



## **Dr. Hara Mohan Jena**

### **Associate Professor**

Department of Chemical Engineering, National Institute of Technology Rourkela

### **Education:**

M.Tech. (Chemical Engineering) from NIT Rourkela, Odisha

Ph.D. (Chemical Engineering) from NIT Rourkela, Odisha

**Professional Memberships:** Life Fellow of The Institution of Engineers (India), Life Member of Indian Institute of Chemical Engineers, Indian Society of Technical Education and Indian Public Health Engineers.

### **Work experience:**

#### **Industry: 5 years**

As Chemist in IPI Steel and Reliance Poly Fibre, Dhenkanal, Odisha. As Production Engineer in Paradeep Oxygen Pvt. Ltd., Cuttack, Odisha and Akay Organics Ltd. Tarapur, Maharashtra. As Manager (Production) in United Phosphorous Ltd, Vapi, Gujarat.

#### **Teaching: 22 years**

As Adhoc Lecturer, Assistant Professor and Associate Professor of Chemical Engineering in IGIT, Sarang, Odisha and NIT Rourkela.

**Subject Expertise:** Fluid Dynamics, Industrial Instrumentation, Process Dynamics and Control, Transport Phenomena, Simulation Modeling and Optimization of Chemical Processes, Chemical Engineering Thermodynamics, Analysis and Design of Pollution Control Devices

**Research Interest:** Fluidization Engineering, Multi-phase Flow, Multi-phase Reactor Analysis, Computational Fluid Dynamics, Industrial Wastewater Treatment.

### **Research Publications:**

(i) Published 56 Research Papers in International Journals with h-index: 23 and i10-index: 35

(ii) Presented 49 Research Papers in International and National Conferences

### **Research Guidance:**

Guided 5 Ph.D. Thesis as Sole supervisor and 2 as Co-Supervisor and currently guiding 3 Ph.D. students.

Guided 5 M.Tech. (Research) and 14 M. Tech. students and 53 B. Tech. Projects.

### **Seminars/Conferences/Short term courses organized:**

Organized 3 national and 1 international conferences, 1 student congress and 2 Short term courses.

### **Paper reviewer for International Journals:**

Engaged in reviewing service of many reputed Peer reviewed International Journals.

### **Administrative / support work at NIT Rourkela:**

Handled many administrative responsibilities to name a few as; Warden to Halls of Residences and Professor in-Charge, Common Class Rooms and Facilities.

### **Academic Outreach Activities:**

Served Professional bodies, Indian Institute of Chemical Engineers and The Institution of Engineers as Honorary Secretary

External Examiners to various Institutions, state universities and NITs and IIT Kharagpur.

Member of Expert Committee of All India Council for Technical Education.

External expert to Ph.D. and faculty selection committee of various state Institutions, state Universities and CSIR Lab- IMMT, Bhubaneswar.

Hara Mohan Jena