

# Sunil Kumar

## List of Publications by Year in descending order

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Version: 2024-02-01

231  
papers

10,113  
citations

28242

55  
h-index

48277

88  
g-index

236  
all docs

236  
docs citations

236  
times ranked

8113  
citing authors

#	ARTICLE	IF	CITATIONS
1	Challenges and opportunities associated with waste management in India. Royal Society Open Science, 2017, 4, 160764.	1.1	358
2	Assessment of the status of municipal solid waste management in metro cities, state capitals, class I cities, and class II towns in India: An insight. Waste Management, 2009, 29, 883-895.	3.7	346
3	Resource recovery and circular economy from organic solid waste using aerobic and anaerobic digestion technologies. Bioresource Technology, 2020, 301, 122778.	4.8	305
4	Application of life cycle assessment in municipal solid waste management: A worldwide critical review. Journal of Cleaner Production, 2019, 209, 630-654.	4.6	252
5	Challenges associated with plastic waste disposal and allied microbial routes for its effective degradation: A comprehensive review. Journal of Cleaner Production, 2019, 208, 65-76.	4.6	224
6	Removal of phenols from water environment by activated carbon, bagasse ash and wood charcoal. Chemical Engineering Journal, 2007, 129, 133-142.	6.6	191
7	Advanced oxidation processes for treatment of leachate from hazardous waste landfill: A critical review. Journal of Cleaner Production, 2019, 237, 117639.	4.6	188
8	A monograph on the remediation of hazardous phthalates. Journal of Hazardous Materials, 2015, 298, 58-72.	6.5	172
9	A perspective study on fly ash-lime-gypsum bricks and hollow blocks for low cost housing development. Construction and Building Materials, 2002, 16, 519-525.	3.2	167
10	Biodegradation of methylene blue dye in a batch and continuous mode using biochar as packing media. Environmental Research, 2019, 171, 356-364.	3.7	163
11	Changes in global trends in food waste composting: Research challenges and opportunities. Bioresource Technology, 2020, 299, 122555.	4.8	161
12	E-waste management and its effects on the environment and human health. Science of the Total Environment, 2021, 773, 145623.	3.9	159
13	E-waste in India at a glance: Current trends, regulations, challenges and management strategies. Journal of Cleaner Production, 2020, 271, 122707.	4.6	153
14	Estimation method for national methane emission from solid waste landfills. Atmospheric Environment, 2004, 38, 3481-3487.	1.9	151
15	Bioremediation and detoxification of industrial wastes by earthworms: Vermicompost as powerful crop nutrient in sustainable agriculture. Bioresource Technology, 2018, 252, 172-179.	4.8	150
16	Remediation of soils and sediments polluted with polycyclic aromatic hydrocarbons: To immobilize, mobilize, or degrade?. Journal of Hazardous Materials, 2021, 420, 126534.	6.5	150
17	Current research trends on micro- and nano-plastics as an emerging threat to global environment: A review. Journal of Hazardous Materials, 2021, 409, 124967.	6.5	147
18	Artificial neural network modeling in competitive adsorption of phenol and resorcinol from water environment using some carbonaceous adsorbents. Journal of Hazardous Materials, 2011, 188, 67-77.	6.5	141

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19	Critical evaluation of treatment strategies involving adsorption and chelation for wastewater containing copper, zinc and cyanide. <i>Journal of Environmental Management</i> , 2002, 7, 179-195.	1.7	125
20	Antimony contamination and its risk management in complex environmental settings: A review. <i>Environment International</i> , 2022, 158, 106908.	4.8	125
21	Qualitative assessment of methane emission inventory from municipal solid waste disposal sites: a case study. <i>Atmospheric Environment</i> , 2004, 38, 4921-4929.	1.9	123
22	Novel oil extraction technologies: Process conditions, quality parameters, and optimization. <i>Comprehensive Reviews in Food Science and Food Safety</i> , 2020, 19, 3-20.	5.9	118
23	Fly ash "lime" phosphogypsum hollow blocks for walls and partitions. <i>Building and Environment</i> , 2003, 38, 291-295.	3.0	117
24	Challenges and opportunities in bioremediation of micro-nano plastics: A review. <i>Science of the Total Environment</i> , 2022, 802, 149823.	3.9	109
25	Preliminary study of physico-chemical treatment options for hospital wastewater. <i>Journal of Environmental Management</i> , 2007, 83, 298-306.	3.8	105
26	Pyrolysis of waste biomass and plastics for production of biochar and its use for removal of heavy metals from aqueous solution. <i>Bioresource Technology</i> , 2021, 320, 124278.	4.8	105
27	Artificial neural network based modeling to evaluate methane yield from biogas in a laboratory-scale anaerobic bioreactor. <i>Bioresource Technology</i> , 2016, 217, 90-99.	4.8	101
28	Waste based hydrogen production for circular bioeconomy: Current status and future directions. <i>Bioresource Technology</i> , 2020, 302, 122920.	4.8	98
29	A review on organic waste to energy systems in India. <i>Bioresource Technology</i> , 2017, 245, 1229-1237.	4.8	92
30	Composting of municipal solid waste. <i>Critical Reviews in Biotechnology</i> , 2011, 31, 112-136.	5.1	91
31	Biodegradation of food waste using microbial cultures producing thermostable $\alpha$ -amylase and cellulase under different pH and temperature. <i>Bioresource Technology</i> , 2018, 248, 160-170.	4.8	89
32	Bioremediation of heavy metals from industrial effluents by endophytes and their metabolic activity: Recent advances. <i>Bioresource Technology</i> , 2021, 339, 125589.	4.8	87
33	Life cycle assessment of municipal solid waste management options for India. <i>Bioresource Technology</i> , 2019, 288, 121515.	4.8	86
34	Industrial wastewater treatment: Current trends, bottlenecks, and best practices. <i>Chemosphere</i> , 2021, 285, 131245.	4.2	85
35	Role of microbial community and metal-binding proteins in phytoremediation of heavy metals from industrial wastewater. <i>Bioresource Technology</i> , 2021, 326, 124750.	4.8	84
36	Bioleaching: urban mining option to curb the menace of E-waste challenge. <i>Bioengineered</i> , 2020, 11, 640-660.	1.4	79

