

List of publications of Dr Alok Sinha

Sl. No	Publication Details (Author's Name, Title of the Paper, Journal Name, Volume, No., Year of Publication, Page No.)	Indexed in (SCI/SCIE/SSCI/AHCI/SCOPUS)
1	Upadhyay, S., Saha, A.K., Sinha, A. , "High carbon iron filings (HCIF) and metal reducing bacteria (<i>Serratia</i> sp.) co-assisted Cr (VI) reduction: Kinetics, mechanism and longevity" Published in <i>Journal of Environmental Management</i> , 2019	SCI
2	Tarafdar A., Sinha, A. "Discussion on the technical note entitled, "public health risk assessment following exposure to PAH-contaminated soils - specific considerations for bioaccessibility and other exposure parameters" Published in <i>Science of the Total Environment</i> , 2019	SCI
3	Priya, K.S., Burman, I., Tarafdar, A., Sinha, A. , "Impact of Ammonia Nitrogen on COD Removal Efficiency in Anaerobic Hybrid Membrane Bioreactor Treating Synthetic Leachate", Published in <i>International Journal of Environmental Research</i> , 2019	SCI
4	Sukla Saha, Alok Sinha , "A review on treatment of acid mine drainage with waste materials: A novel approach", Published in <i>Global Nest Journal</i> , 2018	SCI
5.	Sukla Saha, Priti Saha, Alok Sinha , "Assessment of hazard on human health and aquatic life in acid mine drainage treated with novel technique ", Published in the <i>Human and Ecological Risk Assessment</i> , 2018.	SCI
6.	Abhrajyoti Tarafdar, Tarun Kanti Sarkar, Sourav Chakraborty, Alok Sinha , Reginald E Masto, "Biofilm development of <i>Bacillus thuringiensis</i> on MWCNT buckypaper: Adsorption-synergic biodegradation of phenanthrene.", Published in the <i>Ecotoxicology and environmental safety</i> , Vol. 157., 2018.	SCI
7.	Abhrajyoti Tarafdar, Alok Sinha , "Public health risk assessment with bioaccessibility considerations for soil PAHs at oil refinery vicinity areas in India ", Published in the <i>Science of the Total Environment</i> , Vol. 616., 2018, pp 1477-1484.	SCI
8.	Amal Krishna Saha, Alok Sinha , Srinivas Pasupuleti, "Modification, characterization and investigations of key factors controlling the transport of modified nano zero-valent iron (nZVI) in porous media ", <i>Environmental Technology</i> (United Kingdom) , 2018.	SCI
9.	Isha Burman , Alok Sinha , "Performance evaluation and substrate removal kinetics in an up-flow anaerobic hybrid membrane bioreactor treating simulated high-strength wastewater", <i>Environmental Technology</i> (United Kingdom) ,2018.	SCI
10.	Abhrajyoti Tarafdar, Alok Sinha , "Health risk assessment and source study of PAHs from roadside soil dust of a heavy mining area in India ", Published in the Archives of <i>Environmental and Occupational Health</i> , Vol. 73, 2018	SCI

