

Pooja Kulkarni

Asst. Professor

Dept. of Pharmaceutics

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OBJECTIVE

To utilize my expertise in teaching pharmaceutics at undergraduate and postgraduate levels, couples with ongoing research in novel drug delivery systems, to contribute to academic excellence and advance innovative therapeutic solution through impactful research collaborations.

INTERESTS

- Niosomes(NDDS)
- DOE
- Research and development

EDUCATION

- **Bachelor of Pharmacy:** Completed SVET's COP, Humnabad. Affiliated to RGUHS University. 2013 with 74.08%

Master of Pharmacy: Completed master of pharmacy in Pharmaceutics 78.94% from SVET's COP, Humnabad. Affiliated to RGUHS University.

Ph.D. Enrollment 2022: Currently pursuing a Ph.D.(Part-Time) at Rajiv Gandhi University of Health Sciences, Bengaluru, under the guidance of Dr. S.B, Shirsand, Head of the Department and Professor in the Department of Pharmaceutics. HKES's MTRIPS Kalaburagi

EXPERIENCE

1. Worked as an Asst. Professor S.V.E.T'S College of Pharmacy Humanbad. Karnataka, India from 02/05/2015-12/05/2016
2. Worked as an Asst. Professor Sri Balaji college of Pharmacy Jaipur India. From 10/03/2017-30/06/2018 and 01/04/2020-11/09/2021
3. Worked as an Asst. Professor at Aryan College of Pharmacy, Kalaburagi, Karnataka, India from 1st Jan 2021 to 31st Dec 2022
4. Currently working as an Asst. professor at HKES's Matoshree Taradevi Institute of Pharmaceutical Sciences, Kalaburagi, Karnataka, since 2nd January 2023 till the date.

PUBLICATIONS

- Title- Advances of niosomes as a targeted drug delivery system. Authors- Pooja Kulkarni*, S B Shirsand. RGUHS journal of Pharmaceutical Sciences. 2023;13(3):21-32.
- Title- Fluconazole loaded niosomal gel for topical application. Authors- Pooja Kulkarni*, S B Shirsand. Eur.Chem.Bull 2023;12(9):1841-51.
- Title- Niosomes :A novel drug delivery system. Authors- Pooja Kulkarni, Aniket L Hiraskar*. International Journal of Pharmaceutical Sciences and Research 2024;5(10):2933-2942.

- Transtosomes: A Promising Tool for Transdermal Drug Delivery System Authors- Shirsand.S.B, Pawar Vishnu, K. Pooja, Kore. S. International Journal of Pharmaceutical Sciences. 2024;(6): 944-54.

GRANTS SHORTLISTED PROJECTS

- Project has been accepted for oral presentation at Pharma Anveshan-2023 Vigyan Bhavan in New Delhi by Pharmacy council of India New Delhi in the category -3 (promising formulation).
- Research work shortlisted for the interview of faculty research project for the year 2023-24 from RGUHS Bangalore. Topic is Cyclosporine Loaded niosomes for Auto immune diseases and Allergic skin disorders.
- CSIR-HRDG-EMR-II ASPIRE Proposal ID: 37WS (56304)/ 2023. Title of the proposal: Formulation and Evaluation of tacrolimus and Mometasone Furoate loaded into niosomal gel for autoimmune and Allergic skin Disorders.
Screening Status: Your research proposal has been screened by the concerned research committee, and it has been recommended for further evaluation.

PRESENTATIONS

1. Oral presentation “Niosomes as advanced drug delivery system” a one-day National seminar sponsored by NAAC, A⁺⁺, Bangalore on “**Artificial intelligence and machine learning an application prospective in healthcare a sector**” held by BLDEA’s SSM College of Pharmacy and research centre, Vijayapur.
2. Presented a poster at the 73rd Indian Pharmaceutical Congress (IPC), an international conference, entitled Tacrolimus loaded niosomes for Autoimmune and Allergic Skin disorders “held in Hyderabad from July 5 to 7, 2024.
3. National Conference on Emerging Trends and Challenges in Pharmaceutical sciences 24th April 2024 organized by DATTAKALA SHIKSHAN SANTHA’S Institute of pharmaceutical sciences and research. Mrs. Pooja has given oral presentation on Niosomes As a targeted drug delivery system.

CERTIFICATIONS

- **Design of experiment.** Attended workshop KSPC – Skill Development Center on statistical Discovery for Pharmaceutical Sciences powered by JMP (a SAS company) on 25th and 26th September 2023.
- **Research Methodology-** Completed NPTEL online Research Methodology course for 8 weeks which was conducted by IIT Madras, Govt of India.
- **Faculty development programme-** On 16th February 2023 one-week online program on Qualitative Research and Issues in Plagiarism (An Interdisciplinary Approach) Organized by Swami Ramanand Teerth Mahavidyalaya Ambajogai and Guru Angad Dev Teaching and Learning Center, SGTB Khalsa college, University of Delhi under the Pandit Madan Mohan Malaviya National mission on Teachers and Teaching (PMMMNTT) of Ministry of Education.
- **IPR:** Attended one-day national level workshop on “TELLECTUAL PRORPERITY RIGHTS” on June 7TH 2023.

- **Artificial Intelligence:** BLDEA's SSM COLLEGE OF PHARMACY AND RESEARCH CENTER, VIJAYPURA Accredited A++ by NACC one day National Seminar by NAAC, Bengaluru on "Artificial Intelligence and Machine learning an Application Prospective in Health Care and Education Sectors.

TECHNICAL SKILLS

Design of Experiment Central Composite Design: Skilled in using 12.0.1.0 StatEase software.

- **Interpretation of vesicle size:** Skilled in interpreting of vesicle size of Scanning Electron Microscopy and Interpretation of response surface methodology.
- **Analytical instrument:** Proficient in operating and maintaining UV-VIS spectrometer 1800-Schimadzu and Rotary Evaporator (Model-RE100-S LED Digital Rotary Evaporator, DLAB)

PG ACADEMIC PROJECTS

Project 1: Formulation and Evaluation of Dexamethasone loaded niosomal gel for Skin Disorders.

Project 2: Design and development of enhanced bioavailability transdermal patches for carvedilol in chronic heart failure management.

LANGUAGE

- Kannada
- English
- Hindi

HOBBIES

- Writing Poems
- Reading Novels

DECLARATION

I hereby declare that all the particulars mentioned above are true to the best of my knowledge

PLACE:- Kalaburagi

Mrs. Pooja Kulkarni