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- Education and experience
- Scientist (Chemical Engineering) at NCL, Pune, India, 2008 – present
 - Postdoc (Physics Dept) at Clark University, Worcester, MA, USA, 2004 – 2007
 - Ph.D. (Chemical Engineering) at IIT Bombay, Powai, Mumbai, India, 2004
 - M.Tech. (Chemical Engineering) at IIT Bombay, Powai, Mumbai, India, 1998
 - B. E. (Petro-Chem. Engg.), Pune University, Pune, India, 1995
- Achievements
- R. G. Manudhane Ph. D. Student Excellence Award for the year 2003-04, for the most outstanding Ph. D. Thesis in the department of Chemical Engineering at IIT Bombay.
- Research Subjects
- Chemical Engineering
 - Theory, Computation and Modeling
- Research Areas
- Shear induced dynamics and micro-structure evolution of powder materials in presence of a viscous interstitial liquid
 - Micro-rheology study of the flow of neutrally buoyant suspensions and slurries in different geometries
 - Flow through porous media, mixing, segregation/pattern formation and jamming events in flowing granular materials, drop formation in a co-flowing fluids
- Recent publications
- A. V. Orpe, C. H. Rycroft and A. A. Kudrolli, AIP Proceedings of IUTAM-ISIMM Symposium MPG09, Reggio Calabria, Italy, J. Goddard, J. T. Jenkins, P. Giovine (ed.), **1227**, 221 (2010)
 - C. Rycroft, A. V. Orpe and A. Kudrolli, Phys. Rev. E, **80**, 031305 (2009).
 - A. V. Orpe, V. Kumaran, A. Reddy and A. Kudrolli, Eur. Phys. Lett., **84**, 64003 (2008).