YASHVI SHETH

PhD Scholar
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Education

July 2021 Onwards	**Ph.D. in Nanotechnology** (CGPA: 9.73) Indian Institute of Technology, Bombay **Project Title:** Nanomaterials Based Composites for Heavy Metal Remediation from Water
July 2019 – May 2021	**M.Tech in Chemical Engineering** (CGPA: 9.86) Pandit Deendayal Energy University, Gandhinagar **Project Title:** Nanomaterials Based Hybrid Adsorbent for The Selective Uptake of Heavy Metal Ions
July 2015 – May 2019	**B.Tech in Chemical Engineering** (CGPA: 8.74) Nirma University, Ahmedabad **Project Title:** Application Of Ionic Liquids In Separation Processes

Journal Publications

1. **Sheth, Y.**, Dharaskar, S., Khalid, M., & Walvekar, R. (2022). Investigating chromium Cr (VI) removal using imidazolium based ionic liquid-chitosan composite adsorptive film. ***Journal of Molecular Liquids***, *347*, 118317.
2. **Sheth, Y.**, Dharaskar, S., Chaudhary, V., Khalid, M., & Walvekar, R. (2022). Prospects of titanium carbide-based MXene in heavy metal ion and radionuclide adsorption for wastewater remediation: A review. ***Chemosphere***, 133563.
3. **Sheth, Y.**, Dharaskar, S., Khalid, M., & Sonawane, S. (2021). An environment friendly approach for heavy metal removal from industrial wastewater using chitosan based biosorbent: A review. ***Sustainable Energy Technologies and Assessments***, *43*, 100951.

Achievements

Secured **5th position** for the state level competition held by **"Gujarat Cleaner Production Centre (GCPC)"** for the research project **"Application of Ionic Liquid in Separation Techniques"**.

Conference Paper

1. The paper titled "**Methanol-Acetonitrile Separation by Extractive Distillation using ILs**" has been published as Conference Proceedings in SSRN. [**Sheth, Yashvi** and Joshipuraa, M. H., Methanol-Acetonitrile Separation By Extractive Distillation Using ILs (February 7, 2020)].

Instrumental And Computational Skills

AutoCAD, Aspen PLUS, Aspen HYSYS, MATLAB, UV-Visible Spectrophotometer, Inductively Coupled Plasma Atomic Emission Spectroscopy (ICP-AES) (Beginner)

References

Prof. Rajdip Bandyopadhyaya
Department of Chemical Engineering
Indian Institute of Technology, Bombay

Prof. Amritanshu Shriwastav
Environmental Science & Engineering Department
Indian Institute of Technology, Bombay

Yashvi Vijaybhai Sheth