Hizbullah Malik

Chemical Engineer

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Herman Kreg Veg 23 H0101, Trondheim, Norway

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WORK EXPERIENCE

Core Facility Engineer
Particle Engineering Centre, IKP NTNU Gløshaugen

11/2023 - Present — *Trondheim, Norway*

Responsibilities/Tasks

- Equipment Training, Characterization, Data Analysis, Report Writing

Contact : *Dr Sulalit Bandyopadhyay - +4745071041 , sulalit.bandyopadhyay@ntnu.no*

Research Assistant
IKP, NTNU Gløshaugen

03/2023 - 01/2024 — *Trondheim, Norway*

Responsibilities /Tasks

- Process Development, Experimentation, Data Analysis, Report Writing

Contact : *Dr Sulalit Bandyopadhyay - +4745071041 , sulalit.bandyopadhyay@ntnu.no*

Research Assistant
SCME, NUST

11/2020 - 11/2021 — *Islamabad, Pakistan*

Responsibilities /Tasks

- Conducted experiments, Data Analysis, Research Publication

Contact : *Dr Muhammad Bilal Khan Niazi - +92 3006003206 , m.b.k.niazi@scme.nust.edu.pk*

Researcher
Nano Hive Pvt Ltd

06/2019 - 09/2019 — *Peshawar, Pakistan*

Tasks

- Literature review , Data Analysis and Graphic designing

EDUCATION

Master's in Chemical Engineering
School of Chemical & Material Engineering National University of Science and Technology

09/2020 - 08/2023 — *Islamabad, Pakistan*

Courses

- Separation Processes in chemical Engineering
- Nano catalysis

Bachelor's in Chemical Engineering
Chemical Engineering Department University of Engineering & Technology

09/2016 - 09/2020 — *Peshawar , Pakistan*

Courses

- Separation Process
- Heat & Mass Transfer
- Transport Phenomenon
- Chemical Reaction Engineering

SKILLS

Process Design | Chemical Analysis | Quality Control | Project Managment | Team Work | Communication | Time Management | Adaptability | Microsoft Office

RESEARCH PROJECTS

Oil-Water Separation using Magnetic Nanoparticles (03/2023 - 01/2024)

Development of Polymeric Hydrogel incorporated with Zinc oxide nanoparticles for Burn wound dressing (01/2022 - 03/2023)

Development of value added Zincated Urea with Slow - Release Nitrogen Feature (11/2020 - 11/2021)

Development of Transparent Super Hydrophobic Coating using Silica Nanoparticles and Modified Polyvinyl Alcohol (09/2019 - 08/2020)

PUBLICATION

Study of Shape of Zinc Oxide Nanoparticles on the in-vitro and in-vivo Performance of Polymeric Hydrogels for Wound Dressing
Under Review (ACS Omega)

Wood as a green and sustainable alternative for environmentally friendly & flexible electronic devices
https://doi.org/10.1016/j.chemosphere.2023.139213

Fabrication and characterization of functionalized nano - silica based transparent superhydrophobic surface
https://doi.org/10.1016/j.matchemphys.2021.124694

LANGUAGES

Urdu
Full Professional Proficiency

English
Full Professional Proficiency