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37	Are microplastics destabilizing the global network of terrestrial and aquatic ecosystem services?. Environmental Research, 2021, 198, 111243.	3.7	77
38	Effect of organic loading rate during anaerobic digestion of municipal solid waste. Bioresource Technology, 2016, 217, 56-61.	4.8	76
39	Sorption of volatile organic compounds on non-activated biochar. Bioresource Technology, 2020, 297, 122469.	4.8	74
40	Anaerobic digestion of biowastes in India: Opportunities, challenges and research needs. Journal of Environmental Management, 2019, 236, 396-412.	3.8	73
41	Studies on environmental quality in and around municipal solid waste dumpsite. Resources, Conservation and Recycling, 2010, 55, 129-134.	5.3	72
42	Solid waste management during COVID-19 pandemic: Recovery techniques and responses. Chemosphere, 2022, 288, 132451.	4.2	72
43	Bioremediated techniques for remediation of metal pollutants using metagenomics approaches: A review. Journal of Environmental Chemical Engineering, 2021, 9, 105684.	3.3	71
44	Critical factors responsible for fungi growth in stored food grains and non-Chemical approaches for their control. Industrial Crops and Products, 2017, 108, 162-182.	2.5	69
45	Effects of biochar amendment on bacterial and fungal diversity for co-composting of gelatin industry sludge mixed with organic fraction of municipal solid waste. Bioresource Technology, 2017, 246, 214-223.	4.8	68
46	Physicochemical characteristics, bioactive compounds and industrial applications of mango kernel and its products: A review. Comprehensive Reviews in Food Science and Food Safety, 2020, 19, 2421-2446.	5.9	66
47	Bioactive compounds, nutritional benefits and food applications of colored wheat: a comprehensive review. Critical Reviews in Food Science and Nutrition, 2021, 61, 3197-3210.	5.4	65
48	Process improvement through Lean-Kaizen using value stream map: a case study in India. International Journal of Advanced Manufacturing Technology, 2018, 96, 2687-2698.	1.5	64
49	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. Journal of Cleaner Production, 2022, 341, 130862.	4.6	64
50	Biochar as environmental armour and its diverse role towards protecting soil, water and air. Science of the Total Environment, 2022, 806, 150444.	3.9	63
51	Production of biofuel precursors and value-added chemicals from hydrolysates resulting from hydrothermal processing of biomass: A review. Biomass and Bioenergy, 2019, 130, 105397.	2.9	62
52	Microbial fuel cells for bioelectricity production from waste as sustainable prospect of future energy sector. Chemosphere, 2022, 287, 132285.	4.2	62
53	Bioreactor landfill technology in municipal solid waste treatment: An overview. Critical Reviews in Biotechnology, 2011, 31, 77-97.	5.1	61
54	Constructed wetland for wastewater reuse: Role and efficiency in removing enteric pathogens. Journal of Environmental Management, 2019, 246, 444-461.	3.8	61

