SCI Publication Published By CSIR-NEERI During JAN 2022 to DEC 2022											
Sr. No.	Division Name	Author Names	Title	Source	Vol.	Iss.	Start Page	End Page	Article Number	Publication Year	IF 2021
1	APC	Devotta, Sukumar; Chelani, Asha	Unified artificial neural network-group contribution method for predictions of normal boiling point and critical temperature of refrigerants and related compounds	INTERNATIONAL JOURNAL OF REFRIGERATION	140		112	124		2022	4.14
2	APC	Kumar, Navneet; Middey, Anirban	Interaction of aerosol with meteorological parameters and its effect on the cash crop in the Vidarbha region of Maharashtra, India	INTERNATIONAL JOURNAL OF BIOMETEOROLOGY	66	7	1473	1485		2022	3.738
3	APC	Kumar, Navneet; Middey, Anirban	Prognosis of boundary layer assimilative capacity over a landlocked urban district in India: A prelude to exposure risk assessment	URBAN CLIMATE	41				101076	2022	6.663
4	APC	Chelani, Asha B.; Gautam, Sneha	The influence of meteorological variables and lockdowns on COVID-19 cases in urban agglomerations of Indian cities	STOCHASTIC ENVIRONMENTAL RESEARCH AND RISK ASSESSMENT	36	9	2949	2960		2022	3.821

5	APC	Chelani, AB	Estimating background particulate matter concentration in Indian cities through statistical methods	INTERNATIONAL JOURNAL OF ENVIRONMENTAL SCIENCE AND TECHNOLOGY	19	10	9967	9978		2022	3.519
6	APC	Chelani, A; Gautam, S	Lockdown during COVID-19 pandemic: A case study from Indian cities shows insignificant effects on persistent property of urban air quality	GEOSCIENCE FRONTIERS	13	6			101284	2022	7.483
7	APC WRD	Patil, Ashish; Dhote, Lekha; Middey, Anirban; Neelkamal; Pandey, Ram Avtar; Kumar, Sunil	Emission characteristics for combustion of sludge with coal in a grate furnace aimed at boiler application	FUEL	324				124598	2022	8.035
8	BDPMP	Dahake, RV; Bansiwal, A	Disposable Sensors for Heavy Metals Detection: A Review of Carbon and Non-Noble Metal-Based Receptors	CHEMISTRYSELECT	7	42			e202202824	2022	2.307

9	CTMD	Bala, N; Pakade, YB; Katnoria, JK	Assessment of air pollution tolerance index and anticipated performance index of a few local plant species available at the roadside for mitigation of air pollution and green belt development	AIR QUALITY ATMOSPHERE AND HEALTH	15	12	2269	2281		2022	5.804
10	CTMD	Nair, M; Dey, S; Bherwani, H; Ghosh, AK	Long-term changes in aerosol loading over the 'BIHAR' State of India using nineteen years (2001-2019) of high-resolution satellite data (1 x 1 km(2))	ATMOSPHERIC POLLUTION RESEARCH	13	1			101259	2022	4.832
11	CTMD EAPID QMSD	Prasad, Poonam; Raut, Piyush; Goel, Sangita; Barnwal, Rajesh P.; Bodhe, G. L.	Electronic nose and wireless sensor network for environmental monitoring application in pulp and paper industry: a review	ENVIRONMENTAL MONITORING AND ASSESSMENT	194	12			855	2022	3.307

12	CTMD WTMD	Kadaverugu, Rakesh; Dhyani, Shalini; Purohit, Vigna; Dasgupta, Rajarshi; Kumar, Pankaj; Hashimoto, Shizuka; Pujari, Paras; Biniwale, Rajesh	Scenario-based quantification of land-use changes and its impacts on ecosystem services: A case of Bhitarkanika mangrove area, Odisha, India	JOURNAL OF COASTAL CONSERVATION	26	4			30	2022	2.098
13	CZC	Pushpalatha, Nataraj; Abraham, Elezabeth, V; Saravanan, Govindachetty	Pt-Cu nanoalloy catalysts: compositional dependence and selectivity for direct electrochemical oxidation of formic acid	NEW JOURNAL OF CHEMISTRY	46	24	11883	11892		2022	3.925
14	DIR	Dehal, A; Vaidya, AN; Kumar, AR	Biomedical waste generation and management during COVID-19 pandemic in India: challenges and possible management strategies	ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH	29	10	14830	14845		2022	5.19
15	DZC	Goyal, Prachi; Gulia, Sunil; Goyal, Sanjeev Kumar	Quantitative assessment and mitigation measures of air pollution from crematoria in NCT of Delhi	ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH	29	49	74784	74796		2022	5.19

