
Peer reviewed publications

1. **Anirban Das**, Yoshio Takahashi, Asuka Tanaki, Application of X-ray Absorption Fine Structure (XAFS) spectroscopy to speciation of Lead (Pb) contaminants in plastics, **Bulletin of chemical Society of Japan (Accepted article)**.
2. Tripathy G R, **Das Anirban** (2014) Modeling geochemical data for source apportionment: Comparison of least square regression and inversion approaches, **Journal of geochemical exploration**, **144**, 144-153.
3. **Das Anirban**, Chung Chuan-Hsiung, You Chen-Feng, Shen Min-Lin (2012) Application of an improved ion exchange technique for the measurement of $\delta^{34}\text{S}$ values from microgram quantities of sulfur by MC-ICPMS, **Journal of Analytical Atomic Spectrometry**, **27 (12)**, **2088-2093**
(Received Invitation to present an artwork for a cover page)
4. **Das Anirban**, Chung Chuan-Hsiung, You Chen-Feng (2012). Disproportionately high rates of sulfide oxidation from river basins of Taiwan orogeny, **Geophysical Research Letters**, **39**, L12404, doi:10.1029/2012GL051549
(Selected as research spotlight by American Geophysical Union)
5. **Das Anirban**, Pawar N. J., and Veizer Jan. Sources of sulfur in Deccan Trap rivers: A reconnaissance isotope study. (**Applied Geochemistry** , 26, 301-307.
6. Kashiwabara T., Mitsunobu S., **Das Anirban**, Itai T., Tanimizu M. and Takahashi Yoshio (2008). Oxidation states of Antimony and Arsenic in marine ferromanganese oxides related to their fractionation in oxic marine environment. **Chemistry Letters**, **37**, 756-757.
7. **Das Anirban**, and Krishnaswami S. (2007) Elemental geochemistry of river sediments from the Deccan Traps, India: Implications to sources of elements and their mobility during basalt-water interaction. **Chemical Geology**, **242**, 232-254.
8. **Das Anirban**, and Krishnaswami S. (2006b) Barium in Deccan Basalt Rivers: Its abundance. Relative mobility and flux. **Aquatic Geochemistry**, **12**, 221-238.
9. **Das Anirban**, Krishnaswami S., and Anil Kumar (2006a) Sr and $^{87}\text{Sr}/^{86}\text{Sr}$ in rivers draining the Deccan Traps (India): Implications to weathering, Sr fluxes and the Marine $^{87}\text{Sr}/^{86}\text{Sr}$ record around K/T. **Geochem., Geophys., Geosyst.**, **7**, Q06014, doi: 10.1029/2005gc001081.
10. **Das Anirban**, Krishnaswami S., Sarin M. M., and Pande K. (2005a) Chemical weathering of the Krishna basin and Western Ghats of the Deccan Traps, India: Rates of basalt weathering and their controls. **Geochim. Cosmochim. Acta** **69**, 2067-2084
11. **Das Anirban**, Krishnaswami S., and Bhattacharya S. K. (2005b) Carbon isotope ratio of dissolved inorganic carbon (DIC) in rivers draining the Deccan Traps, India: Sources of DIC and their magnitudes. **Earth and Planet. Sci. Lett.**, **236**, 419-429.

12. Shukla P. N., Bhandari N., **Das Anirban**, Shukla A. D., and Ray J. S. (2001) High Iridium concentration of alkaline rocks of Deccan and implications to K/T boundary. *Proc. Indian Acad. Sci. (Earth Planet. Sci.)* **110**, 103-110.
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