

# Rashmi Rathour

## List of Publications by Year in descending order

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16  
papers

949  
citations

687363

13  
h-index

940533

16  
g-index

16  
all docs

16  
docs citations

16  
times ranked

1027  
citing authors

#	ARTICLE	IF	CITATIONS
1	Algae as potential feedstock for the production of biofuels and value-added products: Opportunities and challenges. <i>Science of the Total Environment</i> , 2020, 716, 137116.	8.0	299
2	Bacterial polyhydroxyalkanoates: Opportunities, challenges, and prospects. <i>Journal of Cleaner Production</i> , 2020, 263, 121500.	9.3	145
3	Production and characterization of extracellular polymeric substances (EPS) generated by a carbofuran degrading strain <i>Cupriavidus</i> sp. ISTL7. <i>Bioresource Technology</i> , 2019, 282, 417-424.	9.6	84
4	Multi-criteria research lines on livestock manure biorefinery development towards a circular economy: From the perspective of a life cycle assessment and business models strategies. <i>Journal of Cleaner Production</i> , 2022, 341, 130862.	9.3	64
5	Biodiesel production from lipid of carbon dioxide sequestering bacterium and lipase of psychrotolerant <i>Pseudomonas</i> sp. ISTPL3 immobilized on biochar. <i>Bioresource Technology</i> , 2017, 245, 743-750.	9.6	59
6	A comparative metagenomic study reveals microbial diversity and their role in the biogeochemical cycling of Pangong lake. <i>Science of the Total Environment</i> , 2020, 731, 139074.	8.0	58
7	Biodegradation of pyrene in soil microcosm by <i>Shewanella</i> sp. ISTPL2, a psychrophilic, alkalophilic and halophilic bacterium. <i>Bioresource Technology Reports</i> , 2018, 4, 129-136.	2.7	49
8	Biotechnological potential of rumen microbiota for sustainable bioconversion of lignocellulosic waste to biofuels and value-added products. <i>Science of the Total Environment</i> , 2022, 814, 152773.	8.0	45
9	Multifunctional applications of bamboo crop beyond environmental management: an Indian prospective. <i>Bioengineered</i> , 2022, 13, 8893-8914.	3.2	34
10	Metagenomic Sequencing of Microbial Communities from Brackish Water of Pangong Lake of the Northwest Indian Himalayas. <i>Genome Announcements</i> , 2017, 5, .	0.8	24
11	Genomic insights into waste valorized extracellular polymeric substances (EPS) produced by <i>Bacillus</i> sp. ISTL8. <i>Environmental Research</i> , 2021, 192, 110277.	7.5	20
12	Integrated analysis of Whole genome sequencing and life cycle assessment for polyhydroxyalkanoates production by <i>Cupriavidus</i> sp. ISTL7. <i>Bioresource Technology</i> , 2021, 337, 125418.	9.6	19
13	Degradation and detoxification of phenanthrene by actinobacterium <i>Zhihengliuella</i> sp. ISTPL4. <i>Environmental Science and Pollution Research</i> , 2020, 27, 27256-27267.	5.3	16
14	Integrated approach of whole-genome analysis, toxicological evaluation and life cycle assessment for pyrene biodegradation by a psychrophilic strain, <i>Shewanella</i> sp. ISTPL2. <i>Environmental Pollution</i> , 2021, 269, 116176.	7.5	13
15	Biogeochemical profiling and taxonomic characterization of municipal landfill site by metagenomic sequencing. <i>Bioresource Technology</i> , 2022, 351, 126936.	9.6	13
16	Production and characterization of psychrophilic $\alpha$ -amylase from a psychrophilic bacterium, <i>Shewanella</i> sp. ISTPL2. <i>Amylase</i> , 2020, 4, 1-10.	1.6	7