

PUBLICATIONS:

International Referred Journal

- **Samadder, S. R.**, and **Subbarao, C. (2007)** “A GIS Approach of Delineation and Risk Assessment of Areas Affected by Arsenic Pollution in Drinking Water.” *J. Environmental Engineering, ASCE*, Vol. 133, No. 7, pp. 742-749.
- **Samadder, S. R (2010)**. “Impact of Arsenic Pollution in Drinking Water on Life Expectancy: A GIS Approach”. *KSCE Journal of Civil Engineering (Springer Publication)*, Vol. 14, No. 5, pp. 681-691.
- **Samadder, S. R.**, **Ziegler, P.**, **Murphy, T. M.**, and **Holden, N. M (2010)**. “Spatial Distribution of Risk Factors for *Cryptosporidium* spp. Transport in an Irish Catchment”. *International Journal of Water and Environment Research (Published by Water and Environment Federation)*, Vol. 82, No. 8, pp. 750-758.
- **Samadder, S. R (2011)**. “Impact of Arsenic Pollution on Spatial Distribution of Human Development Index (HDI)”. *KSCE Journal of Civil Engineering*, **Vol. 15, No. 6, pp. 975-982.**
- **Tang, J.**, **Macdonald, S.**, **Peng, X.**, **Samadder, S. R.**, **Murphy, T. M.**, and **Holden, N. M (2011)**. “Application of SWAT model to better understand *Cryptosporidium* oocysts transport in small ungauged agricultural catchments”. (**In Press**). **Water Research, Elsevier.**
- **Samadder, S. R.**, **Nagesh Kumar, D** and **Holden, N. M. (2011)**. “An Empirical Model to Predict Arsenic Pollution Affected Life Expectancy”. **Under Preparation.**
- **Samadder, S. R.**, **Rajput, R. L.**, and **Parihar, R. S (2011)**. “Performance of UASB Reactor as a Common Effluent Treatment Plant: A Case Study”. **Under Preparation.**

International Conference

- **Samadder, S. R.**, and **Subbarao, C. (2007)** “Capabilities of GIS in Risk Assessment due to Arsenic Pollution in Drinking Water.” Conference on “Current Trends in Remote Sensing and GIS Applications, February 15-17, 2007, IIT Kharagpur, India.
- **Samadder, S. R.**, and **Holden, N. M. (2009)** “A GIS Approach of *Cryptosporidium* Risk Assessment of Irish Catchment.” Conference, Environmental Sciences Association of Ireland, 19th Irish Environmental Researchers’ Colloquium; February 18-20, 2009, Waterford Institute of Technology, Waterford, Ireland.
- **X. Peng.**, **S. McDonald.**, **T. Murphy.**, **M. Berzano.**, **P. Ziegler.**, **S. R. Samadder.**, and **N. M. Holden (2009)**. The transport and attachment of *Cryptosporidium parvum* oocysts in

main Irish soils. June 15-19, 2009. 18th International Soil Tillage Research Organization. Izmir, Turkey.

- **Samadder, S. R.**, Peng, X, McDonald, S, Murphy, T. M, Berzano, M, Ziegler, P.E, Holden, N. M (2009). Relative Risk of Cryptosporidium Spp. Transport in an Irish Catchment. October 11-15, 2009. 3rd International Giardia and Cryptosporidium Conference. Orvieto, Italy.
- *McDonald, S., Berzano, M., Ziegler, P., Peng, X., Samadder, S. R.,* Murphy, T., and Holden, N. M. (2009). How sensitive is qualitative risk assessment at the small agricultural catchment scale? November 27, 2009. Joint meeting of the Irish Society of Parasitology and British Association of Veterinary Parasitologists. Central Veterinary Research Laboratory, Backweston Campus, Celbridge, Co. Kildare, Ireland.

Proceedings Published

- Proceedings of the Two Days Training Programme for Field Engineers in Infrastructural Development edited by M S Chauhan, S Rokade, K Dharavath and **S R Samadder**, held in April 2010, Bhopal, **India**.