16	DZC	Mandal, Papiya; Sarkar, Raju; Kamal, Neel; Das, Manob; Mandal, Anubha	Diurnal and Seasonal Variation of Atmospheric Particulate Matter and Trace Gases in Industrial Area of Delhi: A Study	BULLETIN OF ENVIRONMENTAL CONTAMINATION AND TOXICOLOGY	109	3	488	494		2022	2.807
17	DZC	Goyal, P; Gulia, S; Goyal, SK	Development of strategic air quality improvement framework for urban hotspots	JOURNAL OF CLEANER PRODUCTION	380				134886	2022	11.07
18	DZC	Jangirh, R; Ahlawat, S; Arya, R; Mondal, A; Yadav, L; Kotnala, G; Yadav, P; Choudhary, N; Rani, M; Banoo, R; Rai, A; Saharan, US; Rastogi, N; Patel, A; Shivani; Gadi, R; Saxena, P; Vijayan, N; Sharma, C; Sharma, SK; Mandal,	Gridded distribution of total suspended particulate matter (TSP) and their chemical characterization over Delhi during winter	ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH	29	12	17892	17918		2022	5.19

19	DZC	Verma, SR; Pervez, S; Mandal, P; Chow, JC; Watson, JG; Andrabi, SM; Verma, M; Dugga, P; Khan, NA; Pervez, YF; Mishra, A; Deb, MK; Karbhal, I; Tiwari, S; Ghosh, KK; Shrivas, K; Satnami, ML	Atmospheric Abundance of PM2.5 Carbonaceous Matter and Their Potential Sources at Three High-Altitude Glacier Sites over the Indian Himalayan Range	ACS EARTH AND SPACE CHEMISTRY	6	12	2919	2928		2022	3.556
20	DZC HZC	Gulia, S; Kaur, S; Mendiratta, S; Tiwari, R; Goyal, SK; Gargava, P; Kumar, R	Performance evaluation of air pollution control device at traffic intersections in Delhi	INTERNATIONAL JOURNAL OF ENVIRONMENTAL SCIENCE AND TECHNOLOGY	19	2	785	796		2022	3.519

21	DZC, ERMD, WWTD	Soni, Arti Roshan; Makde, Ketan; Amrit, Kumar; Vijay, Ritesh; Kumar, Rakesh	Noise prediction and environmental noise capacity for urban traffic of Mumbai	APPLIED ACOUSTICS	188				108516	2022	3.614
22	EBGD	Pardeshi, Sushma; Dhodapkar, Rita	Advances in fabrication of molecularly imprinted electrochemical sensors for detection of contaminants and toxicants	ENVIRONMENTAL RESEARCH	212				113359	2022	8.431
23	EBGD	Ghosh, Saheli; Purohit, Hemant J.; Qureshi, Asifa	Managing gene expression in Pseudomonas simiae EGD-AQ6 for chloroaromatic compound degradation	ARCHIVES OF MICROBIOLOGY	204	2			132	2022	2.667
24	EBGD	Bhende, Rahul S.; Jhariya, Upasana; Srivastava, Shweta; Bombaywala, Sakina; Das, Sanchita; Dafale, Nishant A.	Environmental Distribution, Metabolic Fate, and Degradation Mechanism of Chlorpyrifos: Recent and Future Perspectives	APPLIED BIOCHEMISTRY AND BIOTECHNOLOGY	194	5	2301	2335		2022	3.094

25	EBGD	Singh, Ashish Kumar; Gupta, Rakesh Kumar; Purohit, Hemant J.; Khardenavis, Anshuman Arun	Genomic characterization of denitrifying methylotrophic Pseudomonas aeruginosa strain AAK/M5 isolated from municipal solid waste landfill soil	WORLD JOURNAL OF MICROBIOLOGY & BIOTECHNOLOGY	38	8			140	2022	3.312
26	EBGD	Chafale, Ayushi; Kapley, Atya	Biosurfactants as microbial bioactive compounds in microbial enhanced oil recovery	JOURNAL OF BIOTECHNOLOGY	352		1	15		2022	3.595
27	EBGD	Das, Sanchita; Bombaywala, Sakina; Srivastava, Shweta; Kapley, Atya; Dhodapkar, Rita; Dafale, Nishant A.	Genome plasticity as a paradigm of antibiotic resistance spread in ESKAPE pathogens	ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH	29	27	40507	40519		2022	5.19
28	EBGD	Bhujbal, Sachin Krushna; Ghosh, Pooja; Vijay, Virendra Kumar; Rathour, Rashmi; Kumar, Manish; Singh, Lal; Kapley, Atya	Biotechnological potential of rumen microbiota for sustainable bioconversion of lignocellulosic waste to biofuels and value-added products	SCIENCE OF THE TOTAL ENVIRONMENT	814				152773	2022	10.75

