

Publications

1. C. N. Murthy, Rashmika R. Patel, **R. Murali**, A. K. Rakshit. [60] Fullerene in Water: Microemulsion and Nanophase formation. *J. Chem. Eng. Data*. 2010, 55(10), 4479- 4484.
2. **R. Murali** and C. N. Murthy. Adsorption studies of toxic metals on soil colloids and their transport. *Colloids and Surfaces A:Physicochem.Eng. Asp.* (Communicated)
3. **R. Murali** and C. N. Murthy. Adsorption behavior of soil colloids towards anionic and cationic dyes in aqueous media. (Under preparation).
4. **R. Murali** and C. N. Murthy. Studies on the heavy metal contamination of mini river bed sediments and its transport to ground water, Nandesari, Gujarat. (Under preparation).
5. **R. Murali** and C. N. Murthy. Characterization of inorganic and organic colloids separated from sediments of Mahi river basin, India. (Under preparation).

Conference publications

1. **R. Murali** and C. N. Murthy. Studies on the transport of colloids and its implications on contaminant transport through sediment column. IAHR international ground water symposium, September 22-24, 2010, Valencia, Spain.
2. **R. Murali** and C. N. Murthy. Studies on the Transport of a Dye Contaminant in Soil Subsurface by Natural Colloids. 3rd International Conference on Hydrology and Watershed Management, February 3-6, 2010, Hyderabad, India, Volume.1, 100-112.

Patents

1. **R. Murali**, C. N. Murthy. An efficient method for the removal of organic/inorganic contaminants in water by natural polymeric colloids and thereof. Indian patent (Filed).

Papers presented at National and International conferences

1. Studies on the transport of colloids and its implications on contaminant transport through sediment column. **R. Murali** and C. N. Murthy. IAHR international ground water symposium, September 22-24, 2010, Valencia, Spain.
2. Studies on the adsorption of chromium on soil colloids and its transport through sediment column. **R. Murali** and C. N. Murthy. XXIV- Gujarat Science Congress, 21st March 2010, Ahmedabad.
3. Studies on the transport of a dye contaminant in soil subsurface by natural colloids. **R. Murali** and C. N. Murthy. 3rd International Conference on Hydrology and Watershed Management, February 3-6, 2010, Hyderabad.
4. Studies on the adsorption and transport of chromium by soil colloids in natural porous media. **R. Murali** and C. N. Murthy. Sixth All Gujarat Research Scholars meet, 31st January 2010, Vadodara.
5. Studies on the role of humic colloids isolated from sediments in the adsorption and transport of contaminants like organic dyes and chromium. **R. Murali** and C. N. Murthy. 46th Annual convention of chemists and International Conference on Recent Research Trends in Chemical Sciences, December 02-06, 2009, Vellore, Tamilnadu.
6. Studies on the adsorption and transport of Cr⁶⁺ contaminant by water dispersible colloids. **R. Murali** and C. N. Murthy. 45th Annual convention of chemists and International Conference on Recent Advances in Chemistry, November 23-27, 2008, Dharwad, Karnataka.
7. Studies on the colloid mediated transport of dye contaminants in natural porous media. **R. Murali** and C. N. Murthy. Fifth All Gujarat Research Scholars Meet, 17th February 2008, Vadodara.
8. Studies on the colloid associated transport of dye contaminants in natural porous media. **R. Murali** and C. N. Murthy. 44th Annual convention of chemists, December 23-27, 2007, Jaipur.