

RESEARCH PUBLICATIONS

1. Kumari, M., Gupta, S.K., (2020). A novel process of adsorption cum enhanced coagulation-flocculation spiked with magnetic nanoadsorbents for the removal of aromatic and hydrophobic fraction of natural organic matter along with turbidity from drinking water. *Journal of Cleaner Production* 244,118899.
2. Puja Anchal¹ & Minashree Kumari¹ & Sunil Kumar Gupta¹ (2020). Human health risk estimation and predictive modeling of halogenated disinfection by- products (chloroform) in swimming pool waters: a case study of Dhanbad, Jharkhand, India. *Journal of Environmental Health Science and Engineering*: <https://doi.org/10.1007/s40201-020-00578-6>
3. Kumari, M., **Gupta, S.K.**, (2020). Water quality assessment, statistical analysis and kinetics of trihalomethanes formation in drinking water supplies - a complete batch study. *Environmental Engineering and Management Journal*, 19 (3) 427-438. (Q4, IF. 1.186)
4. Mahato, J. K., & Gupta, S. K. (2020). Modification of Bael fruit shell and its application towards Natural organic matter removal with special reference to predictive modeling and control of THMs in drinking water supplies. *Environmental Technology & Innovation*, 18, 100666.
5. Kumari, M., Gupta, S.K., (2019). Response surface methodological (RSM) approach for optimizing the removal of trihalomethanes (THMs) and its precursor's by surfactant modified magnetic nanoadsorbents (MNPs) - An endeavor to diminish probable cancer risk. *Scientific Reports* 9(1),18339
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14. Kumari, M., & Gupta, S. K. (2018). Age dependent adjustment factor (ADAF) for the estimation of cancer risk through trihalomethanes (THMs) for different age groups-A innovative approach. *Ecotoxicology and Environmental Safety*, 148, 960-968.
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22. Tomar, S., & Gupta, S. K. (2017). Symbiosis of denitrification, anammox and anaerobic pathways—An innovative approach for confiscating the major bottlenecks of anammox process. *Chemical Engineering Journal*, 313, 355-363.
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Book Chapter

1. Jaydev Kumar Mahato and Sunil Kumar Gupta (2021). Efficacy Evaluation of Conventional Water Treatment Process and THMs Modeling in Drinking Water of Five Cities in India. In book: *Sustainability in Environmental Engineering and Science*. DOI: 10.1007/978-981-15-6887-9_10
2. Mendhe, V. A., Mishra, S., Singh, A. P., Kamble, A. D., Bannerjee, M., & Gupta, S. K. (2018). Management of Coalbed Methane and Coal Mine Produced Water for Beneficial Use in Damodar Basin of India. In *Water Resources Management* (pp. 283-296). Springer, Singapore.
3. Yadav, B. D., Gupta, S. K., & Singh, S. (2018). Study of Suction Versus Water Content of Soil of Turamdih Area Mixed with Bentonite and Its Implication on the Liner Property of Tailing Dam: A Case Study of East Singhbhum, Jharkhand, Eastern India. In *Water Resources Management* (pp. 179-191). Springer, Singapore.
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