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55	Effect of bulking agents and cow dung as inoculant on vegetable waste compost quality. <i>Bioresource Technology</i> , 2018, 252, 83-90.	4.8	60
56	Lignin valorization by bacterial genus <i>Pseudomonas</i> : State-of-the-art review and prospects. <i>Bioresource Technology</i> , 2021, 320, 124412.	4.8	60
57	Biomethanation potential for co-digestion of municipal solid waste and rice straw: A batch study. <i>Bioresource Technology</i> , 2018, 254, 139-144.	4.8	58
58	Rapid composting techniques in Indian context and utilization of black soldier fly for enhanced decomposition of biodegradable wastes - A comprehensive review. <i>Journal of Environmental Management</i> , 2018, 227, 189-199.	3.8	58
59	Kinetic and thermodynamic investigations of sewage sludge biochar in removal of Remazol Brilliant Blue R dye from aqueous solution and evaluation of residual dyes cytotoxicity. <i>Environmental Technology and Innovation</i> , 2021, 23, 101556.	3.0	58
60	Co-composting of vegetable wastes and carton: Effect of carton composition and parameter variations. <i>Bioresource Technology</i> , 2017, 227, 171-178.	4.8	56
61	Role of sawdust and cow dung on compost maturity during rotary drum composting of flower waste. <i>Bioresource Technology</i> , 2018, 264, 285-289.	4.8	56
62	Emission from open burning of municipal solid waste in India. <i>Environmental Technology (United Kingdom)</i> , 2012, 33, 1155-1162.	1.2	56
63	Apple orchard waste recycling and valorization of valuable product-A review. <i>Bioengineered</i> , 2021, 12, 476-495.	1.4	55
64	Towards developing a representative biochemical methane potential (BMP) assay for landfilled municipal solid waste – A review. <i>Bioresource Technology</i> , 2018, 254, 312-324.	4.8	52
65	Biotechnological strategies for bio-transforming biosolid into resources toward circular bio-economy: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2022, 156, 111987.	8.2	51
66	Fabrication, functionalization and performance of doped photocatalysts for dye degradation and mineralization: a review. <i>Environmental Chemistry Letters</i> , 2020, 18, 1825-1903.	8.3	49
67	Hydrothermal liquefaction of biogenic municipal solid waste under reduced H <sub>2</sub> atmosphere in biorefinery format. <i>Bioresource Technology</i> , 2020, 310, 123369.	4.8	49
68	Effect of enzyme additions on methane production and lignin degradation of landfilled sample of municipal solid waste. <i>Bioresource Technology</i> , 2011, 102, 4633-4637.	4.8	48
69	Commercial clustering of sustainable bamboo species in India. <i>Industrial Crops and Products</i> , 2020, 154, 112693.	2.5	47
70	Utilization of Plastic Wastes for Sustainable Environmental Management: A Review. <i>ChemSusChem</i> , 2021, 14, 3985-4006.	3.6	46
71	Treatment of urban municipal landfill leachate utilizing garbage enzyme. <i>Bioresource Technology</i> , 2020, 297, 122437.	4.8	44
72	Efficient removal of arsenic using plastic waste char: Prevailing mechanism and sorption performance. <i>Journal of Water Process Engineering</i> , 2020, 33, 101095.	2.6	44

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73	Forecasting of municipal solid waste generation using non-linear autoregressive (NAR) neural models. Waste Management, 2021, 121, 206-214.	3.7	44
74	Removal enactment of organo-phosphorous pesticide using bacteria isolated from domestic sewage. Bioresource Technology, 2018, 263, 280-288.	4.8	43
75	Improving methane yield and quality via co-digestion of cow dung mixed with food waste. Bioresource Technology, 2018, 251, 259-263.	4.8	41
76	Effect of biochar on bio-electrochemical dye degradation and energy production. Bioresource Technology, 2018, 251, 165-170.	4.8	39
77	Evaluation of soil contamination due to crude E-waste recycling activities in the capital city of India. Chemical Engineering Research and Design, 2021, 152, 641-653.	2.7	39
78	Upgrading the value of anaerobic fermentation via renewable chemicals production: A sustainable integration for circular bioeconomy. Science of the Total Environment, 2022, 806, 150312.	3.9	39
79	Enrichment of primary macronutrients in biochar for sustainable agriculture: A review. Critical Reviews in Environmental Science and Technology, 2022, 52, 1449-1490.	6.6	39
80	Harnessing fruit waste for poly-3-hydroxybutyrate production: A review. Bioresource Technology, 2021, 326, 124734.	4.8	38
81	Fly ash as an additive for enhancing microbial and enzymatic activities in in-vessel composting of organic wastes. Bioresource Technology, 2019, 293, 122047.	4.8	37
82	Fundamental understanding of microbial fuel cell technology: Recent development and challenges. Chemosphere, 2022, 288, 132446.	4.2	36
83	Effect of sulfates on the setting time of cement and strength of concrete. Cement and Concrete Research, 1994, 24, 1237-1244.	4.6	34
84	Biotransformation of flower waste composting: Optimization of waste combinations using response surface methodology. Bioresource Technology, 2018, 270, 198-207.	4.8	34
85	Succession of keratin-degrading bacteria and associated health risks during pig manure composting. Journal of Cleaner Production, 2020, 258, 120624.	4.6	33
86	Circular economy-based environmental management using biochar: Driving towards sustainability. Chemical Engineering Research and Design, 2022, 163, 585-600.	2.7	33
87	Methane Oxidation in Compost-Based Landfill Cover with Vegetation during Wet and Dry Conditions in the Tropics. Journal of the Air and Waste Management Association, 2008, 58, 603-612.	0.9	32
88	Role of microbes in bioaccumulation of heavy metals in municipal solid waste: Impacts on plant and human being. Environmental Pollution, 2022, 305, 119248.	3.7	32
89	Solid waste characteristics and their relationship to gas production in tropical landfill. Environmental Monitoring and Assessment, 2007, 135, 41-48.	1.3	31
90	Synergistic effect of fly ash in in-vessel composting of biomass and kitchen waste. Bioresource Technology, 2018, 251, 114-120.	4.8	31