29	EBGD	Sharma, Jyoti; Kapley, Atya; Sundar, Durai; Srivastava, Preeti	Characterization of a potent biosurfactant produced from Franconibacter sp. IITDAS19 and its application in enhanced oil recovery	COLLOIDS AND SURFACES B-BIOINTERFACES	214				112453	2022	5.999
30	EBGD	Varghese, Vijay K.; Poddar, Bhagyashri J.; Shah, Maulin P.; Purohit, Hemant J.; Khardenavis, Anshuman A.	A comprehensive review on current status and future perspectives of microbial volatile fatty acids production as platform chemicals	SCIENCE OF THE TOTAL ENVIRONMENT	815				152500	2022	10.75
31	EBGD	Bhanse, Poonam; Kumar, Manish; Singh, Lal; Awasthi, Mukesh Kumar; Qureshi, Asifa	Role of plant growth-promoting rhizobacteria in boosting the phytoremediation of stressed soils: Opportunities, challenges, and prospects	CHEMOSPHERE	303				134954	2022	8.943

32	EBGD	Hossain, Rumana; Islam, Md Tasbirul; Shanker, Riya; Khan, Debishree; Locock, Katherine Elizabeth Sarah; Ghose, Anirban; Schandl, Heinz; Dhodapkar, Rita; Sahajwalla, Veena	Plastic Waste Management in India: Challenges, Opportunities, and Roadmap for Circular Economy	SUSTAINABILITY	14	8			4425	2022	3.889
33	EBGD	Yadav, Swati; Pandey, Vimal Chandra; Kumar, Munesh; Singh, Lal	Plant diversity and ecological potential of naturally colonizing vegetation for ecorestoration of fly ash disposal area	ECOLOGICAL ENGINEERING	176				106533	2022	4.379

34	EBGD	Singh, Ashish Kumar; Nakhate, Suraj Prabhakarrao; Gupta, Rakesh Kumar; Chavan, Atul Rajkumar; Poddar, Bhagyashri Jagdishprasad; Prakash, Om; Shouche, Yogesh S.; Purohit, Hemant J.; Khardenavis, Anshuman Arun	Mining the landfill soil metagenome for denitrifying methanotrophic taxa and validation of methane oxidation in microcosm	ENVIRONMENTAL RESEARCH	215				114199	2022	8.431
35	EBGD	Bohra, Varsha; Tikariha, Hitesh; Purohit, Hemant J.; Dafale, Nishant A.	Unique pool of carbohydrate-degrading enzymes in novel bacteria assembled from cow and buffalo rumen metagenomes	APPLIED MICROBIOLOGY AND BIOTECHNOLOGY	106	12	4643	4654		2022	5.56

36	EBGD	Puri, Akshita; Bajaj, Abhay; Singh, Yogendra; Lal, Rup	Harnessing taxonomically diverse and metabolically versatile genus Paracoccus for bioplastic synthesis and xenobiotic biodegradation	JOURNAL OF APPLIED MICROBIOLOGY	132	6	4208	4224		2022	4.059
37	EBGD	Sridharan, Srinidhi; Kumar, Manish; Saha, Mahua; Kirkham, M. B.; Singh, Lal; Bolan, Nanthi S.	The polymers and their additives in particulate plastics: What makes them hazardous to the fauna?	SCIENCE OF THE TOTAL ENVIRONMENT	824				153828	2022	10.75

38	EBGD	Yadav, Krishna K.; Nimonkar, Yogesh; Poddar, Bhagyashri J.; Kovale, Lochana; Sagar, Isita; Shouche, Yogesh; Purohit, Hemant J.; Khardenavis, Anshuman A.; Green, Stefan J.; Prakash, Om	Two-Dimensional Cell Separation: a High-Throughput Approach to Enhance the Culturability of Bacterial Cells from Environmental Samples	MICROBIOLOGY SPECTRUM	10	3				2022	9.043
39	EBGD	Tulsani, Nilam J.; Jakhesara, Subhash J.; Hinsu, Ankit T.; Jyotsana, Basanti; Dafale, Nishant A.; Patil, Niteen, V; Purohit, Hemant J.; Joshi, Chaitanya G.	Genome analysis and CAZy repertoire of a novel fungus Aspergillus sydowii C6d with lignocellulolytic ability isolated from camel rumen	ELECTRONIC JOURNAL OF BIOTECHNOLOGY	59		36	45		2022	2.826

40	EBGD	Rathour, Rashmi; Kumar, Hemant; Prasad, Komal; Anerao, Prathmesh; Kumar, Manish; Kapley, Atya; Pandey, Ashok; Awasthi, Mukesh Kumar; Singh, Lal	Multifunctional applications of bamboo crop beyond environmental management: an Indian prospective	BIOENGINEERED	13	4	8893	8914		2022	6.832
41	EBGD	Awasthi, Sanjeev Kumar; Kumar, Manish; Kumar, Vinay; Sarsaiya, Surendra; Anerao, Prathmesh; Ghosh, Pooja; Singh, Lal; Liu, Hong; Zhang, Zengqiang; Awasthi, Mukesh Kumar	A comprehensive review on recent advancements in biodegradation and sustainable management of biopolymers	ENVIRONMENTAL POLLUTION	307				119600	2022	9.988

