

Ravindra S Waghmare

**B18, Sandhya, RH23
Sudama Nagar, MIDC
Dombivli(E) INDIA 421 203
Phone: (0091)-2512-430970
E-mail: rswaghmare@gmail.com
cona1@vsnl.net**

SUMMARY

Here is a technocrat who progressively graduated to work on more and more complex problems. After learning the basics of Production and Project Management on job, I decided to spend the time between solution generating phases, to teaching Chemical Engineering students. I hope to get more mathematical and modeling problems.

- 2 years of troubleshooting assignments in pulp and paper manufacture.
- 5 years of MIS and Projects in Polyester Film manufacture.
- 2 years of Project Implementation work in Oleo Resin manufacture.
- 5 years of Production and Projects in alcohol based chemicals.
- 2 years of Projects in Antibiotic manufacture.
- 10 years of Academic experience in under-graduate instruction.

PROFESSIONAL EXPERIENCE

COMPANY	POST	YEAR
Central Pulp Mills, Surat	Astt Mangr	1978-79, 81-83
Garware Polyester, Aurangabad	Supdt Development	1983-88
Bombay Oil Ind, Cochin	Tech Executive	1988-89
Vam Organic Chem, Delhi	Mgr Production	1989-94
Cepharm Organics, Delhi	GM Projects	1994-96
TS Engg College, Mumbai	Reader	1996-present

EDUCATION

PhD in Chemical Engineering, IIT Bombay, India, expected 2006
MS in Chemical Engineering, Purdue University, West Lafayette, IN USA 1981
B.S., Chemical Engineering., IIT Bombay, India, 1978

ACHIEVEMENTS

- 1) Development of Process for Mustard Flavour:
Process was successfully scaled up from lab scale to plant scale.
- 2) Manufacturing Process for Mono Chloro Acetic Acid
Technology transfer from IICT, Hyderabad, Coordination of Basic and Detailed Engineering.
- 3) Control of Pyrogen in Antibiotic Production
Pyrogens were controlled within acceptable limits to make Bulk Drugs suitable for injectable quality drug.

4) Development of Process for 99%+ Methyl Acetate

Azeotrope of Methanol and Methyl Acetate was converted to 99% pure Methyl Acetate by adapting Reactive Distillation technology.

5) Control of Solvent Losses

Control of solvent losses in solvent extraction and bulk drug plants.

6) Production in Distillery and Carbon Dioxide Plants

Production, Efficiency control and Supervision of 12 Engineers/Chemists and 30 workers.

7) Publications:

Isothermal PFR/PMR Networks

International Journal of Chemical Reactor Engineering, vol 4, A 12, March 2006.

Nonisothermal Reactor Network for van de Vusse Reaction

International Journal of Chemical Reactor Engineering, vol 3, A 3, March 2005.

Reduce solvent emissions

Chemical Engineering, Feb 2000.

Isothermal Reactor Operation

I&EC (Fund) July 1981

TECHNICAL SKILLS

Process Familiarity:

Paper and Pulp from Bamboo, Biaxially Oriented Polyester Film, Solvent Extraction of Spices, Molasses Distillery, Dry Ice and Liquid CO₂, Injectable Antibiotics

Hardware Designed and Operated:

Multiple Effect Evaporators, Dehumidifiers, Dryers, Radiators, Heat Exchangers, Pumps, Compressors, Ejectors, Distillation Columns, Vessels

Computer Tools Familiarity:

Design II, Aspen Plus, MATLAB, Microsoft Office