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Education and experience

- Ph.D. (Chemical Engineering)
- Twenty four years of R & D experience and two years of industrial experience.

Achievements

- Sisir Kumar Mitra Memorial Award and IChE NRC Award for Second Best Technical Paper published in Indian Chemical Engineer(CHEMCON-2011)

Research subjects:

- Modelling, Simulation and Optimization

Research Areas

- Process Modelling and Optimization
- Process Control
- Application of Artificial Intelligence Technique to Engineering/Science Problem.

Recent publications

1. Purification of Lactic Acid via Esterification of Lactic Acid Using a Packed Column, Followed by Hydrolysis of Methyl Lactate Using Three Continuously Stirred Tank Reactors (CSTRs) in Series: A Continuous Pilot Plant Study, Sanjay P. Kamble, Prashant P. Barve, Jyeshtharaj B. Joshi, Imran Rahman, and Bhaskar D. Kulkarni , *Ind. Eng. Chem. Res.*, 2012, 51, 1506–1514.
2. Optimization of the production of a maltooligosaccharides producing amylase from the alkalophilic *Streptomyces lonarensis* strain NCL 716 using SVR Modeling., Trupti K Sharma, Vaibhav A Bhadane, Lalitha S Kumar, Meenakshi V Rele Gajanan Bhawar, Imran Rahman, *Starch*, vol. 65(1-2),179-185, January,2013.
3. Optimization of Continuous Extraction Column and Solvent Selection Using Differential Evolution Technique, Ubaidullah S., Rishabh Upadhyay, S. A. Raut, Imran Rahman, *J. Inst. Eng. ( India) Ser. E-Springer, Journal of The Institution of Engineers (India): Series E* , August 2012, Volume 93, Issue 1, pp 49-54. DOI [10.1007/s40034-012-0004-3](https://doi.org/10.1007/s40034-012-0004-3).
4. Design of decanter in heterogeneous Azeotropic distillation column by minimizing Gibbs free energy, Imran Rahman, Ubaidullah S., Anwesh Kr. Das, *Asia Pacific Journal of Chemical Engineering*, Article first published online: 18 MAR 2013 | DOI: [10.1002/apj.1728](https://doi.org/10.1002/apj.1728)