42	EBGD	Kumar, Manish; Bolan, Nanthi; Jasemizad, Tahereh; Padhye, Lokesh P.; Sridharan, Srinidhi; Singh, Lal; Bolan, Shiv; O'Connor, James; Zhao, Haochen; Shaheen, Sabry M.; Song, Hocheol; Siddique, Kadambot H. M.; Wang, Hailong; Kirkham, M. B.; Rinklebe,	Mobilization of contaminants: Potential for soil remediation and unintended consequences	SCIENCE OF THE TOTAL ENVIRONMENT	839				156373	2022	7.926

43	EBGD	O'Connor, James; Bolan, Nanthi S.; Kumar, Manish; Nitai, Ashis Sutradhar; Ahmed, Mohammad Boshir; Bolan, Shiv S.; Vithanage, Meththika; Rinklebe, Jorg; Mukhopadhyay, Raj; Srivastava, Prashant; Sarkar, Binoy; Bhatnagar, Amit; Wang,	Distribution, transformation and remediation of poly- and per-fluoroalkyl substances (PFAS) in wastewater sources	PROCESS SAFETY AND ENVIRONMENTAL PROTECTION	164		91	108		2022	7.926

44	EBGD	Sarkar, Binoy; Dissanayake, Pavani Dulanja; Bolan, Nanthi S.; Dar, Jaffer Yousuf; Kumar, Manish; Haque, Md Niamul; Mukhopadhyay, Raj; Ramanayaka, Sammani; Biswas, Jayanta Kumar; Tsang, Daniel C. W.; Rinklebe, Jorg; Ok, Yong Sik	Challenges and opportunities in sustainable management of microplastics and nanoplastics in the environment	ENVIRONMENTAL RESEARCH	207				112179	2022	8.431

45	EBGD	Baskar, Arun, V; Bolan, Nanthi; Hoang, Son A.; Sooriyakumar, Prasanthi; Kumar, Manish; Singh, Lal; Jasemizad, Tahereh; Padhye, Lokesh P.; Singh, Gurwinder; Vinu, Ajayan; Sarkar, Binoy; Kirkham, M. B.; Rinklebe, Joerg; Wang, Shengsen; Wang, Hailong;	Recovery, regeneration and sustainable management of spent adsorbents from wastewater treatment streams: A review	SCIENCE OF THE TOTAL ENVIRONMENT	822				153555	2022	9.136
46	EBGD	Poddar, BJ; Nakhate, SP; Gupta, RK; Chavan, AR; Singh, AK; Khardenavis, AA; Purohit, HJ	A comprehensive review on the pretreatment of lignocellulosic wastes for improved biogas production by anaerobic digestion	INTERNATIONAL JOURNAL OF ENVIRONMENTAL SCIENCE AND TECHNOLOGY	19	4	3429	3456		2022	3.519

47	EBGD	Yesankar, PJ; Pal, M; Salok, A; Qureshi, A	Assessment of Biofilm Inhabitants of Deteriorated Surfaces of Heritage Sites	GEOMICROBIOLOGY JOURNAL	39	10	906	915		2022	2.412
48	EBGD	Abhishek, K; Shrivastava, A; Vimal, V; Gupta, AK; Bhujbal, SK; Biswas, JK; Singh, L; Ghosh, P; Pandey, A; Sharma, P; Kumar, M	Biochar application for greenhouse gas mitigation, contaminants immobilization and soil fertility enhancement: A state-of-the-art review	SCIENCE OF THE TOTAL ENVIRONMENT	853				158562	2022	10.75
49	EBGD	Jha, V; Purohit, H; Dafale, NA	Designing an Efficient Consortium for Improved Crop Productivity using Phosphate Stress Adapted Bacteria with Multiple Growth-Promoting Attributes	GEOMICROBIOLOGY JOURNAL	39	10	925	938		2022	2.412

50	EBGD	Nakhate, SP; Gupta, RK; Poddar, BJ; Singh, AK; Tikariha, H; Pandit, PD; Khardenavis, AA; Purohit, HJ	Influence of lignin level of raw material on anaerobic digestion process in reorganization and performance of microbial community	INTERNATIONAL JOURNAL OF ENVIRONMENTAL SCIENCE AND TECHNOLOGY	19	3	1819	1836		2022	3.519
51	EBGD	Maitreya, A; Pal, S; Qureshi, A; Reyed, RM; Purohit, HJ	Nitric oxide-secreting probiotics as sustainable bio-cleaners for reverse osmosis membrane systems	ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH	29	4	4911	4929		2022	5.19
52	EBGD	Gupta, RK; Poddar, BJ; Nakhate, SP; Chavan, AR; Singh, AK; Purohit, HJ; Khardenavis, AA	Role of heterotrophic nitrifiers and aerobic denitrifiers in simultaneous nitrification and denitrification process: a nonconventional nitrogen removal pathway in wastewater treatment	LETTERS IN APPLIED MICROBIOLOGY	74	2	159	184		2022	2.813
53	EBGD	Pandey, VC; Rai, A; Singh, L; Singh, DP	Understanding the Role of Litter Decomposition in Restoration of Fly Ash Ecosystem	BULLETIN OF ENVIRONMENTAL CONTAMINATION AND TOXICOLOGY	108	3	389	395		2022	2.807

