

Name: Dr. V. Ravi Kumar

Division: Chemical Engineering and Process Development Division

Email: v.ravikumar@ncl.res.in

Phone: 020-2590-2161

Fax: 020-2590-2612



Education and experience

- PhD, National Chemical Laboratory, (1983)
- Post doctoral fellowship Texas A&M University, USA (1984-85)
- Presently Chief Scientist at National Chemical Laboratory (NCL)

Achievements

- Carried out research leading to peer reviewed publications in interdisciplinary journals in Chemical Engg., Chemistry, Physics and Biology. Journals include *Chem. Engg. Sci.*, *AIChE J.*, *Ind. Eng. Chem.*, *Physical Review E*, *J. Chem. Phys.*, *J. Industrial Microbiology & Biotechnology*, *Process Biochemistry* etc.
- US and Indian Patents have been licensed to foreign companies and is a noteworthy CSIR achievement
- Awarded NCL Scientist of the Year Award 2002 by NCL Research Foundation

Research subjects:

- Chemical engineering
- Physical Chemistry
- Biological systems modeling

Research Areas

- Nonlinear dynamics, pattern recognition, feature extraction, reactor modeling and simulation, process optimization and control

Recent publications

- R. Rajasree, V. Ravi Kumar*, and B. D. Kulkarni (2006), *Energy and Fuels*, **20**, 463-472.
- S.S. Deshpande, J.B. Joshi, V. Ravi Kumar*, B.D. Kulkarni, *Chem. Eng. Sci.*, (2008), **63**: 5330-5346
- S.S. Deshpande, J.B. Joshi, V. Ravi Kumar*, *Ind. Eng. Chem.* (2009) 9628-9440
- Sagar S. Deshpande, M.V. Tabib, J.B. Joshi, V. Ravi Kumar*, *J. of Turbulence*, (2010) DOI: 10.1080/14685241003662668
- K. Bhasvar, V. Ravi Kumar, J. Khire, *J. Ind. Microbiol. Biotech.* (2011), **38** 1407-1417