

## 1. RESEARCH PUBLICATIONS:

### Book Chapter

- Gupta, S.K., Gupta Sunil Kumar and Hung, Young-Tse (2004). "Treatment of Pharmaceutical Waste" In: Handbook of Industrial and Hazardous Waste Management, Second Edition, Ed. Lawrence K. Wang, Young-Tse, Hung, Howard H. Lo and Constantine Yapijakis, Marcel Dekker Inc., NY, USA. (3) 63-129.

### Research Papers in International Journals

1. B. K. Mishra; **S.K. Gupta**; Alok Sinha (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** 2014 12:73. doi:10.1186/2052-336X-12-73.
2. Shibam Mitra\*, **S.K. Gupta** (2013). Biodegradation of tetrachloroethylene-rich synthetic wastewater in anaerobic hybrid reactor. **Desalination and Water Treatment**. doi: 10.1080/19443994.2013.770232.
3. Swati Tomar, **S.K. Gupta** (2013). Early start-up of Anamox Reactor....A Review. **Int. J. of Environmental Research and Development**, 3(4), 36-41.
4. Shibam Mitra, **S. K. Gupta** (2013). Pilot-scale treatment of a trichloroethylene rich synthetic wastewater in anaerobic hybrid reactor, with morphological study of the sludge granules. **Clean Techn Environ Policy**, DOI 10.1007/s10098-013-0695-2.
5. Shibam Mitra, **S.K. Gupta** (2012). Biodegradation of Trichloroethylene in Anaerobic Hybrid Reactor. **Environmental Progress & Sustainable Energy** Published online in Wiley Online Library (wileyonlinelibrary.com). DOI 10.1002/ep.11705
6. Chatterjee, Papia; Sharan, Richa; **Gupta, S.K.**; Wani, Khursheed Ahmad (2012). Performance of Anaerobic Batch Reactor for Removal of Cyanide from Coke Oven Effluent. **Asian J. Exp. Biol. Sci.**, 3(2), 259-266.

7. Srikanth Chandragupta Grandhi, Lopa Mudra Shashwat Pandey, **Sunil Kumar Gupta** and Gurdeep Singh (2011). Comparative evaluation of high rate anaerobic processes for treatment of distillery spent wash. **Journal of Industrial Research & Technology**, 1(1), xx-xx.
8. Basu M, **Gupta SK**, Singh G, Mukhopadhyay U (2011) Multi-route risk assessment from trihalomethanes in drinking water supplies. **Environ Monit Assess.** 178(1-4):121-34.
9. Sunil Kumar Gupta, S.K. Gupta, Gurdeep Singh (2010) Anaerobic hybrid reactor: a promising technology for treatment of distillery spent wash, **Environment and Pollution**, 43, 1/2/3, pp.221 – 235.
10. Richa Sharan, **Sunil Kumar Gupta** and Gurdeep Singh (2010). Removal of Cyanide from aqueous solution using Fly Ash. **Applied Environmental Sciences**, 5 (3) 463-473.
11. Mitra Shibam, **Gupta S.K.**, and Singh Gurdeep (2010). Anaerobic Pilot-Scale Treatment of a Tetrachloroethylene Rich Synthetic Effluent with Morphological Study of the Granules. **International Journal of Applied Environmental Sciences**. Volume 5 (5). Pp 749-763.
12. Richa Sharan, Gurdeep Singh and **Sunil Kumar Gupta**, (2009). Adsorption of phenol from aqueous Solution onto Fly Ash from a Thermal Power Plant. **Adsorption Science and Technology**, 27, (3), 267-279.
13. **Gupta, S.K.** and Singh, Gurdeep (2008). A Review of Municipal Solid Waste Generation and Characteristics in Indian Cities. **Int. Journal of Indian School of Mines III**, 25-34.
14. **Gupta, Sunil Kumar** and Gupta, S. K. (2007). Bio-degradation of Distillery Spent Wash in Anaerobic Hybrid Reactor. **Water Research**, (41) 721-730.
15. Singh, Gurdeep, **Gupta, S.K.**, Kumar, Ritesh, and Sunderarajan, M. (2007). Dispersion Modeling of Leachates from Ash Ponds of Thermal Power Plants. **Env. Engineering**, 133(12) 1088-1097.