11.	Sourav Kumar Mondal, Amal Krishna Saha, Alok Sinha , "Removal of ciprofloxacin using modified advanced oxidation processes: Kinetics, pathways and process optimization ", Published in the Journal of Cleaner Production, Vol. 171, 2018, pp 1203-1214.	SCI
12	Abhrajyoti Tarafdar, Alok Sinha, "Cancer Risk Assessment of Polycyclic Aromatic Hydrocarbons in the Soils and Sediments of India: A Meta-Analysis", Published in the Environmental Management, Vol. 60., 2017, pp 784-795.	SCI
13	Abhrajyoti Tarafdar, Alok Sinha , Reginald E Mastro, "Biodegradation of anthracene by a newly isolated bacterial strain, Bacillus thuringiensis AT.ISM.1, isolated from a fly ash deposition site ", Published in the Letters in Applied Microbiology, Vol. 65, 2017, pp 327-334.	SCI
14.	Abhrajyoti Tarafdar, Alok Sinha , "Estimation of decrease in cancer risk by biodegradation of PAHs content from an urban traffic soil ", Published in the Environmental Science and Pollution Research, Vol. 24, 2017, pp 10373-10380.	SCI
15.	Brijesh Kumar Mishra, Tanwi Priya , Sunil Kumar Gupta, Alok Sinha, "Modeling and characterization of natural organic matter and its relationship with the thms formation ", Published in the Global Nest Journal , Vol. 18, 2016, pp 803-816.	SCI
16.	Abhrajyoti Tarafdar, Tarun Kanti Sarkar, Sourav Chakraborty, Alok Sinha , Reginald E Mastro, "Biofilm development of Bacillus thuringiensis on MWCNT buckypaper: Adsorption-synergic biodegradation of phenanthrene.", Published in the Ecotoxicology and environmental safety, Vol. 157, 2018	SCI
17.	Shahjad Ali, Minashree Kumari, Sunil Kumar Gupta, Alok Sinha , Brijesh Kumar Mishra, "Investigation and mapping of fluoride-endemic areas and associated health risk—A case study of Agra, Uttar Pradesh, India ", Published in the Human and Ecological Risk Assessment, Vol. 23, 2017, pp 590-604.	SCI
18.	Anjali G Lothe, Alok Sinha , "Development of model for prediction of Leachate Pollution Index (LPI) in absence of leachate parameters ", Published in the Waste Management, Vol. 63, May 2017, pp 327-336.	SCI
19.	Shruti Chawda, Abhrajyoti Tarafdar, Alok Sinha , Brijesh Kumar Mishra, "Profiling and Health Risk Assessment of PAHs Content in Tandoori and Tawa Bread from India ", Published in the Polycyclic Aromatic Compounds, 2017. DOI: 10.1080/10406638.2017.1349679	SCI
20.	Pruthvi Patolia, Alok Sinha , "Fluoride contamination in Gharbar Village of Dhanbad District, Jharkhand, India: source identification and management ", Published in the Arabian Journal of Geosciences , Vol. 10, 2017.	SCI
21.	Raja Kumar, Alok Sinha , "Biphasic reduction model for predicting the impacts of dye-bath constituents on the reduction of tris-azo dye Direct Green-1 by zero valent iron (Fe ⁰) ", Published in the Journal of Environmental Sciences (China) , [I.F. - 3.120 Index in :] Vol. 52, Feb 2017, pp 160-169.	SCI
22.	Raja Kumar, Alok Sinha , Gautam C Mondal, Reginald E Mastro, "Effective scrap iron particles (SIP) pre-treatment for complete mineralization of benzidine based azo dye effluent ", Published in the Arabian Journal of Chemistry, 2017.	SCI