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91	Bio-hydrogen and bio-methane potential analysis for production of bio-hythane using various agricultural residues. <i>Bioresource Technology</i> , 2020, 309, 123297.	4.8	31
92	Engineering interventions in enzyme production: Lab to industrial scale. <i>Bioresource Technology</i> , 2021, 326, 124771.	4.8	31
93	Biochemical changes in plant leaves as a biomarker of pollution due to anthropogenic activity. <i>Environmental Monitoring and Assessment</i> , 2011, 177, 527-535.	1.3	30
94	Characterization of municipal solid waste in high-altitude sub-tropical regions. <i>Environmental Technology (United Kingdom)</i> , 2016, 37, 2627-2637.	1.2	30
95	Collegial effect of maggots larvae and garbage enzyme in rapid composting of food waste with wheat straw or biomass waste. <i>Journal of Cleaner Production</i> , 2020, 258, 120854.	4.6	30
96	Eco-innovations and sustainability in solid waste management: An indian upfront in technological, organizational, start-ups and financial framework. <i>Journal of Environmental Management</i> , 2022, 302, 113953.	3.8	30
97	Fire Loads in Office Buildings. <i>Journal of Structural Engineering</i> , 1997, 123, 365-368.	1.7	29
98	Applying Fuzzy logic and the point count system to select landfill sites. <i>Environmental Monitoring and Assessment</i> , 2007, 135, 99-106.	1.3	29
99	Specific model for the estimation of methane emission from municipal solid waste landfills in India. <i>Bioresource Technology</i> , 2016, 216, 981-987.	4.8	29
100	Identification of heavy metals tolerant <i>Brevundimonas</i> sp. from rhizospheric zone of <i>Saccharum munja</i> L. and their efficacy in in-situ phytoremediation. <i>Chemosphere</i> , 2022, 295, 133823.	4.2	29
101	Health risk assessment for exposure to heavy metals in soils in and around E-waste dumping site. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 107269.	3.3	28
102	Biorefinery of anaerobic digestate in a circular bioeconomy: Opportunities, challenges and perspectives. <i>Renewable and Sustainable Energy Reviews</i> , 2022, 166, 112642.	8.2	28
103	Studies on acidification in two-phase biomethanation process of municipal solid waste. <i>Waste Management</i> , 2008, 28, 164-169.	3.7	27
104	Vacuum Hermetic Fumigation: A review. <i>Journal of Stored Products Research</i> , 2017, 71, 47-56.	1.2	27
105	Exploring the synergic effect of fly ash and garbage enzymes on biotransformation of organic wastes in in-vessel composting system. <i>Bioresource Technology</i> , 2021, 322, 124557.	4.8	27
106	Fire load in residential buildings. <i>Building and Environment</i> , 1995, 30, 299-305.	3.0	25
107	Reduction of Methane Emission From Landfill Through Microbial Activities in Cover Soil: A Brief Review. <i>Critical Reviews in Environmental Science and Technology</i> , 2012, 42, 412-434.	6.6	25
108	Eco-rejuvenation of degraded land by microbe assisted bamboo plantation. <i>Industrial Crops and Products</i> , 2020, 155, 112795.	2.5	25

