

### List of Publications of the Author

#### **Papers in refereed journals/volumes:**

1. S. Krishnaswami, Sunil K. Singh and Tarun K. Dalai (1999): Silicate Weathering in the Himalaya: Role in Contributing to Major Ions and Radiogenic Sr to the Bay of Bengal, *Ocean. Science: Trends and Future Directions* (Ed: B.L.K. Somayajulu), Indian National Science Academy and Akademia Books International, New Delhi, pp. 23-51.
2. M.M. Sarin, S. Krishnaswami, Tarun K. Dalai, V. Ramaswamy and V. Ittekkot (2000): Settling fluxes of U- and Th- series nuclides in the Bay of Bengal: Results from time-series sediment trap studies, *Deep Sea Research I*, 47, 1961-1985.
3. Tarun K. Dalai, Sunil K. Singh, J. R. Trivedi and S. Krishnaswami (2002): Dissolved Rhenium in the Yamuna River System and the Ganga in the Himalaya: Role of black shale weathering on the budgets of Re, Os, and U in rivers and CO<sub>2</sub> in the atmosphere, *Geochimica Cosmochimica Acta*, 66(1), 29-43.

#### **Papers communicated**

1. Tarun K. Dalai, S. K. Bhattacharya and S. Krishnaswami (2001) Stable isotopes and in the source waters of the Yamuna and its tributaries: Seasonal and altitudinal variations and relation to major cations (*Hydrological Processes*, under review).
2. Tarun K. Dalai, S. Krishnaswami and M. M. Sarin (2001) Major ion chemistry in the headwaters of the Yamuna River System: Chemical weathering and CO<sub>2</sub> consumption in the Himalaya (*Geochimica Cosmochimica Acta*, under review).

#### **Abstracts in journals/volumes:**

1. M.M. Sarin, Tarun K. Dalai and S. Krishnaswami (1997): Fluxes of U-Th series radionuclides through the water column of the Bay of Bengal, *International Conference on Isotopes in the Solar System*, Ahmedabad, India, pp. 204-205.
2. Tarun K. Dalai, J.R. Trivedi and S. Krishnaswami (1999): Re abundances in Yamuna Source Waters: Sources, Fluxes and Implications to Black shale Dating, *Proceedings of 8<sup>th</sup> ISMAS Symposium on Mass Spectrometry* (Editor: S.K. Aggarwal), Hyderabad, 588-590.

3. Tarun K. Dalai, J.R. Trivedi and S. Krishnaswami (2000): Re geochemistry in the Yamuna River in the Himalaya, *Goldschmidt 2000, An International Conference for Geochemistry*, Oxford, U.K., *Journal of Conference Abstracts*, Cambridge Publications, Vol. 5(2), 329.
4. Tarun. K. Dalai and M.M. Sarin (2000): Analysis of Sr and Ba in river waters at ppb levels by ICP-AES coupled with Ultrasonic Nebulizer, *International Seminar on Analytical Techniques in monitoring the Environment*, Tirupati (accepted).
5. Tarun K. Dalai, Sunil K. Singh, J. R. Trivedi and S. Krishnaswami (2001): Dissolved Re in the Yamuna River System in the Himalaya: Black shale weathering and trace metal budgets, *Journal of Asian Earth Sciences*, Special Abstract Issue, Vol. 19 (3A), 11-12.
6. Tarun K. Dalai, S. Krishnaswami, Anil Kumar and J. R. Trivedi (2001): Sr Isotopes in the Yamuna River System in the Himalaya, Addenda Abstracts: *16<sup>th</sup> Himalaya-Karakorum-Tibet Workshop (HKTW-16)*, Schloss Seggau, Austria, 4-5.