

PUBLICATION OF Dr. BRIJESH KUMAR MISHRA

List of Publication (SCI Journal)

1. Tanwi Priya, Prem Prakash, **B.K. Mishra** (2018). Understanding the coagulant activity of zirconium oxychloride to control THMs formation using response surface methodology. *Ecotoxicology and Environmental Safety* 159:28–37.
2. Prem Prakash, Prasun Kumar Chakraborty, Tanwi Priya, **Brijesh Kumar Mishra** (2018). Performance evaluation of Saponin over other organic acid and tap water for removal of Chromium in tannery sludge by Electrokinetic Enhancement. *Separation Science and Technology*. (Accepted)
3. Aliya Naz, Abhiroop Chowdhury, **Brijesh Kumar Mishra** and K. Karthikeyan (2018). Distribution of heavy metals and associated human health risk in mine, agricultural and roadside soils at the largest chromite mine of India. *Environmental Geochemistry and Health*. (Accepted)
4. Hariraj Singh, Sonalika Sonal **B K Mishra** (2017). Hexavalent Chromium removal by Monopolar electrodes based electrocoagulation system: Optimization through Box-Behnken Design. *Journal of Water Supply: AQUA*. (Accepted)
5. Tanwi Priya, Abhrajyoti Tarafdar, Bramha Gupta and **B K Mishra** (2017). Effect of bioflocculants on the coagulation activity of alum for removal of trihalomethane precursors from low turbid water. *Journal of Environmental Science*. (Accepted)
6. Shahjad Ali, Minashree Kumari, S K Gupta, Alok Sinha and **B K Mishra** (2017). Identification of fluoride endemic areas and associated health risk – A case study of Agra, Uttar Pradesh, India. *Human and Ecological Risk Assessment*, 23 (3): 590-604.
7. Tanwi Priya, Vijay Laxmi and **B K Mishra** (2017). Performance evaluation of zirconium oxychloride for reduction of hydrophobic fractions of Natural Organic Matter. *Separation and Purification Technology*, 174 (1):104-108.
8. **B K Mishra**, Tanwi Priya, S K Gupta and Alok Sinha (2016). Modeling and characterization of natural organic matter and its relationship with the THMs formation. *Global NEST Vol* 18(4): 803-816.
9. Tanwi Priya and **B K Mishra** (2017). Enzyme mediated chloroform biotransformation and Cancer Risk Analysis of Trihalomethanes Exposure in South -East Asia: A Review. *Exposure and Health*, 9(1):61-75.
10. Hariraj Singh and **B K Mishra** (2017). Performance evaluation and kinetic modeling of the electrocoagulation treatment process for the removal of total suspended solids and metals from synthetic water. *Environmental Engineering Research*. 22(2): 141-148.
11. Aliya Naz, Abhiroop Chowdhury, **Brijesh Kumar Mishra** and Sunil Kumar Gupta (2016). Metal Pollution in Water Environment and the Associated Human Health Risk from Drinking Water: A Case Study of Sukinda Chromite mine, India. *Human and Ecological Risk Assessment*, 22 (7): 1433-1455.
12. Aliya Naz, **B K Mishra** and S K Gupta (2016). Human Health Risk Assessment of Chromium in Drinking Water: A Case Study of Sukinda Chromite Mine, Odisha, India. *Exposure and Health*, 8(2): 253-264.
13. Tomar Swati, Gupta S K and **Mishra B K** (2015). Performance evaluation of the anammox hybrid reactor seeded with mixed inoculum sludge. *Environmental Technology*, 37(9): 1065-1076.

14. Tomar Swati, Gupta S K and **Mishra B K** (2015). A novel strategy for simultaneous removal of nitrogen and organic matter using anaerobic granular sludge in anammox hybrid reactor.. *Bioresource Technology*, 197: 171-177.
15. Lama Y, Sinha Alok , Singh G, Sahu S A & **Mishra B K** (2016). Modeling the impacts of corrosion product formation on simultaneous sorption and reductive dehalogenation of organochlorine pesticide aldrin by high carbon iron filings (HCIF). *Desalination and Water Treatment*. 57 (16):7155-7165.
16. Minashree Kumari, S.K. Gupta and **B.K. Mishra** (2015). Multi-exposure cancer and non-cancer risk assessment of Trihalomethanes in drinking water supplies – A case study of Eastern region of India. *Ecotoxicology and Environmental Safety*, 113:433–438.
17. Sarkar AK, Ghorai S, Patra AS, **Mishra BK**, Mandre NR and Pal S (2015). Modified amylopectin based flocculant for the treatment of synthetic effluent and industrial wastewaters. *International Journal of Biological Macromolecules*, 72: 356–363.
18. **Mishra BK**, Gupta SK and Sinha A (2014). Human health risk analysis from disinfection by-products (DBPs) in drinking and bathing water of some Indian cities. *Journal of Environmental Health Science & Engineering*; 12:73.

