

# Nitin Kumar Singh

## List of Publications by Year in descending order

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Version: 2024-02-01

34  
papers

760  
citations

471509  
17  
h-index

526287  
27  
g-index

34  
all docs

34  
docs citations

34  
times ranked

678  
citing authors

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | Municipal Wastewater Treatment Using <i>Moringa oleifera</i> Seed and Press Cake Powder: A Comparative Analysis. <i>Clean - Soil, Air, Water</i> , 2023, 51, .   | 1.1  | 2         |
| 2  | Investigations on air quality of a critically polluted industrial city using multivariate statistical methods: Way forward for future sustainability. <i>Chemosphere</i> , 2022, 291, 133024.  | 8.2  | 9         |
| 3  | A state-of-the-art review on WWTP associated bioaerosols: Microbial diversity, potential emission stages, dispersion factors, and control strategies. <i>Journal of Hazardous Materials</i> , 2021, 410, 124686.   | 12.4 | 27        |
| 4  | Organizational resilience and social-economic sustainability: COVID-19 perspective. <i>Environment, Development and Sustainability</i> , 2021, 23, 12006-12023.  | 5.0  | 98        |
| 5  | Greenhouse gases emission control in WWTS via potential operational strategies: A critical review. <i>Chemosphere</i> , 2021, 273, 129694.   | 8.2  | 39        |
| 6  | Environmental sustainability assessment of a fixed media based and package type integrated fixed-film activated sludge reactor in India: A damage-oriented approach. <i>Journal of Cleaner Production</i> , 2020, 250, 119438.   | 9.3  | 12        |
| 7  | Bioreactor and bioprocess technology for bioremediation of domestic and municipal wastewater. , 2020, , 251-273.   |      | 5         |
| 8  | Parametric and kinetic investigations on segregated and mixed textile effluent streams using <i>Moringa oleifera</i> seed powders of different sizes. <i>Journal of Water Process Engineering</i> , 2020, 34, 101159.  | 5.6  | 21        |
| 9  | Bacterial Production of Organic Acids and Subsequent Metabolism. , 2020, , 153-173.  |      | 1         |
| 10 | Ensuring sustainability of conventional aerobic wastewater treatment system via bio-augmentation of aerobic bacterial consortium: An enhanced biological phosphorus removal approach. <i>Journal of Cleaner Production</i> , 2020, 262, 121328.  | 9.3  | 15        |
| 11 | Metabolic Products of Mixed Culture Fermentation. , 2020, , 75-92.   |      | 0         |
| 12 | Efficacy analysis of a field scale IFAS reactor under different aeration strategies applied at high aeration rates: A statistical comparative analysis for practical feasibility. <i>Journal of Water Process Engineering</i> , 2019, 27, 185-192.                                       | 5.6  | 10        |
| 13 | Source apportionment of particulate matter, gaseous pollutants, and volatile organic compounds in a future smart city of India. <i>Urban Climate</i> , 2019, 28, 100470.   | 5.7  | 18        |
| 14 | Multivariate statistical assessment of ambient air pollution in two coalfields having different coal transportation strategy: A comparative study in Eastern India. <i>Journal of Cleaner Production</i> , 2019, 207, 97-110.  | 9.3  | 26        |
| 15 | Effect of intermittent aeration cycles on EPS production and sludge characteristics in a field scale IFAS reactor. <i>Journal of Water Process Engineering</i> , 2018, 23, 230-238.  | 5.6  | 26        |
| 16 | Performance and Cost Analysis of Decentralized Wastewater Treatment Plants in Northern India: Case Study. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2018, 144, 05017024.  | 2.6  | 22        |
| 17 | Characterization of indoor settled dust and investigation of indoor air quality in different micro-environments. <i>International Journal of Environmental Health Research</i> , 2018, 28, 419-431.  | 2.7  | 28        |
| 18 | Effect of intermittent aeration on microbial diversity in an intermittently aerated IFAS reactor treating municipal wastewater: A field study. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2017, 52, 440-448. | 1.7  | 21        |

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|----|--|-----|-----------|
| 19 | Effect of intermittent aeration strategies on treatment performance and microbial community of an IFAS reactor treating municipal waste water. <i>Environmental Technology (United Kingdom)</i> , 2017, 38, 2866-2876.                             | 2.2 | 20        |
| 20 | Environmental impact assessment of a package type IFAS reactor during construction and operational phases: a life cycle approach. <i>Water Science and Technology</i> , 2017, 75, 2246-2256.   | 2.5 | 14        |
| 21 | Isotherm investigation for the sorption of fluoride onto Bio-F: comparison of linear and non-linear regression method. <i>Applied Water Science</i> , 2017, 7, 4793-4800.  | 5.6 | 22        |
| 22 | Nitrogen and carbon removal efficiency of a polyvinyl alcohol gel based moving bed biofilm reactor system. <i>Water Science and Technology</i> , 2016, 73, 1511-1519.  | 2.5 | 25        |
| 23 | Substrate removal kinetics and performance assessment of a vermifilter bioreactor under organic shock load conditions. <i>Water Science and Technology</i> , 2016, 74, 1177-1184.  | 2.5 | 6         |
| 24 | A pilot-scale study on PVA gel beads based integrated fixed film activated sludge (IFAS) plant for municipal wastewater treatment. <i>Water Science and Technology</i> , 2016, 73, 113-123.  | 2.5 | 21        |
| 25 | Treatment performance and microbial diversity under dissolved oxygen stress conditions: Insights from a single stage IFAS reactor treating municipal wastewater. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2016, 65, 197-203. | 5.3 | 30        |
| 26 | Environmental performance and microbial investigation of a single stage aerobic integrated fixed-film activated sludge (IFAS) reactor treating municipal wastewater. <i>Journal of Environmental Chemical Engineering</i> , 2016, 4, 2225-2237.    | 6.7 | 29        |
| 27 | Post treatment of UASB effluent by using inorganic coagulants: Role of zeta potential and characterization of solid residue. <i>Journal of Environmental Chemical Engineering</i> , 2016, 4, 1495-1503.  | 6.7 | 9         |
| 28 | Alleviation of toxic hexavalent chromium using indigenous aerobic bacteria isolated from contaminated tannery industry sites. <i>Preparative Biochemistry and Biotechnology</i> , 2016, 46, 517-523.   | 1.9 | 9         |
| 29 | Environmental performance of an integrated fixed-film activated sludge (IFAS) reactor treating actual municipal wastewater during start-up phase. <i>Water Science and Technology</i> , 2015, 72, 1840-1850.                                       | 2.5 | 17        |
| 30 | Methyl red degradation under UV illumination and catalytic action of commercial ZnO: a parametric study. <i>Desalination and Water Treatment</i> , 2015, 56, 1066-1076.  | 1.0 | 14        |
| 31 | Sulfide Production Control in UASB Reactor by Addition of Iron Salt. <i>Journal of Environmental Engineering, ASCE</i> , 2015, 141, 06014008.  | 1.4 | 4         |
| 32 | A review on full-scale decentralized wastewater treatment systems: techno-economical approach. <i>Water Science and Technology</i> , 2015, 71, 468-478.  | 2.5 | 129       |
| 33 | Adsorption of F on Bio-Filter sorbent: kinetics, equilibrium, and thermodynamic study. <i>Desalination and Water Treatment</i> , 2015, 56, 463-474.  | 1.0 | 3         |
| 34 | Solar light-induced photocatalytic degradation of methyl red in an aqueous suspension of commercial ZnO: a green approach. <i>Desalination and Water Treatment</i> , 2015, 53, 501-514.  | 1.0 | 28        |