

## **LIST OF PUBLICATIONS**

### **Research papers in referred journals**

1) Isotopic and Sedimentological clues to productivity change in Late Riphean Sea: A case study from two intracratonic basins of India.

P.P.Chakraborty, A. Sarkar, S.K. Bhattacharya, **P. Sanyal** .*Proc. Indian Acad. Sci. (Earth Planet Sci.)* v. 111 No.4 December 2002, pp 379-390.

2) Mio-Pliocene monsoonal record from Indian Himalayan Foreland basin (Siwalik) and its relation to vegetational change. **Prasanta Sanyal**, S.K. Bhattacharya, Rohtash Kumar, Sumit K. Ghosh, S.J. Sangode. *Palaeogeography, Palaeoclimatology, Palaeoecology*. v.205, 2004, pp 23-41.

### **Manuscript under revision**

1) Paleovegetational reconstruction in Late Miocene: a case study based on early diagenetic carbonate cement from Indian Siwalik. **Prasanta Sanyal**, S.K. Bhattacharya, Rohtash Kumar, Sumit K. Ghosh, S.J. Sangode. Under revision in *Palaeogeography, Palaeoclimatology, Palaeoecology*.

### **Manuscript under review**

1)  $^{13}\text{C}$  enrichment in the Palaeoproterozoic carbonate rocks of northwest India: influence of microenvironment. Ritesh Purohit, **Prasanta Sanyal**, S.K. Bhattacharya, A.B Roy. Manuscript under review in *Precambrian Research*.

2) Chemical diagenesis of Siwalik sandstone: Isotopic and mineralogical proxies from Surai Khola section, Nepal. **Prasanta Sanyal**, S.K. Bhattacharya, Mahesh Prasad. Manuscript under review in *Sedimentary Geology*.

### **Manuscript under preparation**

1) Carbon and Oxygen isotope ratio of pedogenic carbonate from Siwalik and Gondwana: Implications to the atmospheric  $\text{CO}_2$ , vegetation and precipitation. **Prasanta Sanyal**, S.K. Bhattacharya, Rohtash Kumar, Partho Ghosh. Manuscript under preparation for *Geology*.

2) Origin of graphitic carbon in Precambrian migmatites of Eastern Ghats, Orissa, India. **Prasanta Sanyal**, S.K. Acharya, S.K. Bhattacharya. Manuscript under preparation for *Geology*.

3) Palaeovegetation and palaeoprecipitation reconstruction for late Miocene period from Kangra valley, Himachal Pradesh, India. S. Sinha, **Prasanta Sanyal**, S.K. Bhattacharya,

Rohtash Kumar, Sumit K. Ghosh, S.J. Sangode. Manuscript under preparation for *Journal of Asian Earth Sciences*.

4) Monsoon reconstruction from hydrogen isotope ratio of pedogenic clay minerals from Indian Siwalik. **Prasanta Sanyal**, S.K.Bhattacharya, Rohtash Kumar, Sumit K. Ghosh, S.J. Sangode. Manuscript under preparation for *Geology*.

5) Origin and age of graphite from Dharwar Craton. Maibam Bidyananda, **Prasanta Sanyal**, S.K. Bhattacharya, J.N.Goswami. Manuscript under preparation for *Current Science*.

6) Precambrian-Cambrian boundary at Cuddapah Basin. **Prasanta Sanyal**, S.K. Bhattacharya, A.Moitra, Ashok Kumar. Manuscript under preparation for *Precambrian Research*.

#### **Abstracts in conferences**

(1) Carbon and Oxygen isotope of Surai Khola section of Siwalik of Nepal Himalaya. **Prasanta Sanyal** and S.K.Bhattacharya in 9<sup>th</sup> ISMAS workshop on Mass Spectrometry, National Institute of Oceanography, Goa, India, December 12-16,2000.

(2) Carbon and oxygen isotope ratios of Siwalik soils from Kangra valley, Himachal Pradesh and their implications. **Prasanta Sanyal**, S.K. Bhattacharya, Rohtash Kumar, Sumit K. Ghosh and Satish J. Sangode in International conference on Quaternary Climate, Tectonics and Environment of the Himalaya: Comparison with other regions. Organized by Department of Geology, Faculty of Science, Kumaun University, Nainital, India, March 11-15, 2002.

(3) C<sub>4</sub> grass expansion record from Siwalik soils, Kangra valley, Himachal Pradesh, India. **Prasanta Sanyal**, S.K. Bhattacharya, Rohtash Kumar, Sumit K. Ghosh and Satish J. Sangode. In Paleo-Grassland Research 2002: A conference on the reconstruction and modeling of grass-dominated biomes, St. Cloud, Minnesota, June 13-15,2002.

(4) Oxygen isotope composition of carbonate cement in sandstones from Siwalik sediments of western Nepal: implication to the evolution of meteoric water. **Prasanta Sanyal**, S.K.Bhattacharya, Mahesh Prasad. Presented to 12<sup>th</sup> Bathurst Meeting of Carbonate Sedimentologists Durham, England from 8<sup>th</sup>-10<sup>th</sup> July 2003.

- (5) Paleovegetational reconstruction in Late Miocene: a case study based on early diagenetic carbonate cement from Indian Siwalik. **Prasanta Sanyal**, S.K.Bhattacharya, Rohtash Kumar, Sumit K. Ghosh, S.J. Sangode. Presented to 12<sup>th</sup> Bathurst Meeting of Carbonate Sedimentologists, Durham, England from 8<sup>th</sup>-10<sup>th</sup> July 2003.
- (6) Late Miocene Monsoonal record from oxygen isotope ratio of Siwalik soil carbonate. **Prasanta Sanyal**, S.K. Bhattacharya, Rohtash Kumar, Sumit K. Ghosh and Satish J. Sangode. Submitted in IAEA isotope Hydrology Symposium, Vienna, 19<sup>th</sup> -23<sup>rd</sup> May 2003.
- (7) Monsoon reconstruction from hydrogen isotope ratio of pedogenic clay minerals from Indian Siwalik. **Prasanta Sanyal**, S.K. Bhattacharya, Rohtash Kumar, Sumit K. Ghosh and Satish J. Sangode in 11<sup>th</sup> ISMAS workshop, held on Shimla during 7<sup>th</sup> to 12<sup>th</sup> October, 2004.
- (8) Origin of graphitic carbon in Precambrian migmatites of Eastern Ghats, Orissa, India. S.K.Bhattacharya, **Prasanta Sanyal**, B.C.Acharya in 11<sup>th</sup> ISMAS workshop, held on Shimla during 7<sup>th</sup> to 12<sup>th</sup> October, 2004.