

LIST OF PUBLICATIONS

International Journal

1. Sinha, A. and Bose, P. (2006) "Dehalogenation of 2-chloronaphthalene by cast iron". *Water Air and Soil Pollution*, 172 (1-4), pp. 375-390. (I.F. 1.676)
2. Sinha, A. and Bose, P. (2007) "Interaction Of 2-Chloronaphthalene with High Carbon Iron Filings (HCIF): Adsorption, Dehalogenation And Mass Transfer Limitations". *Journal of Colloid and Interface Science*, 314 (2), pp. 552-561. (I.F. 3.019)
3. Sinha, A. and Bose, P. (2009) "Interaction Of Chloroethanes And Chloroethenes With Un-Rusted And Rusted High Carbon Iron Filings". *Journal of Environmental Engineering Science*, 26(1), pp. 61-70. (I.F. 1.111)
(Cited by: Modeling Arsenite Adsorption on Rusting Metallic Iron by Susmita Roy, Purnendu Bose, *Journal of Environmental Engineering*. Jan 2010, Vol. 136, No. 4: 405).
4. Sinha, A. and Bose, P. (2009) "Interaction of 2,4,6-Trichlorophenol with High Carbon Iron Filings: Reaction and Sorption Mechanisms". *Journal of Hazardous Materials*, 164(1), pp. 301-309. (I.F. 4.144)
(Cited by C. Noubactep "An analysis of the evolution of reactive species in Fe⁰/H₂O systems" *Journal of Hazardous Materials*, Volume 168, Issue 2-3, pp 1626-1631, 2009)
5. Singh, G. and Sinha, A. (2011) "Phytoremediation of Cr(VI) Laden Waste by *Eichhornia crassipes*" *Int. J. Environmental Technology and Management*, Vol. 14, Nos. 1/2/3/4, pp. 33-42. (ISSN (Online): 1741-511X - ISSN (Print): 1466-2132)
6. Sinha, A. and Bose, P. (2011) "2-Chloronaphthalene Dehalogenation by High Carbon Iron Filings (HCIF): Impact of Formation of Corrosion Products on HCIF Surface" *Journal of Environmental Engineering Science*, 28(10): 701-710.

International Conference

1. Sinha A., Agrahari P.K. and Bose P., "Reductive Dechlorination of 2-Chloronaphthalene by Cast Iron", proceedings of International Conference on Hydrological Perspectives for Sustainable Development (HYPESD-2005), IIT Roorkee, Vol. II, pp 973-982, Feb 2005.
2. Agrahari P.K., Sinha A. and Bose P., "Application of Advanced Oxidation Processes for Degradation of Organic Micropollutants in Water- A Review", proceedings of International Conference on Hydrological Perspectives for Sustainable Development (HYPESD-2005), IIT Roorkee, Vol. II, pp 962-972, Feb 2005.
3. Sinha A. and Bose P., "Reductive Dechlorination Of 2,4,6-Trichlorophenol By Cast Iron", proceedings of International Conference on Environmental Management, JNTU, Hyderabad, October 2005.
4. Sinha A. and Bose P., "Enhancement in Reductive Dechlorination Of 2-Chloronaphthalene by Rusted Cast Iron", International Conference on Management of Water, Wastewater and Environment: Challenges for the developing countries, Sept 13-15, 2006, Nepal.
5. Sinha A. and Bose P., "Effect of Corrosion Product Development on Reductive Dehalogenation by Cast Iron Treating 2-Chloronaphthalene: Sorption and Reactivity", Environmental Research Event (ERE-2006), Dec 10-13, 2006, Macquarie University, NSW, Australia.
6. Sinha A. and Bose P., "Reactive Transport Of 2-Chloronaphthalene through Cast Iron Filings", International conference on Civil Engineering in the New Millenium:

- Opportunities and challenges (CENeM -2007), Jan 11-14, 2007, Bengal Engineering and Science University, WB, India.
7. Singh, G., Kakkar, D., Verma, P.K. and Sinha, A. "Discoloration of Azo-Dyes by Zero-Valent Iron", International Conference on Emerging Technologies in Environmental Science and Engineering, AMU, Aligarh, pp 55-62, Oct 26-28, 2009.
 8. Sinha, A., Singh, G. and Srivastava, R. "Jharia Action Plan: An Opportunity for Roof Water Harvesting" Proceedings of International Conference on Water Harvesting, Storage and Conservation (WHSC-2009), IIT Kanpur, pp. 18-19, Nov. 23-25, 2009.
 9. Srivastava, R.K. and Sinha, A. "Application of Zero-Valent Iron in Remediation of Chromium in Groundwater" International Conference on Recent Advances in Environmental Protection (RAEP-2009), St. John's College, Agra, pp 570-577, Dec. 17-19, 2009.
 10. Singh, G., Sinha, A. and Srivastava, R. "Review on Endocrine Disrupting Chemicals: Remedial Options" Proceedings of International Conference on Environmental Health and Technology (EH&T 2010), CESE, IIT Kanpur, pp. 109, March 15-17, 2010.
 11. Srivastava, R.K. and Sinha, A. "Modeling of Reduction of Chromium (VI) by Zero-Valent Iron" Proceedings of International Conference on Mother Earth: Save it for Future Generation (ICME 2010), University of Burdwan, Burdwan, pp 69, Feb. 13-15, 2010.
 12. Sinha A. and Bose P., "Dehalogenation of 2-Chloronaphthalene with Un-Rusted HCIF in Semi-Batch and Continuous Systems", Proceedings of International conference on Environmental Science and Technology (ICEST 2010), Houston, Texas, USA, pp 30, July 12-16, 2010.
 13. Srivastava, R.K., Singh, G. and Sinha, A. "Reduction of Chromium (VI) by Zero Valent Iron (ZVI): Impact of Chlorides" Proceedings of International conference on Environmental Science and Technology (ICEST 2010), Houston, Texas, USA, pp 30, July 12-16, 2010.
 14. Kalra, S.S., Mohan, S. and Sinha, A. "Advanced Oxidation Processes for Treatment of Textile and Dye Wastewater: A Review" Proceedings of International Conference on Environmental Science and Development (ICESD 2011), Mumbai, pp 271-275, Jan 7-9, 2011.
 15. Lama, Y. and Sinha, A. "Surfactant Enhanced Motility and Stability of nano-Zero Valent Iron (n-ZVI) for in-situ Remediation of Groundwater" Proceeding of International Conference on Climate change Forest Resource and Environmnet (ICCFRE-2011), pp 172, University of Kerala, Thiruvananthpuram, Dec 9-11, 2011.
 16. Pande, G. and Sinha, A. "Impacts of Leachate Percolation on Ground Water Quality: A Case Study of Dhanbad City" Proceedings of International Congress of Environmental Research (ICER-11), SVNIT, Surat, December 15-17, 2011.
 17. Sinha, A. "Insitu Remediation of Groundwater in Chromite Mining Areas by Nano Particles" Proceedsings of 4th Asian Mining Congress, pp 328-331, The Mining, Geological and Metallurgical Institute of India (MGMI), Kolkata, January 29-31, 2012.
 18. Yadav, G.K. and Sinha, A. "Mass Transfer Limitations for Reduction of Chromium (VI) by High Carbon Iron Filings (HCIF)" Proceedings of International Conference on "Advances in Architecture and Civil Engineering (AARCV 2012)", pp 431-434, School of Architecture and Department of Civil Engineering, M.S.R.I.T., Bangalore, June 21-23, 2012.

19. Srivastava R.K., Yadav, G.K. and Sinha, A. "Comparative Study For Reduction Of Hexavalent Chromium By Electrolytic Iron And High Carbon Iron Filings (HCIF)" in Proceedings of Fifth International Groundwater Conference (IGWC-2012) on "The Assessment and Management of Groundwater Resources in Hard Rock Systems with Special Reference to Basaltic Terrain", Maulana Azad College of Arts, Science and commerce, Aurangabad, Maharashtra, India during 18-21 december, 2012.