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109	Technologies for disinfection of food grains: Advances and way forward. Food Research International, 2021, 145, 110396.	2.9	25
110	Enhancement effect of zero-valent iron nanoparticle and iron oxide nanoparticles on dark fermentative hydrogen production from molasses-based distillery wastewater. International Journal of Hydrogen Energy, 2021, 46, 29812-29821.	3.8	25
111	Urban mining of obsolete computers by manual dismantling and waste printed circuit boards by chemical leaching and toxicity assessment of its waste residues. Environmental Pollution, 2021, 283, 117033.	3.7	25
112	Determination of landfill gas generation potential from lignocellulose biomass contents of municipal solid waste. Science of the Total Environment, 2021, 785, 147243.	3.9	25
113	Characterization of organophosphate pesticide sorption of potato peel biochar as low cost adsorbent for chlorpyrifos removal. Chemosphere, 2022, 297, 134112.	4.2	25
114	E-waste in Information and Communication Technology Sector: Existing scenario, management schemes and initiatives. Environmental Technology and Innovation, 2022, 27, 102797.	3.0	25
115	Aerated biofilters with multiple-level air injection configurations to enhance biological treatment of methane emissions. Bioresource Technology, 2017, 239, 219-225.	4.8	24
116	Determination of ignition temperature of municipal solid waste for understanding surface and sub-surface landfill fire. Waste Management, 2019, 97, 123-130.	3.7	23
117	Energy-Aware Intelligence in Megacities. , 2019, , 211-238.		23
118	Carbon material as a sustainable alternative towards boosting properties of urban soil and foster plant growth. Science of the Total Environment, 2021, 751, 141659.	3.9	23
119	Emerging microalgae-based technologies in biorefinery and risk assessment issues: Bioeconomy for sustainable development. Science of the Total Environment, 2022, 813, 152417.	3.9	22
120	Artificial neural network modelling in biological removal of organic carbon and nitrogen for the treatment of slaughterhouse wastewater in a batch reactor. Environmental Technology (United Kingdom), 2021, 42, 102797.	3.7	21
121	Environmental quality monitoring and impact assessment of solid waste dumpsites in high altitude sub-tropical regions. Journal of Environmental Management, 2019, 252, 109681.	3.8	21
122	Ecological restoration of coal fly ash dumped area through bamboo plantation. Environmental Science and Pollution Research, 2021, 28, 33416-33432.	2.7	21
123	Traditional System Versus DNA Barcoding in Identification of Bamboo Species: A Systematic Review. Molecular Biotechnology, 2021, 63, 651-675.	1.3	21
124	Major insects of stored food grains. International Journal of Chemical Studies, 2020, 8, 2380-2384.	0.1	21
125	Adsorptive uptake of arsenic (V) from water by aquatic fern Salvinia natans. Journal of Water Supply: Research and Technology - AQUA, 2005, 54, 47-53.	0.6	19
126	Field-scale operation of methane biofiltration systems to mitigate point source methane emissions. Environmental Pollution, 2011, 159, 1715-1720.	3.7	19



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127	Methane diffusion coefficient in compost and soil-compost mixtures in gas phase biofilter. <i>Chemical Engineering Journal</i> , 2011, 169, 200-206.	6.6	19
128	Effect of calcium chloride on abating inhibition due to volatile fatty acids during the start-up period in anaerobic digestion of municipal solid waste. <i>Environmental Technology (United Kingdom)</i> , 2016, 37, 1501-1509.	1.2	19
129	Enhanced nodulation and higher germination using sludge ash as a carrier for biofertilizer production. <i>Journal of Environmental Management</i> , 2019, 250, 109523.	3.8	19
130	Characterization and phytotoxicity assessment of organic pollutants in old and fresh municipal solid wastes at open dump site: A case study. <i>Environmental Technology and Innovation</i> , 2021, 24, 101938.	3.0	19
131	Industrial wastewater purification through metal pollution reduction employing microbes and magnetic nanocomposites. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 106673.	3.3	19
132	Life-cycle assessment approach for municipal solid waste management system of Delhi city. <i>Environmental Research</i> , 2022, 212, 113424.	3.7	19
133	Cold plasma in food processing and preservation: A review. <i>Journal of Food Process Engineering</i> , 2022, 45, .	1.5	19
134	Specific heat and thermal conductivity of municipal solid waste and its effect on landfill fires. <i>Waste Management</i> , 2020, 116, 120-130.	3.7	18
135	Effect of Heavy Metals on Earthworm Activities During Vermicomposting of Municipal Solid Waste. <i>Water Environment Research</i> , 2008, 80, 154-161.	1.3	17
136	Bio-Hythane production from organic fraction of municipal solid waste in single and two stage anaerobic digestion processes. <i>Bioresource Technology</i> , 2019, 294, 122220.	4.8	17
137	Characterization of distillery sludge for its thermal properties and ascertaining its utilization as a low-cost fuel. <i>Journal of Cleaner Production</i> , 2020, 259, 120872.	4.6	17
138	A state-of-the-art review on microbial desalination cells. <i>Chemosphere</i> , 2022, 288, 132386.	4.2	17
139	Estimation of spontaneous waste ignition time for prevention and control of landfill fire. <i>Waste Management</i> , 2022, 139, 258-268.	3.7	17
140	Hazardous Waste Management System in India: An Overview. <i>Critical Reviews in Environmental Science and Technology</i> , 2007, 38, 43-71.	6.6	16
141	Development of correction factors for landfill gas emission model suiting Indian condition to predict methane emission from landfills. <i>Bioresource Technology</i> , 2014, 168, 97-99.	4.8	16
142	Improved bio-hydrogen production by overexpression of glucose-6-phosphate dehydrogenase and FeFe hydrogenase in <i>Clostridium acetobutylicum</i> . <i>International Journal of Hydrogen Energy</i> , 2021, 46, 36687-36695.	3.8	16
143	Mask consumption and biomedical waste generation rate during Covid-19 pandemic: A case study of central India. <i>Environmental Research</i> , 2022, 212, 113363.	3.7	16
144	Studies on cocopeat, sawdust and dried cow dung as desiccant for evaporative cooling system. <i>Renewable Energy</i> , 2019, 142, 295-303.	4.3	15

