

# NISCHAY KAUSHIK G

## EDUCATION QUALIFICATION

Year	Degree/Certificate	Institution	Marks obtained
2015-present	M.tech and PhD	IIT Madras	8.32 (at the end of fifth semester)
2010-2015	B.E. (Hons.) Chemical Engineering & MSc (Hons) Physics	BITS Pilani, Hyderabad Campus	7.18/10 (CGPA)
2010	Board of Intermediate Education (Maths, Physics, Chemistry)	Narayana Junior College, Hyderabad	92.6%
2008	Central Board of Secondary Education (CBSE)	DAV Public School, Safilguda, Hyderabad	79%

## PROJECTS

### 1. Respiration rate monitoring using an intelligent temperature sensor.

*IIIT, Hyderabad (May 2011 - July 2011)*

- Developed an intelligent temperature sensor for monitoring the rate of respiration of a human by detecting the variations in the temperature of the air exhaled using a temperature sensor.

### 2. Summer Training on the working of a steel plant and the various divisions of a steel plant:

*Bhilai Steel Plant, (May 2012 - Jul 2012)*

- Studied large scale manufacture of products of steel plant such as wires; rods; plates for ships and armor plates; structurals such as angles, channels and beams in different Mills.

### 3. Crystallization based studies on Polypropylene based composites:

*BITS Pilani, Hyderabad Campus, (Jan 2014 - May 2014)*

- Study on characterization and mechanical properties of Polypropylene doped with Coir fibre and Talc in varying amounts.

- Studied the Mechanical properties of a composite material which were modified by the addition of fibres and fillers.

#### 4. **Recovery of valuable Organic compounds from solvents using membrane separation Processes:**

*IICT, Hyderabad, (Jul 2014 – June 2015)*

- This project focus is on the extraction of important organic acids and solvents using a membrane separation techniques from industrial wastes.
- The effect of operating parameters such as initial concentrations of acid and extractant on membrane (Liquid-liquid membrane contactor system) performance have been studied.
- Studied the separation of solvents from their binary mixture using the process of Membrane Distillation.

## **WORKSHOPS/CONFERENCES**

1. **Facilitation of Catalyst/Solvent recycle by Membrane Distillation through Porous Hydrophobic Polyvinyl Halides** - M.Madhumala, Nischay Kaushik G, T. Sankarshana, S. Sridhar (presented at MEMSEP 2015 conference)

## **TECHNICAL SKILLS**

- Programming Languages/Tools: C, C++, MATLAB
- Designing Tools: AutoCAD, Aspen

## **PERSONAL INFORMATION**

Email: gnkaushik92@gmail.com

Date of Birth: 5 September 1992

Languages Known: English, Hindi, Telugu

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