National Conference

1. Sinha A. and Bose P., "Zero-Valent Iron Mediated Dehalogenation of Chlorinated Organic Compounds", proceedings of National Conference on Advances in Environmental Science and Engineering, IIT Bombay, WW -02, December 2003.
2. Sinha A., Bose P. and Agrahari P.K., "Zero-Valent Iron: A Boon for remediation of Groundwater Pollution", proceedings of Workshop on Environmental Pollution: Perspectives and Practices, I.E.T. Lucknow, pp 193-197, April 2004.
3. Sinha A. and Bose P., "Predicting Long Term Performance of Cast Iron Permeable Reactive Barrier Treating 2-Chloronaphthalene", National conference on Environmental conservation (NCEC 2006), BITS Pilani, Sept 1-3, 2006.
4. Sinha A. and Kumar P., "Application of Nano-Technology in Remediation of Groundwater", proceedings of 4th National Seminar on Recent Strategies of Management, Technology and Environmental Control, pp 83-86, S.D.C.E.T., Muzzafarnagar, Feb 9-10, 2008.
5. Gulati, P., Verma, P. K., Singh, G. and Sinha, A. "Assessment and Status of Battery Waste Management in Kanpur" proceedings of National Seminar on Electronic Waste (NASEW -10) NML, Jamshedpur, Jan 21-22, 2010.
6. Sinha A. "Disposal And Recycling of E-Waste In India: Impact Assessment", proceedings of National Conference on "Sustainable Management Of E-Waste" Dec 14-15, 2010, Bhaskaracharya College of Applied Sc., Univ. of Delhi, Delhi.
7. Lama, Y. and Sinha, A. "In-situ Remediation of Groundwater Contaminated with Organochlorine Pesticides" Proceedings of All India Seminar on Advances in Mine Production and Safety, pp 315 -326, CIMFR, Dhanbad, Aug 26-27, 2011.
8. Sinha, A. "Climate Change Impacts on Water Resources in India" Proceedings on Seminar on World Habitat Day-2011, Institution of Engineers, ISM, Dhanbad, October 17, 2011.
9. Lama, Y. and Sinha, A. "Zero Valent Iron: An Option for Treatment of Groundwater" Proceeding of National Seminar on Mining Equipment: New Technologies, Challenges & Applications (MENTCA 2012), pp 67-76, ISM, Dhanbad, January 19-21, 2012.
10. Kumar, R. and Sinha, A. "Advanced Oxidation Based Technologies for Treatment of Arsenic in Groundwater" Proceeding of National Seminar on Mining Equipment: New Technologies, Challenges & Applications (MENTCA 2012), pp 77-90, ISM, Dhanbad, January 19-21, 2012.
11. Yadav, G.K., Tomar, S. and Sinha, A. "Remediation of Hexavalent Chromium by High Carbon Iron Filings" Proceeding of National Conference on Recent Trends in Chemical Sciences, pp 39, Department of Applied Chemistry, BIT, Deoghar, February 18-19, 2012.
12. Kumar, R. and Sinha, A. "Treatment Of Textile Wastewater Containing Azo Dyes By Physical And Chemical Processes" in Proceedings of National Conference on Sustainable

- Development of Groundwater Resources in Industrial Regions (SDGRIR 2012), pp 130-139, ESE Department, ISM, Dhanbad, Mar 22-23, 2012.
13. Sharma, N., Agrawal, K., Sinha, A. and Mishra, B.K. “ Groundwater Management in Mining Areas” in Proceedings of National Conference on Sustainable Development of Groundwater Resources in Industrial Regions (SDGRIR 2012), pp 152-156, ESE Department, ISM, Dhanbad, Mar 22-23, 2012.
 14. Singh, P.K., Mishra, B.K., Gupta, S. K. and Sinha, A. “Distribution and Propagation of Arsenic in Indogangatic Plain and Removal Technology” in Proceedings of National Conference on Sustainable Development of Groundwater Resources in Industrial Regions (SDGRIR 2012), pp 176-183, ESE Department, ISM, Dhanbad, Mar 22-23, 2012.
 15. Jha, P., Agrahari, A. and Sinha, A. “Errors Involved in the Estimation of Groundwater Quality Index” in Proceedings of National Conference on Sustainable Development of Groundwater Resources in Industrial Regions (SDGRIR 2012), pp 217-225, ESE Department, ISM, Dhanbad, Mar 22-23, 2012.
 16. Kumar, R. and Sinha A. “Natural Adsorbents for Treatment of Textile Wastewater” Proceedings of national Seminar on Biodiversity: Its Conservation and Sustainable Development for Human Welfare, pp 41-42, University Department of Zoology, Vinoba Bhave University, Hazaribag, April 7-9, 2012.