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145	Rapid-in-house composting of organic solid wastes with fly ash supplementation: Performance evaluation at thermophilic exposures. <i>Bioresource Technology</i> , 2021, 337, 125386.	4.8	15
146	Kinetic evaluation of chromium(VI) sorption by water lettuce ( <i>Pistia</i> ). <i>Water Science and Technology</i> , 2014, 69, 195-201.	1.2	14
147	Waste Treatment Processes/Technologies for Energy Recovery. , 2019, , 53-77.		14
148	Combustion of distillery sludge mixed with coal in a drop tube furnace and emission characteristics. <i>Energy</i> , 2021, 221, 119871.	4.5	14
149	Electronic waste pollution and the COVID-19 pandemic. <i>Environmental Chemistry Letters</i> , 2022, 20, 971-974.	8.3	14
150	Advances in development of biodegradable food packaging material from agricultural and <sc>agro-industry</sc> waste. <i>Journal of Food Process Engineering</i> , 2022, 45, e13930.	1.5	14
151	Synergistic optimization of electrocoagulation process parameters using response surface methodology for treatment of hazardous waste landfill leachate. <i>Chemosphere</i> , 2022, 290, 133255.	4.2	14
152	Bioprospecting culturable and unculturable microbial consortia through metagenomics for bioremediation. , 2022, 2, 100017.		14
153	Sulfate attack on concrete in simulated cast-in-situ and precast situations. <i>Cement and Concrete Research</i> , 1995, 25, 1-8.	4.6	13
154	Methane potential from municipal biowaste: Insights from six communities in Maharashtra, India. <i>Bioresource Technology</i> , 2018, 254, 224-230.	4.8	13
155	Estimation of heat generation and consequent temperature rise from nutrients like carbohydrates, proteins and fats in municipal solid waste landfills in India. <i>Science of the Total Environment</i> , 2020, 707, 135610.	3.9	13
156	Toxicity Characteristics of Drilling Mud and Its Effect on Aquatic Fish Populations. <i>Journal of Hazardous, Toxic, and Radioactive Waste</i> , 2012, 16, 51-57.	1.2	12
157	Comparison of Hermetic Storage of Wheat with Traditional Storage Methods in India. <i>Applied Engineering in Agriculture</i> , 2017, 33, 121-130.	0.3	12
158	Shift of microbial community structure by substrate level in dynamic membrane bioreactor for biohydrogen production. <i>International Journal of Energy Research</i> , 2021, 45, 17408-17416.	2.2	12
159	Remediation of noxious wastewater using nanohybrid adsorbent for preventing water pollution. <i>Chemosphere</i> , 2022, 292, 133380.	4.2	12
160	Inhibitory effects of acidic pH and confounding effects of moisture content on methane biofiltration. <i>Bioresource Technology</i> , 2017, 245, 633-640.	4.8	11
161	Current Developments in Biotechnology and Bioengineering and Waste Treatment Processes for Energy Generation. , 2019, , 1-9.		11
162	Removal of crystal violet by Cu-chitosan nano-biocomposite particles using Boxâ€œBehnken design. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105847.	3.3	11

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163	Nanofluid research advances: Preparation, characteristics and applications in food processing. <i>Food Research International</i> , 2021, 150, 110751.	2.9	11
164	Strength loss in concrete due to varying sulfate exposures. <i>Cement and Concrete Research</i> , 1995, 25, 57-62.	4.6	10
165	Removal of Aqueous Nickel (II) Using Laterite as a Low-Cost Adsorbent. <i>Water Environment Research</i> , 2006, 78, 2268-2275.	1.3	10
166	Design and development of indoor device for recycling of domestic vegetable scrap. <i>Environmental Technology (United Kingdom)</i> , 2016, 37, 326-334.	1.2	10
167	Efficacy of sensor assisted vacuum hermetic storage against chemical fumigated wheat. <i>Journal of Stored Products Research</i> , 2020, 88, 101640.	1.2	10
168	Aerobic degradation of decabrominated diphenyl ether through a novel bacterium isolated from municipal waste dumping site: Identification, degradation and metabolic pathway. <i>Bioresource Technology</i> , 2021, 333, 125208.	4.8	10
169	Evaluation of bio-hydrogen production using rice straw hydrolysate extracted by acid and alkali hydrolysis. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 37385-37393.	3.8	10
170	Evaluation of pyrolysis and gasification of distillery sludge and bio-compost mixed with coal. <i>Fuel</i> , 2022, 319, 123750.	3.4	10
171	Food waste and soybean curd residue composting by black soldier fly. <i>Environmental Research</i> , 2022, 214, 113792.	3.7	10
172	Isozymes of antioxidative enzymes during ripening and storage of ber ( <i>Ziziphus mauritiana</i> Lamk.). <i>Journal of Food Science and Technology</i> , 2014, 51, 329-334.	1.4	9
173	Phytocapping: an alternate cover option for municipal solid waste landfills. <i>Environmental Technology (United Kingdom)</i> , 2019, 40, 2242-2249.	1.2	9
174	Open dumping of organic waste: Associated fire, environmental pollution and health hazards. , 2022, , 15-31.		9
175	Mechano-chemical and biological energetics of immobilized enzymes onto functionalized polymers and their applications. <i>Bioengineered</i> , 2022, 13, 10518-10539.	1.4	9
176	Kaizen Selection for Continuous Improvement through VSM-Fuzzy-TOPSIS in Small-Scale Enterprises: An Indian Case Study. <i>Advances in Fuzzy Systems</i> , 2018, 2018, 1-10.	0.6	8
177	Application of remote sensing for assessment of change in vegetation cover and the subsequent impact on climatic variables. <i>Environmental Science and Pollution Research</i> , 2021, 28, 41675-41687.	2.7	8
178	Ultrasound and microwave-assisted solvent extraction of mango kernel oil and evaluation of physicochemical properties and fatty acid profile. <i>Journal of Food Processing and Preservation</i> , 2021, 45, e16090.	0.9	8
179	Polybrominated diphenyl ethers (PBDEs) in Indian wastewater treatment plant: Occurrence, mass flow and removal. <i>Chemosphere</i> , 2022, 303, 135055.	4.2	8
180	Breakthrough Adsorption Study of Migratory Nickel in Fine-Grained Soil. <i>Water Environment Research</i> , 2007, 79, 1023-1032.	1.3	7

