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Subjects	Theoretical Chemistry/ Chemical Physics	
Education and experience	<ul style="list-style-type: none">• Ph.D. Chemistry (1985), IACS, Kolkata• Post Doctoral studies (1986-1987), University of Florida, USA• Scientist, Physical Chemistry Division, NCL (1982-2010)• Director, National Chemical Laboratory (2010 onwards)	
Achievements	<ul style="list-style-type: none">• Shanti Swarup Bhatnagar Prize in Chemical Sciences, 2000• JC Bose National Fellowship of DST, 2008• Chemical Research Society of India Silver Medal, 2009• Fellow of the Indian National Science Academy, 2003• Fellow of the National Academy of Sciences, 1998• Fellow of the Indian Academy of Sciences, Bangalore, 1996• Elected as a Fellow of the Royal Society of Chemistry, 2011	
Research Area	Theoretical Chemical Physics with specialization in quantum chemistry; Computational Material Science	
Recent publications	<ul style="list-style-type: none">• R. Lalitha, Debarati Bhattacharya, Nayana Vaval and Sourav Pal, Fock-space multi-reference coupled-cluster response with the effect of triples on dipole moment of ClO and SF radicals, J. Chem. Sci. (2012) (In Press).• R. Lalitha, Nayana Vaval and Sourav Pal, "Effect of triples to dipole moments in Fock-space multireference coupled cluster method", J. Chem. Theory and Computation 7 (2011), 876-883.• H. S. De, Sailaja Krishnamurthy and Sourav Pal, "Understanding the reactivity properties of Au_n (6 ≤ n ≤ 13) clusters using density functional theory based reactivity descriptors", J. Phys. Chem C, 114, (2010) 6690-6703.• Tuhina Adit Maark and Sourav Pal, "A Model Study of Effect of M = Li⁺, Na⁺, Be²⁺, Mg²⁺, and Al³⁺ Decoration on Hydrogen Adsorption in Metal Organic Framework MOF-5", Int. J. Hydrogen Energy 35 (2010) 12846-12857• S. Banik, Sourav Pal and M. D. Prasad, "Calculation of vibrational transition matrix elements and dipole moment expectation values by coupled cluster method", J. Chem. Theory and Computation 6, (2010) 3198-3204.	