

**Dr. B. Anbarasan**

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PhD/Post Doc supervision slots available: 1**Personal Profile:**

- Completed B. Pharm from KMCH college of Pharmacy-Coimbatore, M.Pharm from Periyar college of Pharmaceutical Sciences Tiruchirappalli and Ph.D in Sri Ramachandra Institute of Higher Education and Research (DU), Porur, Chennai. Guided 15 UG students and 12 PG students and Guiding 3 Ph.D Scholars.
- An academicians, aspiring to excel in the field of novel/targeted drug delivery system, especially in the field of stimuli sensitive drug delivery system, Liposomes, Niosomes, nanoparticles, Micro beads, Nanocochleates and Dendrimers. Other areas of interest are Design of Experiments (DoE) software, origin software for plotting graph, Targeted drug delivery, Bioavailability enhancement of poorly water soluble drugs. Doctoral research work was based on Formulation, Optimization and Evaluation of *In-situ* Antibiotic Hydrogel for Ophthalmic application.
- Having 1 year of industrial experience, 15 years of experience in Academic & research.
- Gate Project (intramural)- One Lakh received in 2022.
- Summer Projects received for 2 students 2022 and 2023 (Rs-10000).
- Patents- 3 Granted 2 Filed in the field of Artificial Intelligence.

Research Interests:

Formulation development of novel drug delivery systems such as

- ❖Targeted Drug delivery System (TDDS), like stimuli sensitive drug delivery system, Liposomes , Niosomes, nanoparticles, Microbeads, Nanocochleates and Dendrimers
- ❖Nanocomposites - with all biopolymers such as Carbon nanotubes drug delivery system.
- ❖Nerve regeneration- / Nerve Conduit.
- ❖Wound Healing - Diabetic mellitus.
- ❖ Herbal extract based drug formulations.

Team Members

S. No	NAME OF THE MEMBER	PROJECT TITLE
1 .	Kaviya. S (FT)	Optimization and evaluation of drug and collagen loaded nanocochleate gel for the treatment of Diabetic foot ulcer
2 .	Rani. S (PT)	Design, synthesis and characterization of Anti-viral drug loaded Poly (amidoamine) PAMAM dendrimers
3 .	Devishree. B (co-guide)	<i>In-vitro</i> and <i>In-vivo</i> assessment of collagen scaffolds loaded with Herbal Extracts for Diabetes wound Healing.

Key Publications:

1. Bioactive Efficacy of Identified Phytochemicals Solasodine, Lupeol and Quercetin from *Solanum xanthocarpum* against the RgpB Protein of *Porphyromonas gingivalis*—A Molecular Docking and Simulation Analysis., Deepavalli Arumuganainar, Gopinath Subramanian, Santhosh Basavarajappa , Mohamed Ibrahim Hashem, Kurumathur Vasudevan Arun, Subbusamy Kanakasabapathy Balaji, Pradeep Kumar Yadalam , Baskar Venkidasamy and Ramachandran Vinayagam, *Processes* 2023, 11, 1887. <https://doi.org/10.3390/pr11071887>, (MDPI) (Indexing in Scopus and Web of Science) (Impact Factor: 3.5).
2. An in-vitro evaluation of the Antibacterial efficacy of *Solanum Xanthocarpum* extracts on Bacteria from dental plaque biofilm, Deepavalli Arumuganainar, Gopinath Subramanian, Arun Kurumathur Vasudevan, Balaji Subbusamy Kanakasabapathy, *Cureus- A part of Springer Nature Group*. (Indexing in PubMed and Web of Science).
3. Pharmacokinetic Exploration of Sublingual Route for the Enhanced Bioavailability of Tacrolimus with Rabbit as Animal Model, Jisha Mohanan, Gopinath Subramaniyan*, Arul Kuttalingam, Damodharan Narayanasamy, *International Journal of Pharmaceutical Investigation*, Vol 14, Issue 1, 180-185, Jan-Mar, 2024. (Indexing in Web of Science) (Impact Factor: 0.5).
4. Gastro protective natural polymer aided triple drug therapy to eradicate *Helicobacter pylori*, Rajeshpavan Ampapuram*, Gopinath Subramaniyan, Ramakrishnan Subburaya Rajendran and Ramakrishna Reddy Padamala, *Pak. J. Pharm. Sci.*, Vol.37, No.3, May 2024, pp.499-514, doi.org/10.36721/PJPS.2024.37.3.REG.499-514.1 (Indexing in SCOPUS, MEDLINE / PubMed) (Impact Factor: 1.1).
5. Aloe vera leaf mucilage and lemon oil as potential penetration - enhancing agents to increase lornoxicam transdermal administration using nano vesicular gel, Gopinath Subramaniyan, Shaik Rubina* and Bachu Venkata Ramana, *Pak. J. Pharm. Sci.*, Vol.37, No.3, May 2024, pp.527-536, doi.org/10.36721/PJPS.2024.37.3.REG.527-536.1 (Indexing in SCOPUS, MEDLINE / PubMed) (Impact Factor: 1.1).