

Dr. Anil Kumar Chandrakar

Associate Prof., Department of Chemical Engineering.

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Educational 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

Teaching and Industrial Experience

- Associate Professor in Department of Chemical Engineering, I.T., G.G.V. from 26 December 2019 to till date.
- Assistant Professor in Department of Chemical Engineering, I.T., G.G.V. from 18 June 2007 to 25 December.
- 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.

Research Guidance

M.Tech: 01 degree awarded and 01 ongoing

Ph.D. : 01 ongoing

Research Publications

National & International Journals: 08

National Conferences: 06

National/International Journal

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 effluent using copper electrode” *Journal of Water Process Engineering* **11** (2016) 1–7

National Conferences

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”, National Symposium on Modern trends in Chemical Sciences 2006, Kurukshetra University, Kurukshetra.
2. J. K. Pandey, **A. Chandrakar** and B. Munshi “CFD simulation of combustion of methane in cylindrical combustor” National Symposium on Reaction Engineering 2010, NIT, Raipur.
3. Sandeep Singh , Neeraj Chandraker and **A.K. Chandrakar**, Role of information communication technology in multi commodity.....case study Innovation and Research in Science, Management and Technology, Bilaspur University, Bilaspur March 29-30, 2016.
4. A.N. Joshi, Saurabh Meshram and **A. K. Chandrakar** , A Review :-Halophytes..... for green fuel production, Recent Advances in Biotechnology & Biofuels, Bilaspur University, Bilaspur, September 12-13, 2016
5. Vibha Verma Deshmukh, Neeraj Chandraker, R. S. Thakur and **A. K. Chandrakar** Kinetic studies ... bio adsorbent, Recent Advances in Biotechnology & Biofuels, Bilaspur University, Bilaspur, September 12-13, 2016

6. A.N. Joshi and **A. K. Chandrakar** Application of reactive extraction in food industries : A review, Indigenous foods: how to promote it , Bilaspur University, Bilaspur, April 19- 20, 2018

Seminar/Workshop Organized

- 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.

Administrative Responsibilities at GGV

- 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
- 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