List of Publication (Scopus)

1. **B K Mishra**, Manisha, R Gupta and Alok Sinha (2015). Mobility of Toxic Elements in Crop and Agricultural Soil Treated with Municipal Sewage Sludge. *Asian Journal of Water, Environment and Pollution*, 12 (2): 13–19.
2. R Srivastava, GK Yadav, A Sinha and **B K Mishra** (2015). Comparative Study for Reduction of Hexavalent Chromium by High Carbon Iron Filings (HCIF) and Electrolytic Iron: Mass Transfer Limitations. *Asian Journal of Chemistry*, 27 (4):1398-1402.

List of Publication (International Conference)

1. Hariraj Singh, **Brijesh Kumar Mishra** (2015). Performance evaluation of the electro-coagulation treatment process for the removal of total suspended solids and metals from water. DOI: 10.1109/WCST.2015.7415140.
2. Hariraj Singh, **Brijesh Kumar Mishra** (2015). Electrocoagulation: A Review- Electricoagulation Treatment Recent Applications for Polluted Water and Wastewater. Challenges and Opportunities for Management of Water Supplies in Rural Areas. ISM Dhanbad Jan 23-24, 2015.
3. **B. K. Mishra**, S.K. Gupta and Alok Sinha (2013). Significance and Importance of Water Quality Parameters for Predictive Modeling Approach of Disinfection Byproduct (DBP) in Drinking Water - A Review SEES. 2nd Annual International Conference on Sustainable Energy and Environmental Sciences Global Science and Technology Forum, Singapore, 25-26 Feb, 2013.
4. P K Yadav, V Babu, B K Mishra, (2012). Remediation by inclusion of electrokinetics to treat municipal water water sludge by the comparison of different chemical approaches. 4th International Conference on Anthropogenic Impact on the Environment and Conservation Strategy. St. Xavier's College, Ranchi, 2-4 Nov, 2012.

5. Amitabh K. Srivastava, *Satyendra Nath*, B.K. Mishra, T. Thomas and C.S. Singh (2009). Comparison of Grey, Fuzzy and Fuzzy Goal Techniques Forecasting Solid Waste Quantities. International Symposium on Rock Mechanics & Geo-Environment in Mining & Allied Industries (RGMA-09), Dept. of Mining Engg., IT; BHU, Varanasi, 12 – 14 Feb. 2009.
6. Afaq Majid Wani, T. Thomas, B.K. Mishra, *S. Nath* and C.S. Singh (2009). Soil Suitability Assessment in Cold Desert areas of Himachal Pradesh and Jammu & Kashmir. International Symposium on Rock Mechanics & Geo-Environment in Mining & Allied Industries (RGMA-09), Dept. of Mining Engg., IT; BHU, Varanasi, 12 – 14 Feb. 2009.
7. Brijesh Kumar Mishra, *S. Nath*, T. Thomas, A. M. Wani, & C.S. Singh (2009): Monitoring and Assessment of Drinking Water Quality Using Water Quality Index. International Symposium on Rock Mechanics & Geo-Environment in Mining & Allied Industries (RGMA-09), Dept. of Mining Engg., IT; BHU, Varanasi, 12 – 14 Feb. 2009.
8. Tarence Thomas, Abhishek James, Arun A. David, S.B.Lal, Archana Yadav. B. K. Mishra and Harel Thomas (2009). Study on River Ganga Pollution During Ardh Kumbh – 2007. International Conference on Precambrian Continental Growth and Tectonism (PCGT – 2009), Deptt., of Geology, Ins. of Earth Sciences, Bundelkhand University Jhansi, 24-28 Feb., 2009, ISBN: 978-93-800043-06-7

List of Publication (National Conference)

