



**Name** : Dr. Darshan R Telange

**Designation** : Associate Professor

**Qualification** : M. Pharm., Ph.D.

**Specialization** : Quality Assurance

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**Experience** : 12 Years

Presently working as Associate Professor at Datta Meghe College of Pharmacy, DMIHER (DU), Wardha since Dec 2021 to till now. Worked as Assistant Professor and Academic Research Coordinator at Rajarshi Shahu College of Pharmacy, Buldana (Jan 2019 – Dec 2021); Also served as Assistant Professor at Smt. Kishoritai Bhoyar College of Pharmacy since (Aug 2015 – Jan 2019); Worked as a Ph.D. Research Scholar at University Department of Pharmaceutical Sciences, RTMNU, Nagpur (Jan 2013 – July 2015); Moreover, He has also worked as Assistant Professor at Kamla Nehru College of Pharmacy (Dec 2011 – Feb 2013); He also worked as Assistant Professor at School of Pharmacy & Technology Management, Shirpur campus (July 2010 – July 2011); He also worked as IPQA officer at Unijules Life Sciences (Injectable Division) since (June 2009 – June 2010).

**Research areas:**

- Phytosomal formulations
- Computational pharmaceutics
- Nano micelles as targeted drug delivery system
- Solid dispersion (binary and tertiary)
- Solid-state characterization

## Research

✓  <https://scholar.google.com/citations?hl=en&user=EeiugIEAAAAAJ>

✓  <https://www.researchgate.net/profile/Darshan-Telange>

✓  <https://orcid.org/0000-0003-3016-8237>

✓  <https://vidwan.inflibnet.ac.in/profile/283820>

- Publications: 42
- Books: 02
- Book Chapters: 03
- Patents: 05 (01 Published, 04 Grated)
- Copyrights – 09
- Presentations: 19 (International: 12, National: 07)
- Private funded projects: 02
  - **Completed:** Design and development of herbal formulations for the treatment of acne, Total amount: 1, 85,000/- (Principal Investigator).
  - **Completed:** Enhancement of ocular permeability and bioavailability of flavonoids via phytosomes approach (Principal Investigator).
- Industry projects
  - **Completed:** Exploring flavonoid – phospholipids complex for improved solubility, bioavailability, and anti-Alzheimer potential of flavonoids, Central India Pharmaceuticals, Nagpur, total amount: 45,000/- (Principal Investigator).
- **Conferences/Workshops/Seminars attended- 15**

## Academic activities

- He has guided 27 M. Pharm students (Pharmaceutics and Quality Assurance) in their research projects

## Awards & Achievements

- Received “**Research Incentive Award 2023**” for the patent granted on “co-processed excipient composition” from DMIHER (DU), Wardha.
- Received “**Best Research Paper Award 2021**” for the research paper published in **Drug Delivery and Translational Research (IF: 4.61), Springer.**
- Received “**Young Researcher Award 2020**” from Institute of Scholar Academy, Bangalore, 2021.
- Received “**Best Oral Presentation Award**” for PG research work in SRDHS international conference held at Dadasaheb Balpande College of Pharmacy, 13<sup>th</sup> – 14<sup>th</sup> Feb. 2020.
- Received “**Best Manuscript Award**” for Ph.D. published research paper in “Journal of Excipients and Food Chemicals, 2018.
- Received “**Doctoral fellowship**” from Nagpur University and Suresh Kare Indoco Foundation Fellowship for Ph.D. research work, 2013 – 2015.
- Received “**2<sup>nd</sup> prize**” for the presented poster, National Pharmaceutical Conference, SPTM, NMiMS Shirpur Campus, Shirpur, Dhule, India, 2014.
- “**Certificate for Appreciation in Academia and Extracurricular activities**” by SVKM’s NMiMS, School of Pharmacy & Technology Management, Shirpur, Dhule, India, 2011.
- Received “**Research fellowship**” from All India Council for Technical Education (AICTE), New Delhi, India for M.Pharm. 2007 – 2009.
- **Qualified GATE – Pharmacy 2007**, with 87 percentiles

### **Professional Memberships**

- Association of Pharmaceutical Teachers of India (APTI), since 2010, (MH/LM/1456).
- Indian Pharmaceutical Association (IPA), since 2011, (MAH/JAL/OM/0014).

