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- Education and experience
- PhD, The university of British Columbia, Vancouver Canada
 - Research Associate: National Research Council Canada, Ottawa
 - M.S. Chemical Engineering, IISc, Bangalore
 - B.E. Chemical Engineering, Pt. RSU, Raipur
- Research subjects:
- Chemical Engineering
- Research Areas
- Gas Hydrates (Formation, Inhibition and Recovery)
 - Carbon dioxide capture, storage & utilization Area3
 - Hydrogen storage materials
 - Process development and scale-up of fine chemicals
- Recent publications
- Adeyemo, A., Kumar, R., Linga, P., Ripmeester, J., Englezos, P. **2010** "Capture of carbon dioxide from flue or fuel gas mixtures by clathrate crystallization in a silica gel column." International Journal of Green House Gas Control, 4, 478-485
 - Seo, Y., Lee, J-W., Kumar, R., Moudrakovski, I., Lee, H., Ripmeester, J. A. **2009** "Tuning the Composition of Guest Molecules in Clathrate Hydrates: NMR Identification and Its Significance to Gas Storage" Chem.Asian J., 1266–12744.
 - Kumar, R., Lang, S., Englezos, P., Ripmeester, J. A. **2009** "Application of the ATR-IR spectroscopic technique to the characterization of hydrates formed by CO₂, CO₂/H₂ and CO₂/H₂/C₃H₈" J Phys. Chem. A, 113, 6308–6313
 - Kumar, R., Moudrakovski, I., Ripmeester, J. A., Englezos, P. **2009** "Structure and composition of CO₂/H₂ and CO₂/H₂/C₃H₈ hydrate in relation to simultaneous CO₂ capture and H₂ production" AIChE J. 55, 1584-1594.
 - Kumar, R., Linga, P., Moudrakovski, I., Ripmeester, J. A., Englezos, P. **2008** "Structure and kinetics of gas hydrates from methane /ethane/ propane mixtures relevant to the design of natural gas hydrate storage and transport facilities" AIChE J., 54, 2132-2144.