

S. No	Publication Details of Prof. Alok Sinha
1.	Ujjwal, R., Abhrajyoti Tarafdar, Kamal, N., Burman, I., & Sinha, A. (2025). Development of Innovative Fluorescence Detection Technique Using Nano Carbon Quantum Dots (NCQD) for Rapid Quantification of Most Probable Number (MPN) in Water. International Journal of Environmental Research , 19(2), 59. DOI:10.1007/s41742-024-00708-0
2.	Agrawal, P., Sinha, J., Jangre, N., Kumar, F., Sinha, A., Singh, A., ... & Pasupuleti, S. (2025). Developing an efficient and optimized irrigation plan under varying water-supply regimes. Ain Shams Engineering Journal , 16(2), 103272. DOI:10.1016/j.asej.2025.103272 3
3.	Islam, R., Sinha, A., Hussain, A., Usama, M., Ali, S., Ahmed, S., ... & Deshmukh, K. (2024). Application of Monte Carlo simulation and artificial neural network model to probabilistic health risk assessment in fluoride-endemic areas. <i>Heliyon</i> , 10(24). DOI: 10.1016/j.heliyon. 2024.e40887
4.	Singh, A., Durbha, K. S., Sinha, A., & Pasupuleti, S. (2024). Comparative assessment of fluoride and arsenic mobilization mechanisms among the groundwater of the major affected river basins of India. Water Supply , 24(9), 2969-2998. DOI: 10.2166/ws.2024.196
5.	Burman, I., & Sinha, A. (2024). Economic evaluation of submerged anaerobic hybrid membrane bioreactor operating at mesophilic temperature. Environmental Science and Pollution Research , 31(33), 45808-45817. DOI: 10.1007/s11356-024-34249-y
6.	Kumari, A., Sinha, A., Singh, D. B., & Pasupuleti, S. (2024). Source apportionment and health risk assessment in chromite mining area: Insights from entropy water quality indexing and Monte Carlo simulation. Process Safety and Environmental Protection , 184, 526-541. DOI: 10.1016/j.psep.2024.01.091
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9.	Verma, S., & Sinha, A. (2023). Appraisal of groundwater arsenic on opposite banks of River Ganges, West Bengal, India, and quantification of cancer risk using Monte Carlo simulations. Environmental Science and Pollution Research , 30(10), 25205-25225. DOI: 10.1007/s11356-021-17902-8
10.	Sivodia, C., & Sinha, A. (2023). Advanced treatment methods for the emerging contaminants: an insight into the removal of anticancer drugs. In Persistent pollutants in water and advanced treatment technology (pp. 197-211). Singapore: Springer Nature Singapore . DOI: 10.1007/978-981-99-2062-4_8
11.	Sinha, A., Singh, S. P., & Gupta, A. B. (2023). Introduction to Persistent Pollutants in Water and Advanced Treatment Technology. In Persistent Pollutants in Water and Advanced Treatment Technology (pp. 3-7). Singapore: Springer Nature Singapore . DOI: 10.1007/978-981-99-2062-4_1
12.	Singh, R., Sinha, A., & Ken, D. S. (2023). Occurrence of phthalates in the environment, their toxicity, and treatment technologies. In Persistent Pollutants in Water and Advanced Treatment Technology (pp. 97-131). Singapore: Springer Nature Singapore . DOI: 10.1007/978-981-99-2062-4_5
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	Nanotechnology for Environmental Remediation , 45-57. DOI: 10.1002/9783527834143.ch4
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19.	Upadhyay, S., & Sinha, A. (2022). Waste Management in Indian Pharmaceutical Industries. In <i>Environmental Management in India: Waste to Wealth</i> (pp. 89-100). Cham: Springer International Publishing . DOI: 10.1007/978-3-030-93897-0_5
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21.	Sivodia C., Sinha A. 2022. Clay Supported Zero Valent Iron Nanocomposites: Advancement in the Field of Green Catalyst for Abatement of Persistent Pollutant. Energy, Environment, and Sustainability , pp. 311 – 331. DOI: 10.1007/978-981-16-8367-1_14
22.	Burman I., Sinha A. 2022 Impact Assessment of Mixed Liquor Suspended Solids from Polyurethane Media Effluent on Ceramic Membrane Fouling in Anaerobic Hybrid Membrane Bioreactor. Journal of Environmental Engineering (United States) , 148 (1), art. no. 04021076, DOI: 10.1061/(ASCE)EE.1943-7870.0001956 Q4
23.	Agrawal P., Sinha A., Kumar S., Agarwal A., Banerjee A., Villuri V.G.K., Annavarapu C.S.R., Dwivedi R., Dera V.V.R., Sinha J., Pasupuleti S. 2022. Exploring artificial intelligence techniques for groundwater quality assessment. Water (Switzerland) , 13 (9), art. no. 1172. DOI: 10.3390/w13091172
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