### **Recent Publications**

- **Telange D. R., Saurabh G., Bobade P., Prabhu R., Lokwani D., Shinde R.**, “Extension of impurity profiling on eltrombopag olamine to in-silico predictions: An effort to exploit correlated forced degradation products and known drug related substances in drug delivery” on **Journal of Chromatography B (Impact factor: 2.8, Scopus Q2, Accepted).**
- **Telange D. R., Bhange M.**, “Unlocking the potential of phyto nanotherapeutics in

hepatocellular carcinoma” on **Journal of Hepatocellular Carcinoma (Impact factor: 4.2, Scopus Q2)**.

- **Telange D. R., Dingalwar A., Pethe A., Telrandhe U.**, “Fabrication and characterization of oral fast dissolving film of metoprolol succinate” on **Current Drug Therapy (Impact factor: 0.3, Scopus Q3)**.
- **Telange D. R., Bhange M., Kothawade S., Padwal V.**, “Emerging therapies and innovations in vitiligo management: A comprehensive review” on **Journal of Immunoassay and Immunochemistry (Scopus Q2)**.
- **Telange D. R., Mahajan N., Mandale T., More S., Warokar A.**, “*Pongamia pinnata* seed extract-mediated green synthesis of silver nanoparticles for estimation of their antipsoriatic properties” on **Bioprocess and Biosystem Engineering (Impact factor: 3.8, Scopus Q2)**.
- **Telange D. R., Pandhare P., Sawarkar K., Mahajan U., Ganorkar S., Warokar A.**, “Extraction, isolation, characterization and development of phospholipids complex nanocarrier for improved solubility, antiasthmatic and pharmacokinetic potential of curcuminoid on **Current Pharmaceutical Biotechnology (Impact Factor: 2.2, SCOPUS Q2)**.
- **Telange D. R., Pingle L. P., Rajput A., Musale S., Chalikwar S.**, “A current era in pulsatile drug delivery system: drug journey based on chronobiology”. **Heliyon (Impact Factor: 4.0, SCOPUS Q2)**.
- **Telange D. R., Kamdi S., Pethe A. M.**, “Preparation, Characterization and Hepatoprotective Activity Evaluation of Quercetin-Loaded Pluronic®F127/Chitosan – Myristic Acid Mixed Micelles”. **Current Drug Delivery (Impact Factor: 2.4, SCOPUS Q2)**.
- **Telange D. R., Hemke A. T., Pethe A. M.**, “Development of pentaerythritol-Eudragit RS100 co-processed excipients as solid dispersion carrier for enhanced aqueous solubility, in vitro dissolution and ex vivo permeation of atorvastatin”. **ACS Omega (Impact factor: 4.1, SCOPUS Q1)**.
- **Telange D. R., Agrawal R., Rarokar N.**, “Pteroyl-Y-I-glutamate/pluronic F68 modified polymeric micelles loaded with docetaxel for targeted delivery and reduced toxicity”. **Journal of Molecular liquids (Impact Factor: 6.0, SCOPUS Q1)**.
- **Telange D. R., Shete V. S., Mahajan N.M.**, “Development of phospholipon 90H complex nanocarrier with enhanced oral bioavailability and anti-inflammatory potential