54	EBGD	Jha, V; Bombaywala, S; Purohit, H; Dafale, NA	Differential colonization and functioning of microbial community in response to phosphate levels	JOURNAL OF ENVIRONMENTAL MANAGEMENT	321				115856	2022	8.91
55	EBGD	Nandy, S; Kalra, D; Kapley, A	Designing efficient floating bed options for the treatment of eutrophic water	AQUA-WATER INFRASTRUCTURE ECOSYSTEMS AND SOCIETY	71	12	1332	1343		2022	3.007
56	EBGD	Rather, MA; Deori, PJ; Gupta, K; Daimary, N; Deka, D; Qureshi, A; Dutta, TK; Joardar, SN; Mandal, M	Ecofriendly phytofabrication of silver nanoparticles using aqueous extract of Cuphea carthagenensis and their antioxidant potential and antibacterial activity against clinically important human pathogens	CHEMOSPHERE	300				134497	2022	8.943
57	EBGD KZC	Singh, Anshika; Marathe, Deepak;	Effect of Different Organic Substrates on Selected Life	ENVIRONMENTAL ENTOMOLOGY	51	3	641	641		2022	2.387
58	EISD	Scaria, Jaimy; Nidheesh, Puthiya Veetil	Comparison of hydroxyl-radical-based advanced oxidation processes with sulfate radical-based advanced oxidation processes	CURRENT OPINION IN CHEMICAL ENGINEERING	36				100830	2022	6.117

59	EISD	Scaria, Jaimy; Gopinath, Ashitha; Ranjith, N.; Ravindran, Vyshakh; Ummar, Safar; Nidheesh, P., V; Kumar, M. Suresh	Carbonaceous materials as effective adsorbents and catalysts for the removal of emerging contaminants from water	JOURNAL OF CLEANER PRODUCTION	350				131319	2022	11.07
60	EISD	Nidheesh, P., V; Behera, Bibhuduttta; Babu, D. Syam; Scaria, Jaimy; Kumar, M. Suresh	Mixed industrial wastewater treatment by the combination of heterogeneous electro-Fenton and electrocoagulation processes	CHEMOSPHERE	290				133348	2022	8.943
61	EISD	Scaria, Jaimy; Nidheesh, Puthiya Veetil	Magnetite-reduced graphene oxide nanocomposite as an efficient heterogeneous Fenton catalyst for the degradation of tetracycline antibiotics	ENVIRONMENTAL SCIENCE-WATER RESEARCH & TECHNOLOGY	8	6	1261	1276		2022	5.819

62	EISD	Srivastava, Vartika; Puri, Mehak; Srivastava, Tanmay; Nidheesh, P. V.; Kumar, M. Suresh	Integrated soil washing and bioreactor systems for the treatment of hexachlorocyclohexane contaminated soil: A review on enhanced degradation mechanisms, and factors affecting soil washing and bioreactor performances	ENVIRONMENTAL RESEARCH	208				112752	2022	8.431
63	EISD	Srivastava, Vartika; Dhuliya, Shekhar; Kumar, M. Suresh	Biodegradation of technical hexachlorocyclohexane by Cupriavidus malaysiensis	WORLD JOURNAL OF MICROBIOLOGY & BIOTECHNOLOGY	38	6			108	2022	3.312
64	EISD	Gopinath, Ashitha; Pisharody, Lakshmi; Popat, Amishi; Nidheesh, P. V.	Supported catalysts for heterogeneous electro-Fenton processes: Recent trends and future directions	CURRENT OPINION IN SOLID STATE & MATERIALS SCIENCE	26	2			100981	2022	12.86
65	EISD	Nidheesh, P. V.; Divyapriya, G.; Titchou, Fatima Ezzahra; Hamdani, Mohamed	Treatment of textile wastewater by sulfate radical based advanced oxidation processes	SEPARATION AND PURIFICATION TECHNOLOGY	293				121115	2022	9.136

