

# Manish Kumar

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/3086953/manish-kumar-publications-by-year.pdf>

**Version:** 2024-04-23

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

64  
papers

2,241  
citations

27  
h-index

46  
g-index

67  
ext. papers

3,666  
ext. citations

8.1  
avg, IF

5.95  
L-index

#	Paper	IF	Citations
64	Recovery, regeneration and sustainable management of spent adsorbents from wastewater treatment streams: A review.. <i>Science of the Total Environment</i> , <b>2022</b> , 822, 153555	10.2	12
63	Environmental DNA insights in search of novel genes/taxa for production of biofuels and biomaterials <b>2022</b> , 111-135		2
62	Phytoremediation of persistent organic pollutants: Concept challenges and perspectives <b>2022</b> , 375-404		0
61	Phytocapping technology for sustainable management of contaminated sites: case studies, challenges, and future prospects <b>2022</b> , 601-616		0
60	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> , <b>2022</b> , 341, 130862	10.3	9
59	The polymers and their additives in particulate plastics: What makes them hazardous to the fauna?. <i>Science of the Total Environment</i> , <b>2022</b> , 824, 153828	10.2	8
58	Biotechnological potential of rumen microbiota for sustainable bioconversion of lignocellulosic waste to biofuels and value-added products.. <i>Science of the Total Environment</i> , <b>2022</b> , 814, 152773	10.2	6
57	Multifunctional applications of biochar beyond carbon storage. <i>International Materials Reviews</i> , <b>2022</b> , 1-51	16.1	58
56	Challenges and opportunities in bioremediation of micro-nano plastics: A review. <i>Science of the Total Environment</i> , <b>2022</b> , 802, 149823	10.2	21
55	Multifunctional applications of bamboo crop beyond environmental management: an Indian prospective.. <i>Bioengineered</i> , <b>2022</b> , 13, 8893-8914	5.7	4
54	Modified biochar as a green adsorbent for removal of hexavalent chromium from various environmental matrices: Mechanisms, methods, and prospects. <i>Chemical Engineering Journal</i> , <b>2022</b> , 439, 135716	14.7	4
53	Biofilm formation and its implications on the properties and fate of microplastics in aquatic environments: A review. <i>Journal of Hazardous Materials Advances</i> , <b>2022</b> , 6, 100077		0
52	Role of plant growth-promoting rhizobacteria in boosting the phytoremediation of stressed soils: Opportunities, challenges, and prospects. <i>Chemosphere</i> , <b>2022</b> , 303, 134954	8.4	5
51	Algal-Based Biofuel Production: Opportunities, Challenges, and Prospects. <i>Clean Energy Production Technologies</i> , <b>2022</b> , 155-180	0.8	
50	Mobilization of contaminants: Potential for soil remediation and unintended consequences. <i>Science of the Total Environment</i> , <b>2022</b> , 839, 156373	10.2	0
49	Challenges and opportunities in sustainable management of microplastics and nanoplastics in the environment. <i>Environmental Research</i> , <b>2021</b> , 207, 112179	7.9	12
48	Antimony contamination and its risk management in complex environmental settings: A review. <i>Environment International</i> , <b>2021</b> , 158, 106908	12.9	16

