

Curriculum Vitae

Dr. Kurella Swamy

Assistant Professor (31-10-2018 to Present)

Department of Chemical Engineering,

National Institute of Technology Srinagar

Hazratbal, Srinagar, Jammu and Kashmir - 190006

Mobile: +91 6305824790 ; +91 9093887897

Email: kurellaswamy@nitsri.ac.in ; swamy06050@gmail.com



Education					
Program	Specialization/ Subjects	Board/ Institution/ University	%Marks / CGPA	Class/ Division	Year of Passing
Doctor of Philosophy	Chemical Engineering	Indian Institute of Technology (IIT) Kharagpur	Not Applicable (NA)	NA	2017
Master of Technology	Chemical Engineering	Indian Institute of Technology (IIT) Kharagpur	7.81	First	2012
Bachelor of Technology	Chemical Engineering	University College of Technology, Osmania University	67.8	First	2010
Intermediate (10+2)	Mathematics Physics Chemistry	Board of Intermediate Education (AP)	88.9	First	2006
SSC(10)	General Studies	Board of Secondary Education (AP)	89.6	First	2004

PhD Thesis Title:

Cleaning of Synthesis Gas by a Multistage Dual-flow Sieve Plate Column Wet Scrubber

PhD Thesis Guide: Prof. B. C. Meikap (IIT Kharagpur)

M.Tech Thesis Title:

Solid-liquid Phase Transfer Catalysed Methoxylation for the Synthesis of p-nitroanisole using 18-crown-6 as Catalyst

M.Tech Project Guide: Prof. Sonali Sengupta (IIT Kharagpur)

Teaching Experience

Organization	Designation	From	To
NIT Srinagar	Assistant Professor	31-10-2019	Continue
NIT Bhopal	Assistant Professor (Temporary)	18-07-2018	27-08-2018
NIT Bhopal	Assistant Professor (Temporary)	01-01-2018	25-05-2018
NIT Calicut	Adhoc Faculty	19-07-2017	30-11-2017

Research Areas

- Industrial Pollution Control
- Separation and Purification Processes
- Phase Transfer Catalysis
- Chemical Reaction Engineering

Awards and Fellowships

- **Best Poster Award** (Jointly Third) at EMEOTMT, Indian Institute of Technology (IIT) Guwhati 2015
- Ministry of Human Resource Development (MHRD), Government of India, Fellowship for **M. Tech** and **Ph.D.** through **GATE**.
- Steel Authority of India Limited (SAIL) Scholarship for Promising Undergraduate Engineering Students 2006-2010.

Publications

Journals

- **Swamy Kurella** and B. C. Meikap. Removal of fly-ash and dust particulate matters from syngas produced by gasification of coal by using a multi-stage dual-flow sieve plate wet scrubber. *Journal of Environmental Science and Health: Part A*, 2016, 51(10), 870-876.
- **Swamy Kurella** and B. C. Meikap. Hydrodynamic characteristics of three-stage dual-flow sieve plate scrubber. *South African Journal of Chemical Engineering*, 2017, 23, 91-97.
- **Swamy Kurella**, Pavan Kishan Bhukya, B. C. Meikap. Removal of H₂S pollutant from gasifier syngas by a multi-stage dual-flow sieve plate column wet scrubber. *Journal of Environmental Science and Health: Part A*, 2017, 52 (6), 515-523.
- **Swamy Kurella**, Mounika Balla, Pavan Kishan Bhukya and B.C. Meikap. Scrubbing of HCl Gas from Synthesis Gas in a Multistage Dual-Flow Sieve Plate Wet Scrubber by Alkaline Solution. *Journal of Chemical Engineering and Process Technology* 2015, 6:5
- **Kurella Swamy**, Neeraj Kumar and B. C. Meikap. Hydrodynamic study of multi-stage plate column scrubber for removal of particulate. *South African Journal of Chemical Engineering*, 2015, 20(1), 44-60.
- **Swamy Kurella**, Jayanta Kumar Basu and Sonali Sengupta. Study of Solid-Liquid Phase Transfer Catalysed Reaction to Produce P-Nitroanisole Using 18-Crown-6 as Catalyst. *Indian Chemical Engineer*, 2017, 59(1), 31-40.

Book Chapter

- **Swamy Kurella**, Pavan Kishan Bhukya and B.C. Meikap. Mathematical Modelling on Particulate Removal in Multistage Dual-flow Sieve Plate Column Wet Scrubber. Chapter 26, Recent Advances in Chemical Engineering - Select Proceedings of ICACE 2015. Springer Publications. DOI: 10.1007/978-981-10-1633-2_26

Conferences

- Swamy Kurella, Mounika Balla, B.C. Meikap, Water Scrubbing of HCl Gas from Raw Syngas in Multistage Dual-Flow Sieve Plate Column. RACE-2020 held at **UCT, OU, Hyderabad**, January 8-9, 2020.
- **Swamy Kurella**, Pavan Kishan Bhukya and B. C. Meikap. Water Scrubbing of H₂S Gas in Dual-flow Sieve Plate Column Scrubber. *ICEST-2016* held at Hilton Houston North Hotel, **Houston, Texas, USA**, June 6-10, 2016.
- **Swamy Kurella**, Pavan Kishan Bhukya and B. C. Meikap. Simultaneous scrubbing of particulate matter and hydrogen sulfide in a three stage dual-flow sieve plate column. G16-Asian: 5th International Conference on Research Frontiers in Chalcogen Cycle Science & Technology, **Goa, India**, December 19-21, 2016.
- **Swamy Kurella**, Pavan Kishan Bhukya and B. C. Meikap. Mathematical Modelling on Particulate Removal in Multi-stage Dual-flow Sieve Plate Column Wet Scrubber. *International Conference on Advances in Chemical Engineering (ICACE) 2015*, NITK Surathkal, **Karantaka**, December 20-22, 2015.
- **Swamy Kurella**, Pavan Kishan Bhukya and B. C. Meikap. Hydrogen Chloride gas removal from synthesis gas in multistage dual-flow sieve plate column wet scrubber. *Chemference 2015*, IIT **Hyderabad, Telangana**, Decemeber 5-6, 2015.
- **Swamy Kurella** and B. C. Meikap. Hydrodynamic and Performance Study of Plate Column Scrubber for Particulate Removal. *EMEOTMT* at IIT **Guwhati, Assam, India**, March 2-5, 2015.
- **Swamy Kurella**, Manish Kumar and B. C. Meikap. Pressure drop variations in multistage plate column wet scrubber. *Chemcon 2014*, **Panjab University, Chandigarh**, Decemeber 27-30, 2014.
- **Swamy Kurella**, Pavan Kishan Bhukya and B. C. Meikap. Study on interfacial area of contact in multistage dual-flow sieve plate column scrubber. *STCE 2016* at NIT **Rourkela, Odisha, India**, February 13-14, 2016.

Courses Taught

- Mechanical Operations, Chemical Process Technology, Chemical Process Calculations, Industrial Pollution Abatement, Safety in Chemical Industries, Risk Analysis and Hazard,

Workshops and Short-term courses attended

- **“Advanced Course in Mineral Processing”** held during 12-17 December, 2016 at IIT Kharagpur.
- **“Author Workshop jointly organized by Springer and IIT Kharagpur”** held on 12th February 2014.
- **“Thomson Reuters half day training session on Web of Science”** held on 30th October 2014.