66	EISD	Krishnan, Sukanya; Martinez-Huitle, Carlos A. A.; Nidheesh, P. V.	An overview of chelate modified electro-Fenton processes	JOURNAL OF ENVIRONMENTAL CHEMICAL ENGINEERING	10	2			107183	2022	7.968
67	EISD	Srivastava, Vartika; Karim, Ansaf, V; Babu, Davuluri Syam; Nidheesh, Puthiya Veetil; Kumar, Manukonda Suresh; Gao, Bin	Metal-Loaded Biochar for the Removal of Arsenic from Water: A Critical Review on Overall Effectiveness, Governing Mechanisms, and Influential Factors	CHEMISTRYSELECT	7	32			e202200504	2022	2.307
68	EISD	Karim, Ansaf V.; Hassani, Aydin; Eghbali, Paria; Nidheesh, P. V.	Nanostructured modified layered double hydroxides (LDHs)-based catalysts: A review on synthesis, characterization, and applications in water remediation by advanced oxidation processes	CURRENT OPINION IN SOLID STATE & MATERIALS SCIENCE	26	1			100965	2022	12.86

69	EISD	Nakarmi, Kanchan J.; Daneshvar, Ehsan; Eshaq, Ghada; Puro, Liisa; Maiti, Abhijit; Nidheesh, P. V.; Wang, Hailong; Bhatnagar, Amit	Synthesis of biochar from iron-free and iron-containing microalgal biomass for the removal of pharmaceuticals from water	ENVIRONMENTAL RESEARCH	214				114041	2022	8.431
70	EISD	Ambika, S.; Kumar, Manish; Pisharody, Lakshmi; Malhotra, Milan; Kumar, Gopalakrishnan; Sreedharan, Vandana; Singh, Lal; Nidheesh, P., V; Bhatnagar, Amit	Modified biochar as a green adsorbent for removal of hexavalent chromium from various environmental matrices: Mechanisms, methods, and prospects	CHEMICAL ENGINEERING JOURNAL	439				135716	2022	16.74

71	EISD	Nidheesh, P. V.; Oladipo, Akeem Adeyemi; Yasri, Nael G.; Laiju, A. R.; Cheela, V. R. Sankar; Thiam, Abdoulaye; Asfaha, Yemane G.; Kanmani, S.; Roberts, Edward (Ted) P. L.	Emerging applications, reactor design and recent advances of electrocoagulation process	PROCESS SAFETY AND ENVIRONMENTAL PROTECTION	166		600	616		2022	7.926
72	EISD	Nidheesh, PV; Couras, C; Karim, AV; Nadais, H	A review of integrated advanced oxidation processes and biological processes for organic pollutant removal	CHEMICAL ENGINEERING COMMUNICATIONS	209	3	390	432		2022	2.586
73	EISD	Nidheesh, PV; Ganiyu, SO; Kuppam, C; Mousset, E; Samsudeen, N; Olvera-Vargas, H; Kumar, G	Bioelectrochemical cells as a green energy source for electrochemical treatment of water and wastewater	JOURNAL OF WATER PROCESS ENGINEERING	50				103232	2022	7.34

74	EISD	Varindani, A; Singh, TSA; Menon, P; Nidheesh, PV	Chelate-modified Electro-Fenton process for mixed industrial wastewater treatment	ENVIRONMENTAL TECHNOLOGY	43	22	3497	3506		2022	3.475
75	EISD	Koulini, GV; Laiju, AR; Ramesh, ST; Gandhimathi, R; Nidheesh, PV	Effective degradation of azo dye from textile wastewater by electro-peroxone process	CHEMOSPHERE	289				133152	2022	8.943
76	EISD	Araujo, KCF; dos Santos, EV; Nidheesh, PV; Martinez-Huitle, CA	Fundamentals and advances on the mechanisms of electrochemical generation of persulfate and sulfate radicals in medium	CURRENT OPINION IN CHEMICAL ENGINEERING	38				100870	2022	6.117
77	EISD	Bhambore, N; Kumar, MS	Municipal solid waste generation, management scenarios, and leachate treatment using sequencing batch biofilter granular reactor	PROCESS SAFETY AND ENVIRONMENTAL PROTECTION	167		454	468		2022	7.926
78	EISD	Pisharody, L; Gopinath, A; Malhotra, M; Nidheesh, PV; Kumar, MS	Occurrence of organic micropollutants in municipal landfill leachate and its effective treatment by advanced oxidation processes	CHEMOSPHERE	287				132216	2022	8.943

79	EISD	Nidheesh, PV; Divyapriya, G; Cerkez, EB; Gopinath, A; Banerji, T; Strongin, DR	Oxidative sorption of arsenite from water by iron: a mechanistic perspective	ENVIRONMENTAL SCIENCE-WATER RESEARCH & TECHNOLOGY	8	11	2466	2490		2022	5.819
80	EISD	Hassani, A; Malhotra, M; Karim, AV; Krishnan, S; Nidheesh, PV	Recent progress on ultrasound-assisted electrochemical processes: A review on mechanism, reactor strategies, and applications for wastewater treatment	ENVIRONMENTAL RESEARCH	205				112463	2022	8.431
81	EISD	Anil, G; Scaria, J; Nidheesh, PV	Removal of Synthetic Dye from Aqueous Solution Using MnFe2O4-GO Catalyzed Heterogeneous Electro-Fenton Process	WATER	14	20			3350	2022	3.53
82	EISD	Nidheesh, PV; Gogate, PR	Sulfate radical-based advanced oxidation processes for environmental decontamination	CURRENT OPINION IN CHEMICAL ENGINEERING	38				100873	2022	6.117

