

## **PUBLICATIONS:**

### **International Referred Journal**

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1. **Samadder, S. R.**, Nagesh Kumar, D., and Holden, N. M. (2014). "An Empirical Model to Predict Arsenic Pollution Affected Life Expectancy." *Population and Environment*, 36(2), 219-233.
2. Debishree Khan and **S. R. Samadder (2014)**. "Application of GIS in Landfill Siting for Municipal Solid Waste." *International Journal of Environmental Research and Development*. ISSN 2249-3131, 4(1), 37-40.
3. Sneha Lata and **S. R. Samadder (2014)**. "Removal of Heavy Metals Using Rice Husk: A Review". *International Journal of Environmental Research and Development*. ISSN 2249-3131, 4(2), 165-170.
4. Debishree Khan and **S. R. Samadder (2014)**. "Municipal solid waste management using Geographical Information System aided methods: A mini review." *Waste Management and Research*, 32(11), 1049-1062.
5. Sneha Lata and **S. R. Samadder (2014)**. "Regeneration of adsorbents and recovery of heavy metals: a review". *International Journal of Environmental Science and Technology*. DOI 10.1007/s13762-014-0714-9.
6. Pooja Yadav and **S. R. Samadder (2014)**. "Life cycle assessment of solid waste management options: A Review". *Recent Research in Science and Technology*, 6(1), 113-116. ISSN: 2076-5061.
7. 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". *Water Research*, Elsevier, Vol. 45, pp. 3665-3680.
8. **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.
9. **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.

10. **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.
11. **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.

#### **International Conference**

12. S. Lata and **S. R. Samadder (2014)** “A Comparative Study of Arsenic Removal Techniques for Rural Areas.” **Dec. 18-20, 2014**, 19<sup>th</sup> Conference on Hydraulics, Water Resources & Environmental Engineering.), Maulana Azad National Institute of Technology, Bhopal, India.
13. D. Khan and **S. R. Samadder (2014)**. “How Geospatial Technology Helps in Landfill Site Selection.” **December 16-18, 2014**. 4<sup>th</sup> International Conference, World Science Congress. Gandhi Bhaban of Jadavpur University, Kolkata.
14. Sneha Lata and **S. R. Samadder (2014)** “Removal of Heavy Metals from Drinking Water Using Coconut Husk”. **September 15-16, 2014**, Vol. 5 (4) ISSN: 2157-7587, Proceedings of 3<sup>rd</sup> International Conference on Hydrology and Meteorology, HICC Hyderabad, India.
15. Ashvani Kumar and **S. R. Samadder (2014)**. “Groundwater Contamination by Trace Metals from Coal-Based Thermal Power Plants”. **January 23-24, 2014**. International Conference on Emerging Challenges and Issues in Environmental Protection. Raipur Institute of Technology Raipur, Chhattisgarh, India.
16. Yadav, P., **Samadder, S. R. (2014)**. “Life Cycle Assessment of Solid Waste Management Options: A Review”. **January 23-24, 2014**. International Conference on Emerging Challenges and Issues in Environmental Protection. Raipur Institute of Technology Raipur, Chhattisgarh, India.
17. Sneha Lata and **S. R. Samadder (2014)**. “Removal of Heavy Metals Using Rice Husk: A Review”. **January 4-5, 2014**. 2<sup>nd</sup> International Conference of Krishi Sanskriti on Sustainable Innovative techniques in Civil and Environmental Engineering (SITCEE-2014), Jawaharlal Nehru University, New Delhi, India.
18. A. Kumar and **S. R. Samadder (2013)**. “Trace and Heavy Metals in Fly Ash and Bottom Ash: A Review”. **November 11-13, 2013**. International Conference: Harmony 2013 of National Environmentalist Association, Ranchi, Jharkhand, India on Harmony with Nature in Context of Ecotechnological Investigation and Climate Change. D. D. U. Gorakhpur University, Gorakhpur, Uttar Pradesh, India.

19. Khan, D. and **Samadder, S. R. (2013)**. “The Status of Municipal Solid Waste Management in Dhanbad, India and a GIS Approach for Landfill Siting.” **August 16-18, 2013**. International Conference on Conserving Biodiversity for Sustainable Development (INCCBSD 2013). National Institute of Technology, Rourkela, Odisha, India.
  
20. Sneha Lata and **S. R. Samadder (2013)**. “Arsenic Detection Techniques and Their Drawbacks” August 16-18, 2013. **August 16-18, 2013**. International Conference on Conserving Biodiversity for Sustainable Development (INCCBSD-2013). National Institute of Technology, Rourkela, Odisha, India.
  
21. Khan, D., Vinod, B. V., and **Samadder, S. R. (2012)**. “Impact of Municipal Solid Waste Leachates on Groundwater and Investigate the Effectiveness of Various Geoliner to Control the Leachate Flow Behaviour.” **November 2-4, 2012**. 4<sup>th</sup> International Conference of National Environmentalists Association on Anthropogenic Impact on Environment and Conservation Strategy, Ranchi, India.
  
22. *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.
  
23. **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. 3<sup>rd</sup> International Giardia and Cryptosporidium Conference. Orvieto, Italy.
  
24. 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.
  
25. **Samadder, S. R.**, and Holden, N. M. (2009) “A GIS Approach of Cryptosporidium Risk Assessment of Irish Catchment.” Conference, Environmental Sciences Association of Ireland, 19<sup>th</sup> Irish Environmental Researchers’ Colloquium; February 18-20, 2009, Waterford Institute of Technology, Waterford, Ireland.
  
26. **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.

**Paper published in national conference:**

27. Yadav, P., and **Samadder, S. R. (2014)**. “A Comparative Study of Composting and Land filling of Municipal Solid Wastes Using Life Cycle Assessment Technique: A Review”. January 30 to February 1, 2014. National Conference on Environmental pollution and protection. National Institute of Technology, Durgapur, India.
28. **Samadder, S. R.**, and Subbarao, C. (2014). “Effect of Arsenic Pollution in Groundwater on Life Expectancy: A GIS Approach”. March 28-29, 2014. National Conference on “Water and its Sustainability in Mining and Other Environment: Vision 2050 (WASME 2014)”, ISBN 978-93-5156-850-6. Indian School of Mines Dhanbad, India.

#### **Proceedings Published**

29. 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**.
30. Pal, A.K., Maiti, S.K., Gupta, S.K., Sinha, A., Samadder, S. R. and Mishra, B.K. (2012). Edited the Training module of 3-Days Training Program for Executives of Drinking Water and Sanitation Department, Ranchi on “**Water and Wastewater Treatment And Management**”; 7-9 November, **2012**, ESE Department, ISM, Dhanbad.