

# Smita Raghuuvanshi

## List of Publications by Year in descending order

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Version: 2024-02-01

16  
papers

179  
citations

1162367

8  
h-index

1125271

13  
g-index

17  
all docs

17  
docs citations

17  
times ranked

177  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Experimental studies and kinetic modeling for removal of methyl ethyl ketone using biofiltration. <i>Bioresource Technology</i> , 2009, 100, 3855-3861.  | 4.8 | 39        |
| 2  | Biofiltration for removal of methyl isobutyl ketone (MIBK): Experimental studies and kinetic modelling. <i>Environmental Technology (United Kingdom)</i> , 2010, 31, 29-40.  | 1.2 | 21        |
| 3  | Biodegradation kinetics of methyl iso-butyl ketone by acclimated mixed culture. <i>Biodegradation</i> , 2010, 21, 31-42.   | 1.5 | 17        |
| 4  | A comprehensive study on the behavior of a novel bacterial strain <i>Acinetobacter guillouiae</i> for bioremediation of divalent copper. <i>Bioprocess and Biosystems Engineering</i> , 2015, 38, 1749-1760.   | 1.7 | 13        |
| 5  | Energetic assessment of fixation of CO <sub>2</sub> and subsequent biofuel production using <i>B. cereus</i> SM1 isolated from sewage treatment plant. <i>Bioprocess and Biosystems Engineering</i> , 2016, 39, 1247-1258.                             | 1.7 | 13        |
| 6  | Life Cycle Assessment of Filtration Systems of Reverse Osmosis Units: A Case Study of a University Campus. <i>Procedia CIRP</i> , 2016, 40, 268-273.   | 1.0 | 12        |
| 7  | Trends in Carbon Dioxide (CO <sub>2</sub> ) Fixation by Microbial Cultivations. <i>Current Sustainable/Renewable Energy Reports</i> , 2020, 7, 40-47.  | 1.2 | 12        |
| 8  | Application of novel thermo-tolerant haloalkalophilic bacterium <i>Halomonas stevensii</i> for bio mitigation of gaseous phase CO <sub>2</sub> : Energy assessment and product evaluation studies. <i>Process Biochemistry</i> , 2017, 55, 133-145.    | 1.8 | 11        |
| 9  | Investigation on CO <sub>2</sub> bio-mitigation using <i>Halomonas stevensii</i> in laboratory scale bioreactor: Design of downstream process and its economic feasibility analysis. <i>Journal of CO<sub>2</sub> Utilization</i> , 2018, 24, 274-286. | 3.3 | 9         |
| 10 | Application of a hybrid biofilter column for the removal of Cr(VI) from aqueous solution using an indigenous bacterial strain <i>Pseudomonas taiwanensis</i> . <i>Bioremediation Journal</i> , 2016, 20, 10-23.  | 1.0 | 6         |
| 11 | Integrated approach for microbial carbon dioxide (CO <sub>2</sub> ) fixation process and wastewater treatment for the production of hydrocarbons: Experimental studies. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105116.        | 3.3 | 6         |
| 12 | Estimation of Kinetic Parameters for Bioremediation of Cr(VI) from Wastewater Using <i>Pseudomonas taiwanensis</i> , an Isolated Strain from Enriched Mixed Culture. <i>Bioremediation Journal</i> , 2014, 18, 236-247.                                | 1.0 | 5         |
| 13 | Simultaneous sequestration of ternary metal ions (Cr <sup>6+</sup> , Cu <sup>2+</sup> and Zn <sup>2+</sup> ) from aqueous solution by an indigenous bacterial consortium. <i>Chemical Engineering Research and Design</i> , 2016, 102, 786-798.        | 2.7 | 5         |
| 14 | Carbon dioxide to biofuels by mixed and pure microbial cultures isolated from activated sludge: relative evaluation of CO <sub>2</sub> fixation, biodiesel production, and thermodynamic analysis. , 2019, 9, 1135-1157.                               |     | 4         |
| 15 | Bio-Mitigation of Carbon Dioxide Using <i>Desmodesmus</i> sp. in the Custom-Designed Pilot-Scale Loop Photobioreactor. <i>Sustainability</i> , 2021, 13, 9882.   | 1.6 | 3         |
| 16 | Sequestration of Zn <sup>2+</sup> from aqueous solution using <i>Klebsiella pneumoniae</i> : Batch kinetics and continuous studies. <i>Journal of Water Process Engineering</i> , 2016, 12, 89-104.  | 2.6 | 1         |