83	EISD	Jaimy, S; Nidheesh, PV	The role of non-radical pathway in heterogeneous activation of persulfate and H2O2 by superparamagnetic magnetite-reduced graphene oxide nanocomposite	SEPARATION AND PURIFICATION TECHNOLOGY	299				121764	2022	9.136
84	EISD	Babu, DS; Nidheesh, PV	Treatment of arsenite contaminated water by electrochemically activated persulfate oxidation process	SEPARATION AND PURIFICATION TECHNOLOGY	282				119999	2022	9.136
85	EISD	Nidheesh, PV; Khan, FM; Kadier, A; Akansha, J; Bote, ME; Mousazadeh, M	Removal of nutrients and other emerging inorganic contaminants from water and wastewater by electrocoagulation process	CHEMOSPHERE	307				135756	2022	8.943
86	EISD WRD	Paliya, Sonam; Mandpe, Ashootosh; Bhisikar, Divyesh; Kumar, M. Suresh; Kumar, Sunil	Polybrominated diphenyl ethers (PBDEs) in Indian wastewater treatment plant: Occurrence, mass flow and removal	CHEMOSPHERE	303				135055	2022	8.943

87	EMD	Nagababu, Penumaka; Kularkar, Ankush; Ahmed, Sehba Anjum Mumtaz; Bhanarkar, Anil D.; Krupadam, Reddithota J.; Kumar, Rakesh; Rayalu, Sadhana	Reduced emission Firecrackers: Barium-free pyrotechnic formulations	FUEL	317				123500	2022	8.035
88	EMD	Pilley, Sonali; Kaur, Harkirat; Hippargi, Girivyankatesh; Gonde, Pranjali; Rayalu, Sadhana	Silk fibroin: a promising bio-material for the treatment of heavy metal-contaminated water, adsorption isotherms, kinetics, and mechanism	ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH	29	37	56606	56619		2022	5.19
89	EMD	Sharma, Madhu D.; Krupadam, Reddithota J.	Adsorption-desorption dynamics of synthetic and naturally weathered microfibers with toxic heavy metals and their ecological risk in an estuarine ecosystem	ENVIRONMENTAL RESEARCH	207				112198	2022	8.431

90	EMD	Gujral, Harpreet Singh; Singh, Gurwinder; Baskar, Arun, V; Guan, Xinwei; Geng, Xun; Kotkondawar, Abhay, V; Rayalu, Sadhana; Kumar, Prashant; Karakoti, Ajay; Vinu, Ajayan	Metal nitride-based nanostructures for electrochemical and photocatalytic hydrogen production	SCIENCE AND TECHNOLOGY OF ADVANCED MATERIALS	23	1	76	119		2022	7.821
91	EMD	Aquatar, Md Osim; Bhatia, Urvashi; Rayalu, Sadhana S.; Krupadam, Reddithota J.	Reduced graphene oxide - MnO2 nanocomposite for CO2 capture from flue gases at elevated temperatures	SCIENCE OF THE TOTAL ENVIRONMENT	816				151522	2022	10.75
92	EMD	Dhoble, Rajesh M.; Rayalu, Sadhana; Kularkar, Ankush; Hajare, Hemant	Arsenite removal from drinking water by bark-based magnetic iron oxide particle (BMIOP): a column study	ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH	29	35	52544	52559		2022	5.19

93	EMD	Chaudhari, Sachin D.; Deshpande, Abhishek; Kularkar, Ankush; Tandulkar, Disha; Hippargi, Girivyankatesh; Rayalu, Sadhana S.; Nagababu, Penumaka	Engineering of heterojunction TiO2/CaIn2S4@rGO novel nanocomposite for rapid photodegradation of toxic contaminants	JOURNAL OF INDUSTRIAL AND ENGINEERING CHEMISTRY	114		305	316		2022	6.76
94	EMD	Kumari, Shilpa; Pandit, Aniruddha; Bhende, Ankit; Rayalu, Sadhana	Thermal Management of Solar Panels for Overall Efficiency Enhancement Using Different Cooling Techniques	INTERNATIONAL JOURNAL OF ENVIRONMENTAL RESEARCH	16	4			53	2022	3.229
95	EMD	Lokhande, SK; Garg, N; Jain, MC; Rayalu, S	Evaluation and analysis of firecrackers noise: Measurement Uncertainty, legal noise regulations and noise induced hearing loss	APPLIED ACOUSTICS	186				108462	2022	3.614
96	EMD	Junghare, S; Kumari, S; Chaudhary, A; Kumar, R; Rayalu, S	Thermite reaction driven pyrotechnic formulation with promising functional performance and reduced emissions	JOURNAL OF HAZARDOUS MATERIALS	424				127345	2022	14.22