16. **Gupta, S.K.** and Singh, Gurdeep (2007). Assessment of the Efficiency and Economic Viability of Various Methods of Treatment of Sanitary Landfill leachate". **Env. Monitoring and Assessment**, 135: 107-117.
17. Singh, Gurdeep, **Gupta, S.K.**, Kumar, Ritesh, and Sunderarajan, M. (2007). Mathematical Modeling of Leachates from Ash Ponds of Thermal Power Plants. **Env. Monitoring and Assessment**, 130 (1-3) 173-185.
18. Singh, Gurdeep, **Gupta, S.K.**, Kumar, Ritesh, and Sunderarajan, M. (2007). Dispersion Modeling of Leachates from Ash Ponds of Thermal Power Plants. **Env. Engineering**, 133(12) 1088-1097.
19. Gupta Sunil Kumar and **Gupta, S. K.** (2007). Anaerobic Hybrid Reactor - A Promising Technology for the Treatment of Distillery Spent Wash. **Int. J. of Indian School of Mines**. 2 (1) 25-38.
20. **Gupta, Sunil Kumar**, and Gupta, S.K. (2005). Morphological studies of granules in UASB and hybrid reactors. **Clean Techn. Environ. Policy**, (7) 203-212.

#### **Research Papers in International Conferences/Congress**

1. Mishra B K, **Gupta S K**, Sinha A, (2013). Significance and Importance of Water Quality Parameters for Predictive Modeling Approach of Disinfection Byproduct (DBP) in Drinking Water - A Review. **2nd Annual International Conference on Sustainable Energy and Environmental Sciences**. Singapore, 25-26 Feb.
2. Tomar Swati, **Gupta S.K.** (2013). Early start-up of Anmox Reactor – A Review. **Int. Conference on Sustainable innovative Techniques in Civil and Environmental Engineering** organised during 5-6 June, 2013, at JNU, New Delhi.
3. **Gupta, S.K.** (2012). Investigation of Low Cost Adsorbent for Removal Of Arsenic From Drinking Water. **Fifth International Conference in Ground Water Conference (IGWC 2012)**, organised during December 18-21, 2012, at Aurangabad, Maharashtra, India
4. Kumari, Minashree, **Gupta, S. K.** (2012). Factors influencing the formation of disinfection by-products in Eastern part of India. **International conference on**

- anthropogenic impact on environment and conservation strategy (AIECS 2012)**. Organised during 2-4 November, 2012, *Souvenir & Abstracts*. P-16.
5. Tomar Swati, **Gupta S.K.** (2012). Emerging Technologies for the removal of ammonical nitrogen from wastewater. **International conference on anthropogenic impact on environment and conservation strategy (AIECS 2012)**. Organised during 2-4 November, 2012, *Souvenir & Abstracts*. P-16.
  6. Richa Sharan, **Sunil Kumar Gupta** and Gurdeep Singh, (2010). Adsorption of Cyanide from Aqueous Solution on Fly Ash. **International Conference on Mother Earth: Save it for future generation**, University of Burdwan, Burdwan, 13-15 Feb, 2010.
  7. Mrityika Basu, **S.K. Gupta**, Gurdeep Singh, Ujjal Mukhopadhyay (2010). Estimation of potential cancer risk of trihalomethanes from drinking water supplies. **International Conference on 'Mother Earth: Save it for Future Generations'**, Burdwan University, 13-15 Feb, 2010.
  8. Mitra Shibam, **Gupta S.K.**, and Singh Gurdeep (2010). Treatment of Tetrachloroethylene in Anaerobic Hybrid Reactor. **An International Perspective on Current & Future State of Water Resources & the Environment**, IIT Madras, 5-7 January, 2010.
  9. Richa Sharan, Sunil Kumar Gupta and Gurdeep Singh (2010). Removal of Cyanide from aqueous solution using Fly Ash. **5<sup>th</sup> International Conference on Environmental Science and Technology**, Houston, Texas, 12-16<sup>th</sup> July, 2010.
  10. Mrityika Basu, **S.K. Gupta**, Gurdeep Singh (2009). Chlorination by-product and their removal from drinking water. **ISA-RC-24-International Conference on water , Environment, Energy and Society**, Agra University, 28-30 June, 2009.
  11. Mitra Shibam, **Gupta S.K.**, and Singh Gurdeep (2009). Characteristics of sludge granules treating trichloroethylene in anaerobic hybrid reactor. **International conference on recent trend in life science researches vis-a-vis natural resource management, sustainable and human welfare**, Vinoba Bhave University, Jharkhand, India, 27 to 29 June 2009, pp 116.

