

CURRICULUM VITAE

Mr.KARUNAKAR MAHALIK

At: Barajadeuli

Po:Rupakhanda

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EDUCATIONAL QUALIFICATIONS

- **M.Tech** Chemical Engineering-2007, secured **8.5 CGPA**
Indian Institute of Technology, Kharagpur
- **B.E.** Chemical Engineering- 1999, secured **61%**
National Institute of Technology, Rourkela, Orissa

WORK EXPERIENCE (Teaching: 11 years)

- **15.02.2012 to till date** **Principal**
Balasore school of Engineering, Balasore
- **01.07.07 to 10.02.2012** **Asst. Professor & Assistant Head**
Gandhi Institute of Engineering & Technology
Gunupur-765 022; Dist: Rayagada (Orissa)
- **15.07.2000 to 30.06.07** **Lecturer**
Chemical Engineering Department
Gandhi Institute of Engineering & Technology

PUBLICATIONS

- **Journal Publications**
International: 07+1=08
 1. "C.K. Singh, J.N. sahu, **K.Mahalik**, B.Rajmohan, C.R. Mohanty, B.C. Meikap, Studies on the Removal of Pb (II) from Wastewater by Activated Carbon Developed from *Tamarind Wood* Activated with Sulphuric Acid", *Journal of hazardous material* , **153,2007, 221-228**
 2. J.N sahu, **K.Mahalik**, A.V. patwardhan, B.C. Meikap, Equilibrium and Kinetic Studies on Hydrolysis of Urea for Ammonia Generation in a Semi batch reactor", *Industrial and Engineering Chemistry research*,**47,2008, 4689-4696**
 3. "J.N sahu, **K.Mahalik**, A.V. patwardhan, B.C. Meikap, Equilibrium Studies on Hydrolysis of Urea in a Semi Batch Reactor for Production of Ammonia to Reduce Hazardous Pollutant from Flue Gases", *Journal of Hazardous Material*, **2008, In Press**

4. **K.Mahalik**, J.N sahu, A.V. Patwardhan, B.C. Meikap, Kinetic studies on hydrolysis of urea at atmospheric for safe use of ammonia for flue gas conditioning of a thermal power plant.” *Journal of Hazardous Material*, 2010, 175,629-637
5. **K.Mahalik**, J.N sahu, A.V. Patwardhan, B.C. Meikap, Statistical modelling and optimization of hydrolysis of urea to generate ammonia for flue gas conditioning of a thermal power plant. *Journal of Hazardous Materia*,2010,in press
6. **K.Mahalik**, K.C. Biswal, Y.K. Mohanty, Response Surface Modelling and ptimization of Single Stage Fluidized Bed and Studies on Quality of Fluidization, **International journal of chemical engineering**, 2010, in press
- 7 **K.Mahalik** Y.K. Mohanty, K.C. Biswal, Central composit design and Optimization of secondary fluidized bed column for the improvement of quality of fluidization, *CHEMCON-2011*.
8. Y.K Mohanty, **K.Mohalik**, T.K. Dora, D.K. Samal, S.K. Bindhani, R.K. Padhi, Measurement and prediction of effective thermal conductivity of binary liquid mxture, **International journal of chemical engineering and research.**, 2, (2) 2010

RESEARCH PROJECT

- Received a grant from **AICTE under Career Award for Young Teacher worth Rs 10.5 lakhs on** Insitu Generation of ammonia for flue gas conditioning
- Working on the project entitled ‘**Creation of facility and Installation of facility in chemical engineering laboratory for the improvement of quality of fluidization in a multi stage fluidized bed column**’ Funded by AICTE, under MODROBS.
- Worked as a M.Tech Scholar on the project entitled ‘**Hydrolysis of urea to generate ammonia for FGC**’, Funded by NTPC New Delhi.

PAPRES PRESENTED AT SEMINARS/CONFEEENCES

- Presented a paper entitled “Reduction of NO_x from Flue gas- An overview” at the International Conference on Impact of Industrialization on Environmental Pollution—Its Control & Abatement conducted between 13 and 15 October 2006 at GIET, Gunupur
- Presented a paper entitled “ Production of Ammonia from urea for flue gs treatment” at the International Conference on Impact of Industrialization on Environmental Pollution— Its Control & Abatement conducted between 13 and 15 October 2006 at GIET, Gunupur
- Presented a paper entitled ‘ All we should know the quality assurances mechanism for the improvement of quality of technical education, in India, at the national seminar sponsored by NAAC conducted between 13-14th October, 2009 at GIET, gunupur.
- Presented a poster entitled” Response surface modeling and optimization of single stage fluidized bed column for the improvement of quality of fluidization. at RMC conducted by GIET, Gunupur between 6-9 march-2010.

- Presented a paper entitled “recent trends in core engineering at the national seminar conducted by GIIT Berhampur between 6-8 october 2010

ORGANIZATIONAL AND ADMINISTRATIVE EXPERIENCE

- **Documentation work:** Implementation of ISO 9001:2000, accreditation by NBA (AICTE) and NAAC (UGC) at GIET, Gunupur.
- **Asst. HOD, chemical engg.** All administrative work of the department
- **Convener, International Conference** on Impact of Industrialization on Environmental Pollution—Its Control & Abatement conducted between 13 and 15 October 2006 at GIET, Gunupur
- **Convener, Technical Committee for the National Seminar** on “ Utilization of Forest and Mineral Resources for Economic Growth” conducted on 20th October 2003 at GIET, Gunupur
- **Co-convener, National seminar on** Recent advances in Chemical Engineering(RACE-2010) conducted between 30-31 Jan-2010
- **Member, Central Disciplinary Committee,** GIET, Gunupur
- **Convener Departmental disciplinary committee**
- **Convener Anti Ragging Squad, GIET, Gunupur**
- **Technical Editor, Chemical News, GIET Gunupur**
- **Member, Campus Flash. GIET, Gunupur**

SUBJECT TAUGHT AT UG LEVEL

Heat Transfer Operation, Fluid mechanics, Process dynamic and control, Environmental engineering, Process Instrumentation, Process Modeling and Simulation etc.

PERSONAL PROFILE

- Father’s Name. Mr. Maguni Mahalik
- Date of Birth 28.02.1976
- Sex Male
- Marital Status Married with a daughter
- Nationality Indian
- Religion Hinduism
- Languages Known Oriya, English, Hindi and Bengali

- Strengths Sincerity, hardworking and punctuality
- Hobbies Reading and writing books & watching cricket