#	ARTICLE	IF	CITATIONS
181	Feasibility of Landfill Gas as a Liquefied Natural Gas Fuel Source for Refuse Trucks. Journal of the Air and Waste Management Association, 2008, 58, 613-619.	0.9	7
182	Simplified Kinetic Analysis for Composting of Municipal Solid Waste. Practice Periodical of Hazardous, Toxic and Radioactive Waste Management, 2009, 13, 179-186.	0.4	7
183	Live loads in office buildings: point-in-time load intensity. Building and Environment, 2002, 37, 79-89.	3.0	6
184	Live loads in office buildings: lifetime maximum load. Building and Environment, 2002, 37, 91-99.	3.0	6
185	A systematic review on options for sustainable treatment and resource recovery of distillery sludge. Chemosphere, 2021, 263, 128225.	4.2	6
186	A study of moisture dependent changes in engineering properties and debranning characteristics of purple wheat. Journal of Food Processing and Preservation, 2021, 45, e15916.	0.9	6
187	Reduction of chemical oxygen demand through electrocoagulation: an exclusive study for hazardous waste landfill leachate. Environmental Science and Pollution Research, 2022, 29, 7583-7594.	2.7	6
188	IMPLEMENTATION OF THE LEAN-KAIZEN APPROACH IN FASTENER INDUSTRIES USING THE DATA ENVELOPMENT ANALYSIS. Facta Universitatis, Series: Mechanical Engineering, 2017, 15, 145.	2.3	6
189	Emission characteristics for combustion of sludge with coal in a grate furnace aimed at boiler application. Fuel, 2022, 324, 124598.	3.4	6
190	Cost-benefit analysis of landfill system with gas recovery for municipal solid waste management: a case study. International Journal of Environmental Studies, 2004, 61, 637-650.	0.7	5
191	Leachate from market refuse and biomethanation study. Environmental Monitoring and Assessment, 2007, 135, 49-53.	1.3	5
192	Anaerobic digestion of vegetable market waste in India. World Review of Science, Technology and Sustainable Development, 2010, 7, 217.	0.3	5
193	Landfill Gas to Energy Applications in India: Prefeasibility Analysis of Mumbai Landfills. Journal of Hazardous, Toxic, and Radioactive Waste, 2012, 16, 250-257.	1.2	5
194	Phytocapping technology for sustainable management of contaminated sites: case studies, challenges, and future prospects. , 2022, , 601-616.		5
195	Chromium and nickel migration study through fine grained soil. Journal of Hazardous Materials, 2009, 170, 1192-1196.	6.5	4
196	Role of final cover soil in regulating volatile organic compounds: emissions from solid waste disposal sites in developing countries. International Journal of Environment and Pollution, 2010, 43, 3.	0.2	4
197	The use of methanotrophic applications to control of fugitive methane emissions from the biodegradation of organic waste. International Journal of Environmental Technology and Management, 2012, 15, 524.	0.1	4
198	Mining for Recovery as an Option for Dumpsite Rehabilitation: A Case Study from Nagpur, India. Journal of Environmental Engineering and Science, 2019, , 1-9.	0.3	4

