Formulation and development of solid self-emulsifying drug delivery system (S-SMEDDS) containing cholrthalidone for improvement of dissolution. *J. Pharm. Investig.*2016: 46(7): 633-644 **(Springer Nature)**.

- ✓ Dangre PV\*, Godbole MD, Ingale PV, Mahapatra DK. Improved dissolution and bioavailability of eprosartan mesylate formulated as solid dispersions using conventional methods. *Indian J. Pharm. Edu. Res.* 2016; 50(3s): S209-S217 **(IF-0.686)**.
- ✓ Dangre PV\*, Gilhotra RM, Dhole SN. Formulation and statistical optimization of self-microemulsifying drug delivery system of eprosartan mesylate for improvement of oral bioavailability. *Drug Deliv. Transl. Res.* 2016;6(5): 610-621 **(IF-4.617) (Springer Nature)**.
- ✓ Shau PA, Dangre PV\*, Potnis VV. Formulation of thermo sensitive otic gel for topical management of otitis media. *Indian J. Pharm. Sci.* 2015; 77(6):764-770 **(IF-0.975)**.
- ✓ Dangre P\*, Dhole S. Development and validation of RP-HPLC method for determination of eprosartan mesylate in rat plasma: Application to preclinical pharmacokinetic study. *Pharm. Methods* 2015;6(2):100-104.
- ✓ P Dangre\*, V Sawale, S Meshram, S Gunde. Development and validation of RP-HPLC method for the simultaneous estimation of eprosartan mesylate and chlorthalidone in tablet dosage form. *Int. J. Pharmtech. Res.* 2015; 8(2):163-168.
- ✓ Sawale V, Dangre P, Dhabarde D. Development and validation of RP-HPLC method for the simultaneous estimation of olmesartan medoxamil and chlorthalidone in tablet dosage form. *Int. J. Pharm. Pharm. Sci.* 2015; 7(5): 266-269.
- ✓ Sapate KA, Dangre PV\*, Godbole MD. Formulation and optimization of multiparticulate lafutidine loaded gastroretentive delivery system using 32 factorial design. *Indian drug* 2014; 51(10): 43-54.
- ✓ Godbole MD, There PW, Dangre PV. Formulation and optimization of prolonged release nasal in situ gel for the treatment of migrane. *Indo Am. J. Pharm. Res.* 2014; 4(2): 1320-1332.
- ✓ Dangre P\*, Shirolkar S, Badhe R. Isolation, purification and partial characterization of urokinase from cow urine of Indian origin (*Bos Indicus*). *Int. Res. J. Pharm.* 2014; 5(4): 340-342.
- ✓ Dangre PV\*, Kattakar K R, Shirolkar S V. Development and evaluation of in situ gelling otic formulation of chloramphenicol using poloxamer 407. *Indo Am. J. Pharm. Res.* 2013; 3(10):8001-8007.
- ✓ Dangre P\*, Badhe R, Shirolkar S, Dhole S. Formulation, evaluation and optimization of fungal alpha amylase loaded alginate bead. *J. Adv. Pharm. Res.* 2013; 4(3): 74-85.
- ✓ Shahu PA, Potnis VV, Dangre PV, Thote LT. Development and validation of simultaneous spectrophotometric estimation of ciprofloxacin hydrochloride and

dexamethasone sodium phosphate in bulk and formulation. *Indo Am. J. Pharm. Res.* 2013; 3(9):7103-7113.

- ✓ Gunde MC, Meshram SS, Dangre PV, Amnerkar ND. Wound healing properties of methanolic extract of seeds of *mucuna pruriens*. *Int. J. Pharmacog. Phytochem. Res.* 2013; 5(1): 57-59.