



Dr. Anil Kumar Chandrakar
Associate Professor

School: School of Studies of Engineering and Technology

Department: Department of Chemical Engineering

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Qualifications

- Ph.D. from IIT Roorkee in Chemical Engineering, 2007
- M.Tech. from IIT Roorkee in Chemical Engineering, 2004
- B.E. from GEC Raipur in Chemical Engineering, 1998

Area of Interest/Specialization

Catalysis, Reactive separation, Adsorption, Modeling and Simulation

Experience

- Associate Professor in Department of Chemical Engineering, School of Studies of Engineering and Technology, G.G.V. from 26 December 2019 to till date
- Assistant Professor in Department of Chemical Engineering, School of Studies of Engineering and Technology, G.G.V. from 18 June 2007 to 26 December 2019.
- Lecturer in Department of Chemical Engineering, I.T.M., Gwalior from August 2000 to November 2001.
- Apprentice Engineer Trainee in The D.M.C.C. Ltd., Kumahari (C.G.) from April 1999 to April 2000.

Best Peer Reviewed Publication (up-to 10)

1. M.R. Maurya, **A.K. Chandrakar** and S. Chand, "Oxidation of phenol, styrene and thioanisole with H₂O₂ catalysed by VO(IV) and Cu(II) complexes of 2-aminomethylbenzimidazole based ligand encapsulated in zeolite-Y", J. Mol. Catal. A: Chem., **263** (2006) 227–237.
2. M.R. Maurya, **A.K. Chandrakar** and S. Chand, Oxovanadium (IV) and copper(II) complexes of 1,2-diaminocyclohexane based ligand encapsulated in zeolite-Y for the

catalytic oxidation of styrene, cyclohexene and cyclohexane, J. Mol. Catal., A: Chem., **270** (2007) 225-235.

3. M.R. Maurya, **A.K. Chandrakar** and S. Chand, Zeolite-Y encapsulated metal complexes of oxovanadium (IV),copper(II) and nickel(II) for the oxidation of styrene, cyclohexane and methyl phenyl sulfide, J. Mol. Catal., A: Chem., **274** (2007) 192-201.
4. M.R. Maurya, **A.K. Chandrakar** and S. Chand, Oxidation of methyl phenyl sulfide, diphenyl sulfide and styrene by oxovanadium (IV) and copper(II) complexes of NS donar ligand encapsulated in zeolite-Y, J. Mol. Catal., A: Chem., **278** (2007) 12-21.
5. **A.K. Chandrakar**, V. K. Agarwal , S. Chand and Dr. K. L. Wasewar, “Modeling and simulation of catalytic distillation column for esterification of acetic acid with methanol” International J. of Chem. Reactor Engg., **5** (2007) A81.
6. M.R. Maurya, Priyanka Saini, Chanchal Haldar, **A.K. Chandrakar** and S. Chand “Oxidation of styrene and cyclohexene with TBHP catalysed by copper(II) complex encapsulated in zeolite-Y” Journal of Coordination Chemistry, 65 (2012) 2903-2918.
7. Vibha Verma Deshmukh, Neeraj Chandraker, R. S. Thakur and **A. K. Chandrakar** “Analysis of moisture content of pulses pellets using fluidized bed dryer” Journal of Chemical and Pharmaceutical Research, 7(6) (2015) 447-451.
8. Abhinesh Kumar Prajapati, Parmesh Kumar Chaudhari, Dharm Pal, **Anil Chandrakar**, Rumi Choudhary “Electrocoagulation treatment of rice grain based distillery effluentusing copper electrode” Journal of Water Process Engineering 11 (2016) 1–7
9. Anuradha N. Joshi, **Anil K. Chandrakar** , Kailas L. Wasewar , Raghwendra S. Thakur and Amit Jain “Extractive recovery of p-coumaric acid using natural and conventional organic solvents” J. Indian Chem. Soc. 97 (2020) 1104-1107
10. Anuradha N. Joshi, **Anil K. Chandrakar** , Kailas L. Wasewar “Extractive separation of 4- hydroxybenzoic acid from aqueous solution using nontoxic and conventional solvents” Chemical Data Collections 36 (2021) 100782

Research Supervision

M.Tech: 02 degree awarded

Ph.D.: 02 ongoing

Administrative Responsibilities

- Holding the position of Head(I/c), Chemical Engineering Department w.e.f. 27-07-2018
- Working as Chairman, BoS, Chemical Engineering
- Worked as Member, BoS, Chemical Engineering, during 2016-19
- Chairman, DRC, Chemical Engineering since 27-07-2018
- Working as a DRC member Chemical Engineering since 01-11-2016
- Working as Member, School Board for School of Studies of Engineering and Technology, since 27-07-2018
- Working as Coordinator, ISO Certification Committee, GGV
- Working as Member, Chemical, Glass ware/Plastic ware Purchase Committee, GGV Session 2021-22
- Worked as Centre Superintendent, Institute of Technology during 2013-14
- Worked as Assistant Centre Superintendent, Institute of Technology during 2009, 2011 2014
- Worked as Assistant Centre Superintendent, VET/VRET New IT- Building for 2014
- Convener, Disciplinary and Anti Ragging Committee , Institute of Technology, for 2016-17
- Worked as Controller UGC NET June 2014 for Control Room (New IT- Building)
- Coordinator, Central Evaluations (B.E./B.Tech.) for 2009-10
- Co-Coordinator, B.Tech. Admission for 2014-15
- Public Information Officer, Chemical Engineering, during 2009-10 and 27-07-2018 to Till date

Additional Information

- Organized A Workshop on “Latest Development status of Renewal Energy Sources in India” as Organizing Secretary on October 13, 2007.
- Organized A National Seminar on “Recent Advances in Chemical Engineering Operation and Process in Chemical and Allied Industries” as Joint Secretary on February 05-06, 2008.
- Organized An International Conference (Online) on “Covid Challenges of Energy and Environment Management for Sustainable Growth of Process Industries (CCEEMSGPI-2021)” (Sponsored by AICTE) as Organizing Secretary on September 10-11, 2021.