23.	Raja Kumar, Alok Sinha, "Zero valent iron-mediated rapid removal of bis-azo dye in solution amended with dyebath additives: Biphasic kinetics and modelling ", Published in the Korean Journal of Chemical Engineering, Vol. 33, 2016, pp 3281-3288.	SCI
24.	Raja Kumar, Alok Sinha, "Impacts of dyebath auxiliaries on the reductive discoloration of Acid Orange 7 dye by high-carbon iron filings", Published in the Water Science and Technology , Vol. 74, 2016, pp 1217-1226.	SCI
25.	Yangdup Lama, Alok Sinha, Gurdeep Singh, Reginald E Masto, "Reductive dehalogenation of endosulfan by cast iron: Kinetics, pathways and modeling ", Published in the Chemosphere , Vol. 150, 2016, pp 772-780.	SCI
26.	Yangdup Lama, Alok Sinha, Gurdeep Singh, Sanjeev Anand Sahu, Brijesh Kumar Mishra, "Modeling the impacts of corrosion product formation on simultaneous sorption and reductive dehalogenation of organochlorine pesticide aldrin by high carbon iron filings (HCIF).", Published in the Desalination and Water Treatment, Vol. 57, No. 16, 2016, pp 7155-7165.	SCIE
27.	Mukherjee Ritika, Rahul Kumar, Alok Sinha, Yangdup Lama, Amal Krishna Saha, "A review on synthesis, characterization, and applications of nano zero valent iron (nZVI) for environmental remediation.", Published in the Critical Reviews in Environmental Science and Technology, Vol. 46, 2016, pp 443-466.	SCI
28.	Suman Swapnil, Alok Sinha, Abhrajyoti Tarafdar, "Polycyclic aromatic hydrocarbons (PAHs) concentration levels, pattern, source identification and soil toxicity assessment in urban traffic soil of Dhanbad, India", Published in the Science of the Total Environment, Vol. 545, 2016, pp 353-360.	SCI
29.	Raja Kumar, Alok Sinha, "Reductive transformation and enhancement in biodegradability of mono-azo dye by high carbon iron filings (HCIF)", Published in the Desalination and Water Treatment, Vol. 57, 2016, pp 3205-3217.	SCIE
30.	Yangdup Lama, Alok Sinha, Gurdeep Singh, "Reductive dehalogenation of Aldrin by cast Iron", Published in the Ecology, Environment and Conservation, Vol. 2, 2015.	SCOPUS
31.	Gunjan Pandey, Alok Sinha, Sunny Agrawal, "Impacts of leachate percolation on ground water quality: A case study of Dhanbad city", Published in the Global Nest Journal, Vol. 17, 2015, pp 162-174.	SCI
32.	Ritika Mukherjee, Alok Sinha, Yangdup Lama, Vipin Kumar, "Utilization of Zero Valent Iron (ZVI) particles produced from steel industry waste for in-situ remediation of ground water contaminated with organo-chlorine pesticide heptachlor", Published in the International Journal of Environmental Research, Vol. 9, 2015, pp 19-26.	SCI
33.	Alok Sinha, Purnendu Bose, "Modeling of 2-chloronaphthalene interaction with high carbon iron filings (HCIF) in semi-batch and continuous systems", Published in the Environmental Science and Pollution Research, Vol. 21, 2014, pp 10442-10452.	SCI
34.	Srivastava, Rajneesh K Kumar Rajneesh , Gaurav Kumar Yadav, Alok Sinha, Brijesh Kumar Mishra, "Comparative Study for Reduction of Hexavalent Chromium by High Carbon Iron Filings	SCOPUS

	(HCIF) and Electrolytic Iron: Mass Transfer Limitations", Published in the Asian Journal of Chemistry , Vol. 27, No. 4, 2015.	
35.	Brijesh Kumar Mishra, Sunil Kumar Gupta, Alok Sinha, "Human health risk analysis from disinfection by-products (DBPs) in drinking and bathing water of some Indian cities", Published in the Journal of Environmental Health Science and Engineering, Vol. 12, 2014.	SCI
36.	Alok Sinha, Purnendu Bose, "2-Chloronaphthalene Dehalogenation by High Carbon Iron Filings (HCIF): Impact of Formation of Corrosion Products on HCIF Surface", Published in the Environmental Engineering Science, Vol. 28, 2011, pp 701-710.	SCI
37.	Gurdeep Singh, Alok Sinha, "Phytoremediation of Cr(VI) Laden Waste by Eichhornia crassipes", Published in the Int. J. Environmental Technology and Management, 2011, pp 33-42.	SCOPUS
38.	Alok Sinha, Purnendu Bose, "Interaction of 2,4,6-Trichlorophenol with High Carbon Iron Filings: Reaction and Sorption Mechanisms", Published in the Journal of hazardous materials, Vol. 164, 2015, pp 301-309.	SCI
39.	Alok Sinha, Purnendu Bose, "Interaction Of Chloroethanes And Chloroethenes With Un-Rusted And Rusted High Carbon Iron Filings", Published in the Environmental Engineering Science, Vol. 26, 2009, pp 61-70.	SCI
40.	Alok Sinha, Purnendu Bose, "Interaction Of 2-Chloronaphthalene with High Carbon Iron Filings (HCIF): Adsorption, Dehalogenation And Mass Transfer Limitations", Published in the Journal of Colloid and Interface Science, Vol. 314, 2007, pp 552-561.	SCI
41.	Alok Sinha, Purnendu Bose, "Dehalogenation of 2-chloronaphthalene by cast iron", Published in the Water Air and Soil Pollution, Vol. 172, 2006, pp 375-390	SCI