

## **Publication**

### **Research Papers Publication in International Journals based on Ph.D. Work**

1. Removal of MEK, Toluene and Xylene (MTX) from Air Using Modified Wood Charcoal Beads as Biofilter Media, Singh Sanjay, Sombhatla S.S., Rai BN, Singh RS, **World journal of environmental bioscience**, 2013, 2(1), 21-30.
2. Biodegradation of Vapor Phase Benzene Toluene and Xylene (BTX) using Compost Based Modified Biofilter Media, Sanjay Singh, B N Rai, J Verma and R S Singh, **Indian Journal of Biotechnology**, 2015, 14, 216-220.
3. Biofiltration of styrene using composite beads of compost as modified biofilter media, Singh Sanjay, Rai B.N, Singh R.S, **Research Journal of Chemistry and Environment**. (Accepted for publication).
4. Biofiltration of styrene using composite beads of wood charcoal compost as modified biofilter media, Singh Sanjay, Rai B.N, Singh R.S, **Research journal of Chemistry and Environment**. 2015, 19(9) 33-38.

### **Oral/Poster Presentation in International/National Conference**

1. Role of Environmental Biotechnology in Air pollution control: Review, Singh Sanjay, Shrivastava Ankita, Naidu Satish, Singh R.S., International Conference on Recent Trends in Engineering Technology, Bundelkhand Institute of Engineering & Technology, Jhansi, Feb 26-27, 2011.
2. Removal of MEK, Toluene and Xylene (MTX) from Air Using Modified Wood Charcoal Beads as Biofilter Media, Singh Sanjay, Sombhatla S.S., Rai BN, Singh RS, International Conference on New Horizon in Biotechnology, Trivandrum, Kerala. Nov 21-24, 2011.
3. Biodegradation of Vapor Phase Benzene Toluene and Xylene (BTX) using Compost Based Modified Biofilter Media, Singh Sanjay, Verma J, Rai BN, Singh RS. International Conference on Emerging Trends in Biotechnology, JNU, New Delhi. Nov 6-9, 2014.

## Personal Profile

**Name** : Sanjay Singh  
**Educational Qualification** : M.Tech/B.Tech-Chemical Engineering  
**Experience** : 4<sup>+</sup> Years in Chemical, Agrochemical, Pharmaceutical Industry  
**E-mail** : sanjay\_022000@yahoo.com ,saan02singh@gmail.com  
**Date of birth** : 20<sup>th</sup> September 1980  
**Permanent Address** : Village-Naudihawa, Post-SemaraBaraho, Distt-Mirzapur-(U.P)

### ACADEMIC QUALIFICATION

- **M.Tech in Chemical Engineering** from **I.T-BHU-Varanasi** passed with 78.7 % (**1<sup>st</sup> Division** with Honors) in 2004.
- **B.Tech in Chemical Engineering** from **BIET-Jhansi** passed with 68.90 % (**1<sup>st</sup> Division**) in 2002.
- 12<sup>th</sup> from U.P Board passed with 70.16 % (**1<sup>st</sup> Division**) in 1997.
- 10<sup>th</sup> from U.P Board passed with 70.40% (**1<sup>st</sup> Division**) in 1995.

### WORK EXPERIENCES

**1. Company** : **NUBERG ENGINEERING LIMITED.** Noida.

**Period** : From May-2013 July-2013

**Post** : Asst.Manager-Process.

- Job profile included mainly generation of process material and energy balances, Process calculation, Preparation of PFD, P&ID's, Process data sheet, calculation related to Line sizing, Heat Exchanger, pumps, compressor and other process equipments and Technical review of vendor document.

**2. Company:****JUBILANT ORGANOSYS LIMITED.**

(Previously known as **VAM ORGANICS AND CHEMICALS LTD.**)  
Gajaraula (U.P).

**Period** : From June-2007 to April-2010.

**Post** : Asst.Manager-Project.

### Achievements

- Worked on Basic Engineering for 30 MTD Acetic Acid Recoveries from Acetaldehyde Plant.(SEZ-BHARUCH)
- Worked on Basic Engineering for 50 MTD Sulphuric Acid-Project.(BanglaDesh)

- Activities included mainly generation of process material and energy balances, Process Simulation, Preparation of PFD, P&ID's, Process data sheet, Sizing and calculation related to Pipes, control valves, Heat Exchanger, pumps, compressor and other process equipment and Technical review of vendor documents.

**3. Company** : **CADILA PHARMACEUTICALS LIMITED.**  
Ankleshwar, Gujarat.  
Period : From October-2006 to June-2007.  
Post : Senior Officer-Technical Service.

**Achievements**

- Job Profile included mainly generation of process material and energy balances, Preparation of PFD, P&ID's, Process data sheet, Sizing and calculation related to Pipes, control valves, Exchanger, pumps, compressor and other process equipment and Technical review of vendor documents.

**4. Company** : **BILAG INDUSTRIES (p) LIMITED.**  
Gujarat.  
(Bayer Crop Science Group company-German MNC)  
Period : From August-2005 to October-2006.  
Post : Trainee-Engineer

**Achievements**

Handled production of Tetra butyro-nitrile, Tetra butyric acid, Tetra butyric acidic chloride.

**Computer Proficiency**

**Applications/Software** : *SAP, Auto CAD, MS Windows/ Office, Aspen, Hysis Excel Based Programming.*

**Extra Curricular Activities**

- **GATE** – Qualified with **95.6%**<sup>1c</sup> (All India Rank-289)
- Won many prizes for singing and dancing.

Yours truly

**(Sanjay Singh)**