

Curriculum Vitae

Name : **Mohan K.**
Date of Birth : 25.06.1980
E mail : geomohan@gmail.com
mohank@gg.iitkgp.ernet.in

Academic carrier

- M.Sc., (Applied Geology), Department of Earth Sciences, Pondicherry University, Puducherry, 2003.
- B.Sc., (Geology), National College, (Bharathidasan University), Tiruchirappalli, 2001.

Academic Achievements

- Published article in **Nature geoscience** (Laurels and distinctions by the faculty and student, 289th Senate meeting, Annexure-A)
- Institute Research Scholar with Assistantship, Indian Institute of Technology, Kharagpur (2005-2009).

Publications in refereed journals

- ✓ **Kuppusamy Mohan**, Anil K Gupta and Ajoy K Bhaumik. 2010. Distribution of deep-sea benthic foraminifera in the Blake Ridge, NW Atlantic Ocean during the late Neogene. (Submitted to *The Journal of Micropaleontology*).
- ✓ Anil K Gupta, **Kuppusamy Mohan** and Ajoy K Bhaumik. 2010. Deep-sea benthic foraminifera from methane-rich settings of the Blake Ridge, NW Atlantic Ocean during the late Neogene. (Submitted to *Central European Journal of Geosciences*).
- ✓ **Kuppusamy Mohan** and Anil K Gupta. 2010. Intense deep convective mixing in the Southeast Arabian Sea linked to strengthening of the NE Indian monsoon during the middle Pliocene (3.4 Ma). (Submitted to *Palaeogeography, Palaeoclimatology, Palaeoecology*).
- ✓ Cyrus Karas, Dirk Nürnberg, Anil K. Gupta, Ralf Tiedemann, **Kuppusamy Mohan** and Torsten Bickert. 2009. Mid-Pliocene climate change amplified by a switch in Indonesian subsurface throughflow. *Nature Geoscience*, 2(6), 434-438.
- ✓ Anil K. Gupta, M. Sundar Raj, **K. Mohan** and Soma De. 2008. A major change in monsoon-driven productivity in the tropical Indian Ocean during ca 1.2-0.9 Myr: Foraminiferal faunal and stable isotope data. *Palaeogeography, Palaeoclimatology, Palaeoecology*, 261, 234-245.
- ✓ Ajoy K. Bhaumik, Anil K. Gupta **K. Mohan** and R.K. Singh. 2008. Disappearance of *Stilostomella lepidula* (Schwager) across the mid-Pleistocene Transition and its paleoceanographic implication. *Current Science*, 94 (6), 758-764.
- ✓ Ajoy K. Bhaumik, Anil K. Gupta, M. Sundar Raj, **K. Mohan**, Soma De, and Sudipto Sarkar. 2007. Paleoceanographic evolution of the northeastern Indian Ocean during the Miocene: evidence from deep sea benthic foraminifera (DSDP Hole 216A). *Indian Journal of Marine Sciences*, 36, 332-341.

Chapter contributed to book

- ✓ M. Sundar Raj, Soma De, **K. Mohan** and Anil K. Gupta. 2009. Benthic foraminifer *Uvigerina proboscidea* as a proxy for winter monsoon (late Pliocene to Recent):

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DSDP Site 219, northwestern Indian Ocean. *Geo-Environment: Challenges Ahead*, pp. 311-318. **Publisher:** Macmillan Publisher India Ltd., 2009

International Conferences

- ✓ Anil K. Gupta, Rasik Ravindra, **K. Mohan**, Sudipta Sarkar, Baidehi Mukherjee, M. Prakasam and Sushant Murmu. 2010. Climate variability in the northern Indian Ocean since the Last Glacial Maximum. *Asia Oceania Geosciences Society (AOGS)*, Hyderabad.
- ✓ Anil K. Gupta, Sudipta Sarkar, **Kuppusamy Mohan**, Steven C. Clemens, Rajesh K. Uttam, Sushant Murmu, Soma De, A. Velu, Moumita Das and Baidehi Mukherjee. 2009. Centennial to millennial scale rhythms in the Indian monsoon as observed in the northwestern Indian Ocean during the late Quaternary and the Holocene. *Corvallis Open Science Meeting (OSM)*.
- ✓ **Kuppusamy Mohan** and Anil K Gupta. 2008. Deep-sea benthic foraminifera and TOC from gas hydrate sequence of Ocean Drilling Program Holes 991A and 995A, Blake Ridge, NW Atlantic. *GEO INDIA-2008, International Conference & Exhibition at EXPO XXI*, Greater Noida, India.
- ✓ Karas, C., Nürnberg, D., Gupta, A., **Mohan, K.**, Tiedemann, R. 2008. Rapid change in Indonesian Throughflow waters across 3.4-3 Ma as a main contributing factor for global climate change. *EGU General Assembly, Vienna. (Poster presented)*
- ✓ Karas, C., Nürnberg, D., Gupta, A., **Mohan, K.**, Tiedemann, R. 2008. The rapid constriction of the Indonesian Gateway across 3.4-3 Ma as a main contributing factor for global climate change. *IODP-ICDP Kolloquium, Hannover. (Poster presented)*
- ✓ M. Sundar Raj, Soma De, **K. Mohan** and Anil K. Gupta., 2007. Switch in monsoon pattern from winter dominated to summer dominated at ~1.2 MA: DSDP Site 219, Leg 23. *International Conference on "Celebrating the Monsoon"*, Indian Institute of Science, Bangalore.
- ✓ M. Sundar Raj, Soma De, **K. Mohan** and Anil K. Gupta., 2007. Benthic foraminifer *Uvigerina proboscidea* as a proxy for winter monsoon (late Pliocene to Recent): DSDP Site 219, northwestern Indian Ocean. *International conference on Geo-Environment: Challenges Ahead* at Jammu.
- ✓ Anil K. Gupta, **K. Mohan** and Raj K. Singh., 2006. Abrupt increase in the mixed-layer thickness driven by the constriction of Indonesian Seaway during 3.2-2.75 Ma: A precursor to North Atlantic glaciations. *International Conference on Influence of Indonesian Throughflow variability on Tropical Indian Ocean*, Institute of Geosciences, Kiel, Germany.
- ✓ A K Bhaumik, A K Gupta, M Sundar Raj and **K. Mohan.**, 2005. Why was gas hydrates accumulated in the Blake Ridge plateau?. *International Symposium on Applied Geochemistry in the evaluation and management of onshore and offshore Geo-Resources*, Hyderabad, India.

National Conference

- ✓ **Kuppusamy Mohan** and Anil K. Gupta., Late Neogene Deep-sea benthic foraminifera from the Blake Ridge, NW Atlantic (ODP Holes 991A & 995A). 2009. *XXII Indian Colloquium on Micropaleontology and Stratigraphy (ICMS)*, Tiruchirappalli, Tamil Nadu.