#	ARTICLE	IF	CITATIONS
199	Structural characterization of LDPE films to analyse the impact of heavy metals and effect of UV pre-treatment on polymer degradation. <i>Journal of Cleaner Production</i> , 2021, 298, 126670.	4.6	4
200	Study on the kinetics of NH <sub>3</sub> removal from air by <i>Nitrosomonas europaea</i> . <i>International Journal of Environment and Pollution</i> , 2010, 43, 42.	0.2	3
201	Adsorptive Chromium Removal by Some Clayey Soil for Abatement of Tannery Waste Pollution. <i>Journal of Hazardous, Toxic, and Radioactive Waste</i> , 2012, 16, 243-249.	1.2	3
202	Municipal solid waste: zero tolerance management strategy. <i>International Journal of Environmental Technology and Management</i> , 2014, 17, 113.	0.1	3
203	Impact of 5-hydroxy methyl furfural on continuous hydrogen production from galactose and glucose feedstock with periodic recovery. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 19045-19051.	3.8	3
204	Circular Bioeconomy: Countries' Case Studies. , 2021, , 721-748.		3
205	Evaluation of distillery sludge as a soil amendment for improving soil quality and sugarcane (CO-265) yield. <i>Environmental Technology and Innovation</i> , 2021, 23, 101624.	3.0	3
206	New generation technologies for solid waste management. , 2021, , 77-106.		3
207	Co-digestion of municipal solid waste with lignocellulosic waste in mesophilic Environment. <i>Chemosphere</i> , 2022, 295, 133852.	4.2	3
208	Field study on the effect of vegetation on the performance of soil methanotrophy-based engineered systems – Column experiments. <i>Soil Biology and Biochemistry</i> , 2022, 167, 108583.	4.2	3
209	A Study for Evaluation of Contaminant Transport Characteristics Through Fine-Grained Soil. <i>Water Environment Research</i> , 2006, 78, 2261-2267.	1.3	2
210	Waste Characteristics and Generation. , 2016, , 7-34.		2
211	Reaction Kinetic Analysis of Manganese Peroxidase Augmented Aerobic Waste Degradation. <i>Journal of Hazardous, Toxic, and Radioactive Waste</i> , 2020, 24, 04020043.	1.2	2
212	Co-combustion of distillery sludge and coal for application in boiler and subsequent utilization of the generated bottom ash. <i>Environmental Science and Pollution Research</i> , 2021, 28, 36742-36752.	2.7	2
213	A laboratory-scale phytocover system for municipal solid waste landfills. <i>Environmental Technology (United Kingdom)</i> , 2021, , 1-12.	1.2	2
214	Geophysical techniques for characterisation of municipal solid waste landfills. <i>Proceedings of Institution of Civil Engineers: Waste and Resource Management</i> , 2021, 174, 78-96.	0.9	2
215	Assessment of polybrominated diphenyl ether contamination and associated human exposure risk at municipal waste dumping sites. <i>Environmental Geochemistry and Health</i> , 2022, 44, 4437-4453.	1.8	2
216	Mass modeling of strawberry ( <i>Fragaria</i> – <i>Ananasa</i> ) based on selected physical attributes. <i>Journal of Food Process Engineering</i> , 0, , .	1.5	2

#	ARTICLE	IF	CITATIONS
217	Composting of Municipal Solid Waste through chemical pretreatment. International Journal of Environmental Technology and Management, 2007, 7, 298.	0.1	1
218	Effect of cycle period and substrate composition on phosphorous removal potential of a laboratory-scale sequencing batch reactor. International Journal of Environmental Technology and Management, 2011, 14, 252.	0.1	1
219	Kinetic evaluation for aerobic biodegradation of resorcinol in a batch reactor. International Journal of Environmental Technology and Management, 2011, 14, 326.	0.1	1
220	Mitigation of Global Warming Potential for Cleaner Composting. Energy, Environment, and Sustainability, 2018, , 271-305.	0.6	1
221	Solid waste and wastewater management: A social and global perspective. , 2021, , 1-22.		1
222	Waste-Reduction Techniques in Fresh Produce. , 2019, , 241-278.		1
223	An approach for integrating sustainable development goals (SDGs) through organic waste management. , 2022, , 331-350.		1
224	Current status of available techniques for removal of heavy metal contamination in the river ecosystem. , 2022, , 217-234.		1
225	A Special Grouping of Papers on Landfill Gas Modeling and Management. Journal of the Air and Waste Management Association, 2008, 58, 602-602.	0.9	0
226	Leaf composting in cold climates: a theoretical and an experimental evaluation. International Journal of Environmental Technology and Management, 2010, 13, 222.	0.1	0
227	Probability of Aluminum Toxicity from Bhandup Complex Water Treatment Plant, Mumbai: Case Study. Journal of Hazardous, Toxic, and Radioactive Waste, 2011, 15, 305-311.	1.2	0
228	The Concept of Energy-Efficient Residential Block Design. , 2019, , 185-210.		0
229	Toxicity-removal efficiency of Brassica juncea, Chrysopogon zizanioides and Pistia stratiotes to decontaminate biomedical ash under non-chelating and chelating conditions: A pilot- scale phytoextraction study. Chemosphere, 2022, 287, 132416.	4.2	0
230	Monitoring of Land Use/Land Cover Changes by the Application of GIS for Disposal of Solid Waste: A Case Study of Proposed Smart Cities in Bihar. Lecture Notes in Civil Engineering, 2021, , 253-262.	0.3	0
231	Experimental investigation on utilization of distillery sludge mixed with coal as a Low-grade fuel in brick kiln industry and product analysis. Fuel, 2022, 324, 124467.	3.4	0