

DR. SUDIPTA SARKAR, WIHG, DEHRADUN, INDIA



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RESEARCH GROUP: PALEOCLIMATE

FIELD OF SPECIALIZATION: PALEOCLIMATOLOGY, PALEOLIMNOLOGY, MICROPALAEONTOLOGY

EDUCATION :

(Details of educational qualifications starting from the most recent ones.)

Ph. D. 2009, Micropaleontology, Paleooceanography & Paleoclimate (Applied Geology), IIT Kharagpur

M. Sc. 2002, Applied Geology, Jadavpur University, Kolkata

B. Sc. 2000, Geology, University of Calcutta, Kolkata

PROFESSIONAL EXPERIENCE:

(Details of professional experience starting from the most recent position.)

Scientist- B, Wadia Institute of Himalayan Geology, Dehradun, India (August 2011-to date)

Assistant Professor, Rajiv Gandhi Institute of Petroleum Technology, Rae Bareli, India (Sep. 2010-July 2011)

Research Associate, Rajiv Gandhi Institute of Petroleum Technology, Rae Bareli, India (Dec. 2009-Aug. 2010)

Geologist (Quality control & Mines), Electrosteel Castings Ltd., Kolkata (Oct. 2003-March 2004)

Geologist (Quality control & Project Management), SGS India Pvt. Ltd., Kolkata (March 2003-Aug. 2003)

VISITING POSITIONS: -NA-

TEACHING EXPERIENCE:

Assistant Professor & Research Associate , Rajiv Gandhi Institute of Petroleum Technology, Rae Bareli, India (Dec. 2009 – Jul. 2011)

SERVICES:

a. Supervision/Guidance to Ph.D. Students: -NA-

b. Training: Internship projects for 08 students

c. Teaching: Ph.D. course work teaching to W.I.H.G. students

d. Membership: Life Member of Himalayan Geology

e. Editorial Board: -NA-

f. International/National Seminars/Workshop: Several

g. External Research Fund received & Project Handled: -NA-

h. Member of important Committees: -NA-

AWARDS/FELLOWSHIPS/HONORS/MEMORIAL LECTURES:

a. Awards/Medals/Prizes: -NA-

b. Fellowships: -NA-

c. Memorial Lectures: -NA-

d. Recognition/Honors: -NA-

COUNTRIES VISITED:

Vienna, Austria: European Geosciences Union (EGU) General Assembly 2012 during April, 2012

NATIONAL/INTERNATIONAL (outside WIHG) COLLABORATION: -NA-

Inside WIHG Collaborator: Collaboration with researchers from different research groups

PATENT: -NA-

SCHOLARSHIPS AWARDED, GATE

PH.D. ADVISOR: -NA-

LIST OF PUBLICATIONS

(a) SCI Papers

(12) Meena, N. K., Prakasam, M., Bhushan, R., **Sarkar, S.**, Diwate, P. and Banerji, U. S., **2017**. Last five decade heavy metal pollution records from the Rewalsar Lake, Himachal Pradesh, India . *Environmental Earth Sciences*, 76:39; DOI 10.1007/s12665-016-6303-0. (**Impact Factor: 1.765**)

(11) **Sarkar, S.**, Agrawal, S. and Meena, N. K., **2016**. Late Quaternary paleoclimatic oscillation in the Ganga Plain, India during ~59 - 26 ka decoded from river cliff sediment archive. *Himalayan Geology*, 37, 2, 105-112. (**Impact Factor: 0.314**)

(10) **Sarkar, S.**, Prakasam, M., Banerji, U. S., Bhushan, R., Gaury, P. K. and Meena, N. K., **2016**. Rapid sedimentation history of Rewalsar Lake, Lesser Himalaya, India during the last fifty years - Estimated using ¹³⁷Cs and ²¹⁰Pb dating techniques: A comparative study with other North-Western Himalayan Lakes. *Himalayan Geology*, 37, 1, 1-7. (**Impact Factor: 0.314**)

(9) **Sarkar, S.** and Gupta A.K., **2014**. Late Quaternary productivity changes in the equatorial Indian Ocean (ODP Hole 716A). *Palaeogeography, Palaeoclimatology, Palaeoecology (Palaeo 3; Elsevier)*, 397, 7-19, <http://dx.doi.org/10.1016/j.palaeo.2013.12.002>. (**Impact Factor: 2.525**)

(8) Gupta A. K., Mohan K., **Sarkar S.**, Clemens S. C., Ravindra R. and Uttam R. K., **2011**. East-West similarities and differences in the surface and deep northern Arabian Sea records during the past 21 Kyr. *Palaeogeography, Palaeoclimatology, Palaeoecology (Palaeo 3; Elsevier)*, 301, 75 - 85, doi:10.1016/j.palaeo.2010.12.027. (**Impact Factor: 2.525**)

(7) Gupta A. K., **Sarkar S.**, De S., Clemens S. C. and Velu, A. , **2010**. Mid-Brunhes Strengthening of the Indian Ocean Dipole caused increased equatorial East African and decreased Australasian rainfall. *Geophysical Research Letters*, 37, L06706, doi:10.1029/2009GL042225. (**Impact Factor: 4.212**)

(6) De S., Sarkar S. and Gupta A. K., 2010. Orbital and suborbital variability in the equatorial Indian Ocean as recorded in sediments of the Maldives Ridge (ODP Hole 716A) during the past 444 Kyr. *Geological Society, London*, 342, 19 - 29, doi:10.1144/SP342.3. (Impact Factor: 2.473)

(5) Sarkar S. and Gupta A. K., 2009. Deep-sea paleoceanography of the Maldives Islands (ODP Hole 716A), equatorial Indian Ocean during MIS 12 - 6. *Journal of Biosciences (Springer)*, 34, 5, 749 - 764. (Impact Factor: 1.419)

(4) Sarkar S., De S. and Gupta A. K., 2009. Late Quaternary benthic foraminifera from Ocean Drilling Program Hole 716A, Maldives Ridge, southeastern Arabian Sea. *Micropaleontology*, 55, 1, 23 - 48. (Impact Factor: 0.696)

(3) Sarkar S. and Gupta A. K., 2008. Five new species of benthic foraminifera from upper Pleistocene sequence of ODP Hole 716A, Maldives Ridge, equatorial Indian Ocean. *Micropaleontology*, 54, 2, 176 - 184. (Impact Factor: 0.696)

(2) Bhaumik A. K., Gupta A. K., Sundar Raj M., Mohan K., De S. and Sarkar S., 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, 4, 332 - 341. (Impact Factor: 0.316)

(1) Gupta A. K., Sarkar S. and Mukherjee B., 2006. Paleoceanographic changes during the past 1.9 Myr at DSDP Site 238, Central Indian Ocean Basin: Benthic foraminiferal proxies. *Marine Micropaleontology*, 60, 157 - 166. (Impact Factor: 1.859)

(b) Non-SCI Articles: -NA-

(c) Chapter in Books: -NA-

(d) Books-authored/Edited volume: -NA-

(e) Abstract volume: -NA-

(f) Reports/Other Documents: -NA-

(g) Articles in Proceeding Volumes: -NA-