

Siddharth

Biotechnology Professional

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Research | Analytics | Genomics | Bioinformatics

QUALIFICATION SUMMARY

Biotechnology graduate with a strong foundation in organic and medical chemistry research, specializing in synthesis, purification, and characterization of nitrogen-containing molecules. Skilled in Molecular Docking, SWISS ADME, and DNA Topoisomerase interactions, blending scientific rigor with innovative approaches. Currently pursuing MBA and MS in Biotechnology, committed to driving advancements in biotech and fostering sustainable solutions.

KEY SKILLS

Molecular Docking
ChemDraw
Schrödinger

Swiss ADME
DNA/Protein Analysis
Research Methodologies

Molecular Biology Techniques
Communication
Time Management

RELEVANT PROFESSIONAL EXPERIENCE

Biotechnology Intern

01/2024 - Present

Amity Institute of Biotechnology

Noida

Conducted research in organic and medical chemistry, specializing in the synthesis, purification, and characterization of nitrogen-containing molecules. Utilized in-silico approaches such as SWISS ADME and Molecular Docking to study the properties and interactions of synthesized compounds.

Biotechnology Intern

06/2023 - 07/2023

Amity Institute of Biotechnology

Noida

Investigated the interaction between DNA Topoisomerase and Quinoline-based molecules via Molecular Docking, revealing insights into their binding affinity and potential therapeutic applications. Utilized Schrödinger Software for simulations, identifying key molecular interactions and creating visual.

Biotechnology Intern

03/2021 - 04/2021

United Biotech Pvt. Ltd.

New Delhi

Conducted a thorough study on Bambara groundnut flour, analyzing its nutritional composition and digestibility after fermentation with a LAB consortium. Provided valuable insights for improving the flour's nutritional profile through microbiological techniques.

ACHIVEMENTS AND CERTIFICATIONS

Certificate of Participation (08/2023 - 08/2023)

International Symposium on “Revolutionizing Medical Imaging with Computer Vision and Artificial Intelligence”

Review Article Publication- Communicating

- **Title: Exploring Cutting-Edge Approaches in Plastic Recycling for a Greener Future**
- **Description:** The review article explores the state of plastic recycling today,

	<p>highlighting the challenges and innovative approaches that accelerate the waste to wealth conversion.</p> <ul style="list-style-type: none"> • Journal: Publishing in Results in Engineering, 2024 • Author & Co-Authors: Siddharth1, Munendra Jaudan1, Preeti Kushwaha1,2, Anjali Saxena1, Biswajit Saha1* 1. Amity Institute of Biotechnology, Amity University, Noida, Uttar Pradesh 2. Amity Institute of Click Chemistry Research and Studies, Amity University, Noida, Uttar Pradesh
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EDUCATION

<p>Master of Business Administration Amity University</p>	<p>01/2023 - Present Noida</p>
<p>Master of Science in Biotechnology Amity University</p>	<p>09/2022 - Present Noida</p>
<p>Bachelor of Science (Hons.) in Biotechnology Amity University</p>	<p>08/2018 - 04/2021 Noida</p>