47	Current research trends on micro- and nano-plastics as an emerging threat to global environment: A review. <i>Journal of Hazardous Materials</i> , <b>2021</b> , 409, 124967	12.8	56
46	Microplastics in seafood as an emerging threat to marine environment: A case study in Goa, west coast of India. <i>Chemosphere</i> , <b>2021</b> , 270, 129359	8.4	20
45	Traditional System Versus DNA Barcoding in Identification of Bamboo Species: A Systematic Review. <i>Molecular Biotechnology</i> , <b>2021</b> , 63, 651-675	3	4
44	A critical review on biochar for enhancing biogas production from anaerobic digestion of food waste and sludge. <i>Journal of Cleaner Production</i> , <b>2021</b> , 305, 127143	10.3	97
43	Are microplastics destabilizing the global network of terrestrial and aquatic ecosystem services?. <i>Environmental Research</i> , <b>2021</b> , 198, 111243	7.9	24
42	Opportunities and challenges of utilizing energy crops in phytoremediation of environmental pollutants: A review <b>2021</b> , 383-396		15
41	Lignin valorization by bacterial genus <i>Pseudomonas</i> : State-of-the-art review and prospects. <i>Bioresource Technology</i> , <b>2021</b> , 320, 124412	11	29
40	Phytocapping: an eco-sustainable green technology for environmental pollution control <b>2021</b> , 481-491		7
39	Microplastics as an emerging source of particulate air pollution: A critical review. <i>Journal of Hazardous Materials</i> , <b>2021</b> , 418, 126245	12.8	26
38	Role of microbial diversity to influence the growth and environmental remediation capacity of bamboo: A review. <i>Industrial Crops and Products</i> , <b>2021</b> , 167, 113567	5.9	23
37	Remediation of soils and sediments polluted with polycyclic aromatic hydrocarbons: To immobilize, mobilize, or degrade?. <i>Journal of Hazardous Materials</i> , <b>2021</b> , 420, 126534	12.8	36
36	Multidimensional approaches of biogas production and up-gradation: Opportunities and challenges. <i>Bioresource Technology</i> , <b>2021</b> , 338, 125514	11	32
35	Plant microbial fuel cell: Opportunities, challenges, and prospects. <i>Bioresource Technology</i> , <b>2021</b> , 341, 125772	11	23
34	Ball milling as a mechanochemical technology for fabrication of novel biochar nanomaterials. <i>Bioresource Technology</i> , <b>2020</b> , 312, 123613	11	124
33	Microplastics as pollutants in agricultural soils. <i>Environmental Pollution</i> , <b>2020</b> , 265, 114980	9.3	137
32	Critical Review on Biochar-Supported Catalysts for Pollutant Degradation and Sustainable Biorefinery. <i>Advanced Sustainable Systems</i> , <b>2020</b> , 4, 1900149	5.9	44
31	Synthesis of bioactive material by sol-gel process utilizing polymorphic calcium carbonate precipitate and their direct and indirect in-vitro cytotoxicity analysis. <i>Environmental Technology and Innovation</i> , <b>2020</b> , 18, 100647	7	8
30	Algae as potential feedstock for the production of biofuels and value-added products: Opportunities and challenges. <i>Science of the Total Environment</i> , <b>2020</b> , 716, 137116	10.2	168

