

Antra Choubey

Ph.D. (II Year I Semester)

Chemical Engineering Department

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Indian Institute of
Technology
Roorkee



EDUCATION

Year	Degree/Examination	Institution/Board	CGPA/Percentage
2022	Ph.D. II Year	Indian Institute of Technology, Roorkee	9.111
2021	M.Tech	Indian Institute of Technology, Varanasi	9.46
2017	B.Tech	Maulana Azad National Institute of Technology, Bhopal	8.11
2013	Intermediate	Saket Shishu Ranjan HSS, M.P. Board	95%
2011	Matriculate	Saket Shishu Ranjan HSS, M.P. Board	89.83%

ACADEMIC PROJECTS

- **Ph.D., IIT Roorkee** [2021-Present]
DFT computation and fabrication of MXene/metal chalcogenides-based supercapacitor for stretchable and high energy density applications.
 - To fabricate flexible, stretchable, self-healable composite film of MXene/metal chalcogenides in the combination of carbon-based materials optimized using DFT and testing the performance for solid state supercapacitor.
- **M.Tech., Project, IIT BHU** [2019-2021]
Synthesis of Polypyrrole-Nickel Oxide-Activated Carbon-based ternary composite with enhanced electrochemical properties for supercapacitor electrode.
 - In includes the synthesis of polypyrrole, nickel oxide, and activated carbon followed by fabricating binary and ternary composites using these three and electrochemical performance comparison to find the most efficient electrode material.
- **B.Tech. Final year project, NIT Bhopal** [2016– 2017]
Refining of used lubricating oil to restore its original properties.
 - In includes the refining of used lubricating oil through a series of operations such as dehydration, vacuum distillation, and solvent extraction.

INTERNSHIPS

- Bharat Oman Refinery Limited | **Industrial Training** [2016]
Detailed study of crude distillation and vacuum distillation units.

AWARDS & ACHIEVEMENTS

- MHRD fellowship for Doctoral degree at IITR, 2021-2026.
- MHRD fellowship for Master of Technology at IIT BHU, 2019-2021.
- Secured 9th rank in the state merit list of Madhya Pradesh in intermediate, 2013.
- Awarded certificate of excellence for securing full marks in 'Physics' in intermediate, 2013.
- National Cadet Corps- B

POSITIONS OF RESPONSIBILITY

- Event Coordinator | PURGE, Social committee at MANIT [2016-2017]
- Core team Member | Vision, Technical committee at MANIT [2014-2016]

REFERENCES

Ashish Yadav
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