List of Publications

I. In Refereed Journals:

1. H. C. Sheth, J. S. Ray, R. Ray, L. Vanderklusen, J. J. Mohany, **A. kumar**, A. D. Shukla and others: *Geology and geochemistry of Panchmarhi dykes and sills Satpura Gondwana Basin, central Indiaproblems of dyke-sill-flow correlations of deccan Traps, Contributions to Mineralogy and Petrology*, **158**, 357-380, 2009

2. H. C. Sheth, J. S. Ray, R. Bhutani, **A. Kumar**, R. S. Smitha : *Volcanology and eruptive history of the Barren Island volcano, Andaman Sea, Bulletin of Volcanology* , **71**, 1021-1039, 2009

3. H. C. Sheth, J. S. Ray, R. Bhutani**, A. Kumar**, N. Awasthi : *The latest (2008-09) eruption of Barren Island volcano, and some thoughts on its hazards, logistics, and geotourism aspects, Current Science,* vol. **98** no 5 , 620-626, 2010

4. N. Awasthi, J. S. Ray, A. H. Laskar , **A. Kumar** , M. Sudhakar, R. Bhutani H. C. Sheth & M. G. Yadava : *Major ash eruptions of Barren Island volcano (Andaman Sea) during the past 72 kyr: clues from a sediment core record, Bull Volcanol,* **72**: 1131-1136, 2010

5. H. C. Sheth, J. S. Ray, **A. Kumar**, R. Bhutani, N. Awasthi : *Toothpaste lava from Barren Island Volcano (Andaman Sea), Journal of Volcanological and Geothermal Research*, **202**, 73-82, 2011

6. **A. Kumar**, J. S. Ray and others: *Fluid and sediment contributions to Barren Island lavas: constraints form geochemistry, Journal of Petrology* (In preparation)

7. **A. Kumar**, J. S. Ray and others: *Geochemistry of Mud Breccia and Water from Mud Volcanoes of Andaman Island, Applied Geochemistry* (In preparation)

II. In Proceedings/Abstracts of Symposium/Conference:

1. **A. Kumar**, J. S. Ray and R. Bhutani: *Fluid and sediment contributions to Barren Island lavas: constraints form geochemistry 14th ISMAS symposium cum workshop on mass spectrometry*, November 7-11, 2011, Munnar, 245-248, ISBN 978-81-904442-4-8.

2. **A. Kumar** and J. S. Ray*: Geochemistry of lavas from Barren Island Volcano, Andaman Sea, Goldschmidt conference abstract 2010, Geochem Cosmochem. Acta*, A **554**, 2010

3. **A. Kumar** and J. S. Ray: *Geochemistry of Mud Breccia and Water from Mud Volcanoes of Andaman island* **SE05**-A023 AOGS 2010

4. **A. Kumar**, J. S. Ray and A. D. Shukla: *Geochemical studies of mud samples from mud volcanoes of Andaman Islands, India. International Conference on "Terrestrial Planets: Evolution through Time"* January 22-25, 2008 PRL Ahmedabad

5. **A. Kumar**, D. K. Rao and S. K. Bhattacharya: *Oxygen and Hydrogen isotopic compositions of water from few selected Himalayan rivers, India 12th ISMAS symposium cum workshop on mass spectrometry,* March 25-30, 2007, Goa, ISBN 81-7525-056-9.