29	Bacterial polyhydroxyalkanoates: Opportunities, challenges, and prospects. <i>Journal of Cleaner Production</i> , <b>2020</b> , 263, 121500	10.3	67
28	Bacterial production of fatty acid and biodiesel: opportunity and challenges <b>2020</b> , 21-49		8
27	Bioremediation of water containing pesticides by microalgae: Mechanisms, methods, and prospects for future research. <i>Science of the Total Environment</i> , <b>2020</b> , 707, 136080	10.2	112
26	Biomass energy with carbon capture and storage (BECCS) <b>2020</b> , 399-427		4
25	On the widespread enhancement in fine particulate matter across the Indo-Gangetic Plain towards winter. <i>Scientific Reports</i> , <b>2020</b> , 10, 5862	4.9	63
24	Genomic analysis of carbon dioxide sequestering bacterium for exopolysaccharides production. <i>Scientific Reports</i> , <b>2019</b> , 9, 4270	4.9	19
23	Analysis of Different Supervised Techniques for Named Entity Recognition. <i>Communications in Computer and Information Science</i> , <b>2019</b> , 184-195	0.3	2
22	Sequestration and utilization of carbon dioxide by chemical and biological methods for biofuels and biomaterials by chemoautotrophs: Opportunities and challenges. <i>Bioresource Technology</i> , <b>2018</b> , 256, 478-490	11	89
21	Recovery of polyhydroxyalkanoates from municipal secondary wastewater sludge. <i>Bioresource Technology</i> , <b>2018</b> , 255, 111-115	11	57
20	Utilization of glycerol by <i>Bacillus</i> sp. ISTVK1 for production and characterization of Polyhydroxyvalerate. <i>Bioresource Technology Reports</i> , <b>2018</b> , 2, 1-6	4.1	33
19	Carbon dioxide capture, storage and production of biofuel and biomaterials by bacteria: A review. <i>Bioresource Technology</i> , <b>2018</b> , 247, 1059-1068	11	133
18	Concurrent modifications in the three homeologs of Ms45 gene with CRISPR-Cas9 lead to rapid generation of male sterile bread wheat ( <i>Triticum aestivum</i> L.). <i>Plant Molecular Biology</i> , <b>2018</b> , 97, 371-383 <sup>4.6</sup>		54
17	Genomic and proteomic analysis of lignin degrading and polyhydroxyalkanoate accumulating <i>Epiproteobacterium</i> sp. ISTKB. <i>Biotechnology for Biofuels</i> , <b>2018</b> , 11, 154	7.8	61
16	Recent Named Entity Recognition and Classification techniques: A systematic review. <i>Computer Science Review</i> , <b>2018</b> , 29, 21-43	8.3	91
15	A study on Internet addiction and its relation to psychopathology and self-esteem among college students. <i>Industrial Psychiatry</i> , <b>2018</b> , 27, 61-66	0.9	12
14	Municipal secondary sludge as carbon source for production and characterization of biodiesel from oleaginous bacteria. <i>Bioresource Technology Reports</i> , <b>2018</b> , 4, 106-113	4.1	38
13	Characterization of carbon dioxide concentrating chemolithotrophic bacterium <i>Serratia</i> sp. ISTD04 for production of biodiesel. <i>Bioresource Technology</i> , <b>2017</b> , 243, 893-897	11	36
12	Targeted mutagenesis of a conserved anther-expressed P450 gene confers male sterility in monocots. <i>Plant Biotechnology Journal</i> , <b>2017</b> , 15, 379-389	11.6	29

11	MS26/CYP704B is required for anther and pollen wall development in bread wheat ( <i>Triticum aestivum</i> L.) and combining mutations in all three homeologs causes male sterility. <i>PLoS ONE</i> , <b>2017</b> , 12, e0177632	3.7	21
10	Genome Sequence of Carbon Dioxide-Sequestering <i>Serratia</i> sp. Strain ISTD04 Isolated from Marble Mining Rocks. <i>Genome Announcements</i> , <b>2016</b> , 4,		15
9	Carbon dioxide sequestration by chemolithotrophic oleaginous bacteria for production and optimization of polyhydroxyalkanoate. <i>Bioresource Technology</i> , <b>2016</b> , 213, 249-256	11	52
8	Genome Sequence of <i>Pandora</i> sp. ISTKB, a Lignin-Degrading Betaproteobacterium, Isolated from Rhizospheric Soil. <i>Genome Announcements</i> , <b>2016</b> , 4,		13
7	Biodiesel production from municipal secondary sludge. <i>Bioresource Technology</i> , <b>2016</b> , 216, 165-71	11	63
6	Integration of process planning and scheduling in a job shop environment. <i>International Journal of Advanced Manufacturing Technology</i> , <b>2006</b> , 28, 109-116	3.2	41
5	Cost based scheduling in a job shop environment. <i>International Journal of Advanced Manufacturing Technology</i> , <b>2006</b> , 30, 1144-1153	3.2	2
4	Development of a generative CAPP system for axisymmetric components for a job shop environment. <i>International Journal of Advanced Manufacturing Technology</i> , <b>2005</b> , 27, 136-144	3.2	5
3	Integration of scheduling with computer aided process planning. <i>Journal of Materials Processing Technology</i> , <b>2003</b> , 138, 297-300	5.3	69
2	Optimization of Process Parameters for the Production of Biodiesel from Carbon dioxide Sequestering Bacteriu3, 43-50		16
1	Recurrent Neural Network-Based Model for Named Entity Recognition with Improved Word Embeddings. <i>IETE Journal of Research</i> , 1-7	0.9	0