

RISHANK KUSHWAHA

Final Year, RGIPT | Chemical Engineering Undergraduate

Male | 13/06/2000

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OBJECTIVE

A highly organised and hardworking neophile looking for an organisation which provides the opportunity to improve my skills and knowledge and grow along with the organization goals

EDUCATIONAL BACKGROUND

| COURSE | INSTITUTE | CPI/% | YEAR |
|-------------|--|-------|-----------|
| B.Tech | Rajiv Gandhi Institute of Petroleum Technology | 8.11* | 2019-2023 |
| XII, (CBSE) | Mahatma Hansraj Modern School | 2016 | 78 |
| X, (ICSE) | Rani Laxmi Bai Public School | 2018 | 85.83 |

* till 6th Semester

INTERNSHIP

Directly coupled CO₂ capture and electrochemical conversion | BPCL R&D

July 2 – August 18, 2021

Mentor: Dr. Rjeev Kumar (DGM)

Description

- Sequential vs integrated CO₂ capture and electrochemical conversion
- The EDL in amine-CO₂ systems

PROJECTS

Simulation studies for two phase mass transfer

(May 22'-June 22')

Mentor: Dr. Koushik Guha Biswas

- To construct ternary plots/equilibrium diagram for various unknown liquid-liquid systems. Obtaining linear relationship between solute concentration in aqueous and organic phase.

Computational Fluid Dynamics studies for two phase flow systems in the micro conduits

(Nov 21'-Dec 21')

Mentor: Dr. Koushik Guha Biswas

- Experimental results on hydrodynamic studies for liquid-liquid flow to be validated using Ansys fluid flow fluent software.

To enhance mass transfer using nano-particles

(March 20'-April 20')

Mentor: Dr. Koushik Guha Biswas

- Project was focused on synthesis of nano-particles and using them in T-shaped milli-channel to enhance mass transfer

TECHNICAL SKILLS

- Programming Languages – C, JAVA.
- Software: ASPEN+, Ansys (fluid flow fluent), AutoCAD[2D], MS Office.

EXTRA-CURRICULAR ACTIVITIES/PORs and Achievements

- Cleared JEE Mains and JEE Advanced 2019.
- Public Relation Executive at AIChE RGIPT Student Chapter (2020-21)
- Contributed in teaching physics to underprivileged children of classes 10th, 11th, 12th at Gyanarpan Teaching Centre.
- Community Internship on analysing and solving problems of nearby rural areas.