RESUME

Suresh Kumar R

Email: sureshrs02@gmail.com

M.Tech (Chemical Engineering)   Mobile: **+91 9757418772**

Educational qualification:

Degree	Specialization	College/University	Year of Passing	Percentage / CGPA
PhD	Chemical Engg.,	IIT Bombay	Pursuing	6.67
M.Tech	I.P.C	NITK Surathkal	July-2010	8.11
BE	Chemical Engg.,	SIT Tumkur/VTU	July-2007	70.34
Diploma	Chemical Engg.,	SJP Bangalore/Technical	June-2004	70.55
SSLC	Science	SCHS Ammanallur/KSEEB	April-2000	67.36

M.Tech Project

<u>Title:</u> Synthesis and Characterization of Temperature-Sensitive Poly (N-isopropylacrylamide) Micro/ Nano hydrogel.

<u>Description:</u> Hydrogels are three-dimensional network of hydrophilic polymer chains that are cross linked through either chemical or physical bonding. The main applications of these hydrogels are found in the field of Bio-medication, drug delivery. The project comprises of synthesis of hydrogel sheets by using different ratios of monomer, initiator and cross linker. The characterization of the hydrogel sheets by measuring deswelling ratio's and scanning electron microscopy (SEM) analysis, the second objective is synthesis of Nano/Micro hydrogel particles and their characterization. The characterization of nano hydrogels was done by particle size analyser and SEM. The third objective is study of dye release kinetics of Micro/Nano hydrogels.

Academic Projects till M.Tech
1. Rapid removal of Cobalt (II) ions from aqueous solution using cuttlefish shell; Equilibrium, Kinetics, Thermodynamic study-M.Tech, Minor project
2. Microwave assisted transesterification of Karanja oil and Rice Bran oil and performance test in CI engine.-B.E project
3. Fabrication and Performance analysis of Tray Drier-Diploma project

Industrial Training:
1. Training undergone in KEERTHI CHEMICALS (Bangalore) Pvt. Ltd. For a period of One month.
   - Working of the Equipments
   - Manufacturing Process of Sulphuric Acid by DCDA process.

Industrial experience:
Duration: September 24, 2007 to July 09,2008
Worked as a Management Trainee for a period of one year with **Cipla Limited, Bangalore** in the department of Bulk Drugs production (100% EOU).
Job responsibilities:
1. Process handling, shift handling, documentation, shift incharge
2. Production target execution on monthly basis and production planning
3. Solving process related queries, trouble shooting and estimation of process deviation
4. Monitoring housekeeping, foreman training, updating sops and daily checklists

Computer skills:
MS Office, C programming, Auto cad, Matlab, Aspen plus, DL_Poly (pursuing).

Languages known:
Kannada: reading, writing, speaking
English: reading, writing, speaking
Hindi: reading, writing, speaking
Telugu: reading, speaking

Achievements:
➢ Won Ambuja's Young Researcher's award from IICHE on 27-12-2010.
➢ Won best project award for "Microwave assisted transesterification of Karanja oil and Rice Bran oil and performance test in CI engine" competition organized by IIChE, held at MVJCE, Bangalore.

Extracurricular activities:
➢ Won first prize in aquatics competition held at IIT Bombay on 03 Sep, 2010.
➢ Won second prize in aquatics competition held at NITK Surathkal on 14 Dec, 2009 (All India Inter NIT sports meet).
➢ Paper presented on "Synthesis and Characterization of PNIPA Hydrogels" held at MVJCE Bangalore on 10 and 11 Jan, 2010.
➢ Actively participated in "Theme Workshop on Emerging Trends in Environmental Biotechnology" held during 12-14 January 2009 at NITK Surathkal.

Publications:

JagadeeshBabu, P.E., **Suresh Kumar, R**. and Maheswari, B., "Synthesis and characterization of temperature sensitive P-NIPAM macro/micro hydrogels." Colloids and Surfaces A: Physicochemical and Engineering Aspects **384**(1-3), 466-472.

Hobbies and interests:
Reading books, playing cricket, swimming.

Personal Profile:

Father name	:	Late. Rajanna
Date of birth	:	10 Mar 1984
Sex	:	Male
Marital status	:	Single
Permanent Address	:	Chickondahalli village
		Hindiganala post, Hoskote taluk
		Bangalore-562 122, Karnataka
Willing to travel	:	Yes
Willing to relocate	:	Yes