12. Mrittika Basu, **S.K. Gupta**, Gurdeep Singh (2009). Occurrence of Disinfection By-Products in drinking water supplies. **International Congress on Recent advances in Environmental Science and Technology**, BHU, 2-4 Nov, 2009.
13. Mitra Shibam, **Gupta S.K.**, and Singh Gurdeep. "Characteristics of Sludge Granules Treating Tetrachloroethylene in Anaerobic Hybrid Reactor". **International conference on emerging Technologies in environmental science and engineering**. Aligarh Muslim University, 26-28 October, 2009.
14. **Gupta Sunil Kumar** and Gupta, S. K. (2007). Treatment of Distillery Spent Wash in UASB and Hybrid Reactors. In Proc. of **Int. Conference on Environmental Science and Technology** held at Houston, Texas, USA on Aug. 6-9, 2007. 1, 304-311.
15. **Gupta, Sunil Kumar**, and Gupta, S.K. (2004). Anaerobic digestion of spent wash by hybrid and UASB reactor. **Int. Conf. "Anaerobic Digestion Congress-AD10"** Montreal, Canada. 809-814.

#### **Research Papers in National Journals/Conferences/Congress**

1. Kumari, Minashree., **Gupta, S.,K.** (2012).Disinfection by-products formation and their removals from drinking water- A review.UGC sponsored **National seminar on Biodiversity: Its conservation and sustainable development for human welfare**. Souvenir & Abstracts. P-74.
2. Kumari, Minashree., **Gupta, S., K.** (2012). Chlorination by-products formation and their removals from drinking water. National conference on environmental problems and their remedial measures (EPRM-2012). *Souvenir & Abstracts*. P-27.
3. Perween, Neha., **Gupta, S., K.** (2012). Current practices and future challenges in disinfection of water for controlling THMs. **National conference on environmental problems and their remedial measures (EPRM-2012)**, Souvenir & Abstracts. P-28.
4. Bhattacharya, Debleena., **Gupta, S., K.** (2012).Biodegradation of antibiotic residuals in the effluent of pharmaceutical industry- A review.UGC sponsored

**National seminar on Biodiversity: Its conservation and sustainable development for human welfare. *Souvenir & Abstracts*.P-66**

5. Mitra Shibam, **Gupta S.K.**, and Singh Gurdeep (2010). Biodegradation of tetrachloroethylene in anaerobic hybrid reactor. **National Seminar on Electronic Waste (NASEW-2010)**, Jamshedpur, 21-22 January, 2010.
6. Mrittika Basu, **S.K. Gupta**, Gurdeep Singh, Ujjal Mukhopadhyay (2010). Factors Influencing The Formation Of Disinfection By-Products in Drinking Water Supplies in Eastern Part of India. **Workshop cum Seventeenth National Symposium on Environment (NSE-17)**, IIT Kanpur, 13 – 15 May, 2010.
7. **Gupta, Sunil Kumar**, and Gupta, S.K. (2003). “Treatment of Distillery Spent Wash by Hybrid and UASB Reactors”. **In National Conference on Advances in Environmental Science and Engineering**, Indian Institute of Technology, Bombay, Mumbai (8-9 December, 2003).