

MOHD ANOOF

CHEMICAL ENGINEER

CONTACT

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- m.anoof53@gmail.com
- Jubail

SKILLS

- Strategic Planning
- Problem Solving
- Crisis Management
- Creative Thinking
- Data Analysis

LANGUAGES

- English (Fluent)

EDUCATION

Bachelor of Engineering In Chemical Engineering
Siddaganga Institute Of Technology - India AUG 2019 - 2024

Relevant Coursework :
Advanced Transport Phenomena, Mathematical Modelling, Reaction Kinetics & Catalysis, Mass Transfer &, Process Equipment Design, Biochemical Process

TECHNICAL SKILLS

Process Modelling & Control:
Population Balance Model (PBM), Process Optimization, Experimental Design and Statistical Process Control.

Formulation & Lab Techniques :
Cooling/Antisolvent Crystallization, Nanoparticle synthesis, Liposome Formulation, Hydrogel Development, Mammalian Cell Culture, Biocompatibility Testing.

Materials:
Polymer Synthesis, Biomaterial characterization, Drug delivery Systems.

Software :
MATLAB, Python, SolidWorks, OriginLab, Design II, ImageJ

Characterizations:
HPLC, FTIR, UV-Vis Spectroscopy, Fluorescence imaging, Rheometry, Particle Size analysis and imaging.

RESEARCH & PROFESSIONAL EXPERIENCE

Research Intern : SEP 2020 - JUL 2024

Siddaganga Institute of technology - Bio-InVENT Lab - Drug delivery & Formulation Science

- Engineered nanoparticle drug delivery system achieving 3x faster corneal tissue internalization, extending viability to 48 hours for transplantation applications.
- Formulated sustained-release hydrogel drug delivery system for ocular disease treatment (Fungal Endophthalmitis & Uveitis)
- Performed downstream purification and characterization for product purification and analysis.

Publication :
First-author research paper in Nanoscale Advances (RSC 2023):
presented award winning research at APM 2023& IISc 2023.

PERSONAL STATEMENT

I hereby declare that all the information that i have Presented is true to the best of my knowledge. I could be Glad to provide you with any further details if required .

With Regards
MOHD ANOOF