of genistein”. **Drug Delivery (Impact factor: 6.0, SCOPUS Q1).**

- **Telange D. R., Agrawal S. A., Lambole V.** “Pullulan based derivatives: synthesis, enhanced physicochemical properties, and applications”. **Drug Delivery (Impact factor: 6.0, SCOPUS Q1).**
- **Telange D. R., Phutane, Pethe A. M.,** “Biofunctionalization and applications of polymeric nanofibers in tissue engineering and regenerative medicine”. **Polymers (Impact Factor: 5.0, SCOPUS Q1).**
- **Telange D. R., Pethe A. M.** “Calcium ion-sodium alginate-piperine based microsphere: Evidence of enhanced encapsulation efficiency, bio-adhesion, controlled delivery and oral bioavailability of isoniazid.” **AAPS Pharm SciTech (Impact factor: 3.3, SCOPUS Q2).**
- **Telange D. R.,** “Lymphatic transport system to circumvent hepatic metabolism for oral delivery of lipid-based nanocarriers.” **Journal of Drug Delivery Science and Technology (Impact factor” 5.0, SCOPUS Q1).**
- **Telange D.R., Pethe A. M,** “Use of combined nanocarrier system based on chitosan nanoparticles and phospholipids complex for improved delivery of ferulic acid”. **International Journal of Biological Macromolecules (Impact factor: 8.2, SCOPUS Q1).**
- **Telange D.R., Pethe A. M,** “Egg white protein carrier- assisted the development of solid dispersion for enhancement of aqueous solubility and permeability of poorly water-soluble hydrochlorothiazide”. **AAPS Pharm SciTech (Impact factor: 3.3, SCOPUS Q2).**
- **Telange D.R., Pethe A. M,** “Phospholipids complex – loaded self – assembled phytosomalsoft nanoparticles: evidence of enhanced solubility, dissolution rate, ex vivo permeability, oral bioavailability, and antioxidant potential of mangiferin”. **Drug Delivery and Translational Research (Impact factor: 5.4, SCOPUS Q1).**
- **Telange D.R., Pethe A.M.,** “LIPOID SPC-3 based coprecipitates for the enhancement of aqueous solubility and permeability of ranolazine”. **Journal of Pharmaceutical Innovation (Impact factor: 2.6, SCOPUS Q2).**
- **Telange D. R., Pethe A.M.** “Enhanced transdermal permeation and anti-inflammatory potential of phospholipids complex-loaded matrix film of umbelliferone: formulation development, physico-chemical and functional characterization”. **European Journal of Pharmaceutical Sciences (Impact factor: 4.6, SCOPUS Q1).**

- **Telange D. R., Dave V.S.** “Formulation and characterization of apigenin – phospholipids complex (APLC) for improved solubility, in vivo bioavailability and antioxidant potential”. **European Journal of Pharmaceutical Sciences (Impact factor: 4.6, SCOPUS Q1).**
- **Telange D. R., Hadke A. M., Pethe A. M.,** “Intranasal formulation and characterization of chitosan nanoparticles for improving in vitro mucoadhesion, residence time and absorption rate of pregabalin”. **International Journal of applied Pharmaceutics (SCOPUS, Q2).**
- **Telange D. R., Hadke A. M., Pethe A. M.,** “Enhanced aqueous solubility and in vitro dissolution of the anti-hyperlipidemic agent using synthesized solid dispersion carrier”. **International Journal of applied Pharmaceutics (SCOPUS, Q2).**
- **Telange D. R., Rarokar N.,** “Solubility enhancement of extracts of lagenaria siceraria by development of phospholipon 90H modulated phospholipids complex employing Box-Behnken design”. **Annales of Pharmaceutiques Francaises (Impact Factor: 1.3, SCOPUS Q3).**
- **Telange D.R., Gunde M.,** “Quality by design driven of topical gel encompassing papain and bromelain to elicit wound healing”. **Indian Journal of Pharmaceutical Education and Research (Impact factor: 0.8, Q3).**
- **Telange D.R., Pethe A. M.** “Supramolecular complexes of phospholipids and  $\beta$ -cyclodextrin with bioactive  $\beta$ -carotene: A comparative physico-chemical and functional evaluation”. **Indian Journal of Pharmaceutical Education and Research (Impact factor: 0.8, Q3).**
- **Telange D.R., Pethe A. M, Dave V. S.** “Glucosamine – HCl based solid dispersions to enhance biopharmaceutical properties of acyclovir”. **Journal of Excipients and Food Chemicals (SCOPUS, Q3).**
- **Telange D. R., Dave V.S.** “Pentaerythritol as an excipients/solid dispersion carrier for improved solubility and permeability of ursodeoxycholic acid”. **Journal of Excipients and Food Chemicals (SCOPUS, Q3).**
- **Telange D. R., Dave V.S.** “Drug-phospholipids complex-loaded matrix film formulation for the enhanced transdermal delivery of quercetin.” **Journal of Excipients and Food Chemicals (SCOPUS, Q3).**
- **Telange D. R., Dave V.S.** “Kaempferol-Phospholipids Complex: Formulation, and Evaluation of Improved Solubility, *In vivo* Bioavailability, and Antioxidant Potential of

Kaempferol”. **Journal of Excipients and Food Chemicals (SCOPUS, Q3)**.

- **Telange D. R., Patil T. A.** “Design, development and in vitro evaluation of novel fast disintegrating tablet for acetaminophen delivery using direct compression method”. **Asian Journal of Pharmaceutics (WoS Core)**.