1. Ibadaiahun Myrthong, **Brijesh Kumar Mishra**, Richa Sharma & N. N. Harry (2012). Study of The Yamuna River Water Quality in Allahabad City. National Conference on Sustainable Development of Groundwater Resources in Industrial Regions SDGRIR 2012. ISM, Dhanbad, 22-23 March, 2012.
2. Arpan Herbert, **Brijesh Kr. Mishra**, Yeetendra Kumar & Neelam Khare (2012). Physicochemical Characterization of Catchment Area Water in Allahabad City. National Conference on Sustainable Development of Groundwater Resources in Industrial Regions SDGRIR 2012. ISM, Dhanbad, 22-23 March, 2012.
3. Swati Tomar, S. K. Gupta & **B. K. Mishra** (2012). Anaerobic Ammonium Oxidation (Anammox) Process for Nitrogen Removal – A Review. National Conference on Sustainable Development of Groundwater Resources in Industrial Regions SDGRIR 2012. ISM, Dhanbad, 22-23 March, 2012.
4. Kumari, M., Gupta, S. K., and **Mishra, B. K.** (2012). Chlorination By-Products Formation and their Removals from Drinking Water. National Conference on Sustainable Development of Groundwater Resources in Industrial Regions SDGRIR 2012. ISM, Dhanbad, 22-23 March, 2012.
5. Navneet Sharma, Komal Agrawal, Alok Sinha & **Brijesh K. Mishra** (2012). Groundwater Management in Mining Areas. National Conference on Sustainable Development of Groundwater Resources in Industrial Regions SDGRIR 2012. ISM, Dhanbad, 22-23 March, 2012.
6. Pramod Kr. Singh, **B. K. Mishra**, S. K. Gupta & Alok Sinha (2012). Distribution and Propagation of Arsenic In Indogangatic Plain And Removal Technology. National Conference on Sustainable Development of Groundwater Resources in Industrial Regions SDGRIR 2012. ISM, Dhanbad, 22-23 March, 2012.

7. Afaq Majid Wani & B.K. Mishra (2012). Effect of Ground Water on Soil and Vegetation in Cold Desert Areas of Himachal Pradesh. National Conference on Sustainable Development of Groundwater Resources in Industrial Regions SDGRIR 2012. ISM, Dhanbad, 22-23 March, 2012.
8. Vinod Babu.V, Pravesh Kumar Yadav, M.K.Ghritlahre, Anshu Rakesh, B.K.Mishra (2012). Effect of Climate Change on Groundwater and Different Modelling Approaches for its Assessment- A Review. National Conference on Sustainable Development of Groundwater Resources in Industrial Regions SDGRIR 2012. ISM, Dhanbad, 22-23 March, 2012.
9. Vikas Srivastava, Rakesh Kumar, Satyendra Nath, B. K. Mishra and P. K. Mehta (2012). Solid Wastes in Construction. National Conference on Sustainable Development of Groundwater Resources in Industrial Regions SDGRIR 2012. ISM, Dhanbad, 22-23 March, 2012.
10. S.B. Lal, Saumya, B.K. Mishra, Satyendra Nath (2010). Study on sewage treatment plant effluent induced physiochemical changes in river Yamuna (Allahabad) U.P. National Conference on Health & Environment: Issues Challenges, SHIATS- Allahabad, 06-07 May, 2010.
11. B.K. Mishra, Satyendra Nath, T. Thomas, R. Gupta, S. Daniel and A. James (2009). Absorption and reclamation of toxic elements in agricultural soil and crop treated with sewage sludge. Workshop on Rehabilitation of Degraded Lands (RDL 2009), Center for Social Forestry & Eco Rehabilitation, Allahabad, 6-7th Oct, 2009.
12. S. Dutta, B. K. Mishra and S. B. Lal (2008). A case study of Solid Waste Management in Allahabad city. National Conference on Scientific and Legal challenges of global warming. Brahmanand College, Kanpur University, Feb, 25-26.
13. *Satyendra Nath*, B.K.Mishra, H.B.Paliwal, R.Sharma, A.James and C.J. Wesely (2008). Water quality assessment of river Ganges at Sangam, Allahabad. 5th IAUA National Symposium on Environmental pollution and it's effect on agriculture production and human health. AAI-Deemed University, Allahabad, Sept 25-26.
14. Abhishek James, T.Thomas, Manoj Verma, *S.Nath*, Rambharose, A.A. David, B. K. Mishra, C. S. Singh and H. Thomas (2008). Impact of mining of granite in Jhanshi and surrounding areas. National Conference on Environmental Management in Mining and Allied Industries, Department of Mining Engineering, IT-BHU, Varanasi. Nov. 7-8.
15. Thomas T., B. K. Mishra, Abhishek James, Ram Bharose, Arun A. David, Singh C. S. and Thomas H (2008). Environmental Impact of Fly Ash on Soil Health, Yield and Nutrient Uptake by Rice. National Conference on Environmental Management in Mining and Allied Industries. Department of Mining Engineering, IT-BHU, Varanasi, Nov. 7-8
16. Durgesh Kumar, B. K. Mishra, Abhishek James, Thomas T., Ram Bharose, Arun A. David Singh, C. S. and Thomas H (2008). Assessment of Ambient Air Pollutants at Different Sites of Allahabad City, Department of Mining Engineering, IT-BHU, Varanasi. National Conference on Environmental Management in Mining and Allied Industries, Nov. 7-8.