

Suman Choudhary, Bachelor in Pharmacy

PhD. Candidate, Pharmaceutical Sciences College of Pharmacy and Health Sciences, St. John's University 8000 Utopia Parkway, Queens, NY 11439

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PROFESSIONAL SUMMARY

Compassionate, hardworking, and energetic researcher familiar with various fields of pharmaceutical industry namely drug development and production of different drug dosage forms, drug discovery, and analytical development .

EDUCATION

- **Ph.D.**, St. John's University, Queens, NY (Present)
- **Bachelor of Pharmacy**, Savitribai Phule Pune University, India (June 2022)

RESEARCH EXPERIENCE

St. John's University, Queens, NY

- **Graduate Research Assistant, Pharmaceutical Science Dept. (Sept 2023- present)**
- **Teaching Assistant, Pharmaceutical Science Department (Sept 2023-Present)**

MET's Institute of Pharmacy, Maharashtra, India

Research assistant (August 2022- February 2023) (Pharmaceutics Dept.):

- Prepared Curcumin Nanoparticles to fabricate fast dissolving oral powder for treatment of strep pharyngitis.
- Operated Probe sonicator (Athena Technology) and High-pressure Homogenizer (ShearJet® HL60 Electric hydraulic High Shear Homogenizer) for the preparation of Curcumin nanoparticles.
- Performed UV-Vis spectroscopic assays for Curcumin.
- Performed antisolvent crystallization method using PVP-K30 as the stabilizer, followed by lyophilization.
- Observed Particle size of the particles from the Nanosuspension using an optical microscope and particle size analyzer (Horibo SZ-100) as well as on Zeta sizer.
- Performed spectroscopic studies on samples using FT-IR, and UV-VIS spectroscopy.
- Performed dissolution studies using dissolution apparatus.
- Performed Saturation stability studies of untreated curcumin and freeze-dried curcumin nanoparticles.
- Fabricated Fast dissolving Oral Powder using Microcrystalline cellulose and Starch Glycolate as super disintegrant.

R. G. Sapkal College of Pharmacy, India

Research assistant (2021-2022) (Pharmaceutics Dept.):

Prepared a herbal cream for the treatment of Melasma using Licorice and papaya powder as the API.

SCHOLARLY PUBLICATIONS

- Thombre N.A., Sonawane S.S., Jadhav A.R., Jogdand R.R., Dhavale S.H., Jadhav V.S., **Choudhari S.M.** and Raut P (2023) Design and Evaluation of Fast Dissolving Tablet Containing Diclofenac Sodium using *Caesalpinia pulcherrima* Galactomannan as A Natural Superdisintegrant, Biological Forum- An International Journal, 15(5): 343-350.
- Nilima Thombre, Shubham Khairnar, Vivek Jadhav, Sandhya Dhavale, Abhishek Jadhav, Rutuja Jogdand, **Suman Choudhary** (2022) Antimicrobial Screening of Carboxymethylated *Caesalpinia Pulcherrima* Galactomannan, Int. J of food and nutritional sciences, 11(3): 530-543.
- Chapter submitted for publication '*Novel drug carrier systems for targeting cancer*' in a book series called '*Nanotechnology- Based Advanced drug delivery system in cancer*' published by Apple academic press, Inc. • Chapter submitted for publication '*Herbal Cosmetics*' in a book series called '*Recent trends in Beauty and Cosmetics*' published by AkiNik publications.

HONORS AND AWARDS

2023: Received Graduate Assistantship with tuition remission for the year 2023-24 from St. John's University College of Pharmacy and Health Sciences which is offered to eligible graduate students to support their studies.

CO-CURRICULAR:

Student worker: Events & A/V Coordinator for the Summer Conference Services at St. John's university.

CONFERENCE ATTENDED

Attended an international conference on '*Recent innovations: A Holistic and Integrated Approach to Pharmaceutical Science*'.