97	EMD ERMD	Moinuddin, Afsha Anjum; Kotkondawar, Abhay Vijay; Hippargi, Girivyankatesh; Anshul, Avneesh; Rayalu, Sadhana	Morphologically and hierarchically controlled Ag/Ag2MoO4 microspheres for photocatalytic hydrogen generation	APPLIED SURFACE SCIENCE	597				153554	2022	7.392
98	EMD WWTD	Bernard, Kameni Ngounou M.; Prakash, Om; Hippargi, Girivyankatesh; Sylvere, Ndi K.; Joseph, Kayem G.; Pal, Sukdeb	Exploring the applicability of a geopolymer and a biopolymer as an environmentally benign treatment option for heavy metals contaminated water	JOURNAL OF THE TAIWAN INSTITUTE OF CHEMICAL ENGINEERS	135				104392	2022	5.477
99	EMD, SEAF	Junghare, Suraj; Hippargi, Girivyankatesh; Mane, Payal; Lokhande, Satish; Kumari, Shilpa; Kumar, Rakesh; Rayalu, Sadhana	Functional additives: Promising material for reducing emissions in sound emitting pyrotechnic formulations	JOURNAL OF CLEANER PRODUCTION	337				130463	2022	11.07

100	ERMD	Jadhav, Asmita S.; Ramteke, Prajakta; Singh, Sunit K.; Labhasetwar, Nitin K.	Sustainable selenium remediation from water using aluminium-iron mixed oxide: Batch and column adsorption studies	JOURNAL OF WATER PROCESS ENGINEERING	48				102824	2022	7.34
101	ERMD	Sandhu, Randhir Singh; Sehgal, Simerpreet Kaur; Amrit, Kumar; Singh, Navdeep; Singh, Didar	Environmental monitoring to assess ground water quality and its impact on soils in southwestern India	ACTA GEOPHYSICA	70	1	349	360		2022	2.293
102	ERMD	Naved, Mohd Mubashshir; Kumbhare, Himanshu; Wathore, Roshan; Gupta, Ankit; Labhsetwar, Nitin	Evidence for reduced performance discrepancy of improved cookstoves at laboratory and field	AIR QUALITY ATMOSPHERE AND HEALTH	15	4	633	644		2022	5.804

103	ERMD	Uppara, Hari Prasad; Singh, Sunit Kumar; Labhsetwar, Nitin Kumar; Murari, Mudiyaru Subrahmanya; Dasari, Harshini	The decisive factor of hollow spherical network morphology of Nd1-xCexCo1-yCUyO3 +/-delta perovskites towards soot oxidation	CHEMICAL PAPERS	76	6	3771	3787		2022	2.146
104	ERMD	Kumar, Manish; Raj, Abhishek; Kumar, Arvind; Anshul, Avneesh	Computational analysis of bandgap tuning, admittance and impedance spectroscopy measurements in lead-free MASnI(3) perovskite solar cell device	INTERNATIONAL JOURNAL OF ENERGY RESEARCH	46	8	11456	11469		2022	4.672
105	ERMD	Raj, Abhishek; Kumar, Manish; Kumar, Arvind; Laref, Amel; Anshul, Avneesh	Investigating the potential of lead-free double perovskite Cs2AgBiBr6 material for solar cell applications: A theoretical study	INTERNATIONAL JOURNAL OF ENERGY RESEARCH	46	10	13801	13819		2022	4.672

106	ERMD	Kumar, Manish; Prajapati, Brijmohan; Raj, Abhishek; Anshul, Avneesh; Sati, Prakash Chandra; Sahni, Mohit; Kumar, Arvind	Progresses and challenges in the structural and magnetic properties of double perovskite La2NiMnO6 with their applications in solar energy	MATERIALS TODAY-PROCEEDINGS	49		3088	3092		2022	1.46
107	ERMD	Amrani, Mokhtar Ali; Alrafai, H. A.; Al-nami, Samar Y.; Labhasetwar, Nitin K.; Qasem, Ammar	Effect of mixing on nickel tartrate and Ni/NiO core/shell nanoparticles: Implications for morphology, magnetic, optical, dielectric and adsorption properties	OPTICAL MATERIALS	127				112321	2022	3.754
108	ERMD	Kumar, Manish; Kumar, Arvind; Raj, Abhishek; Sati, Prakash Chandra; Sahni, Mohit; Anshul, Avneesh	Organic-inorganic perovskite-based solar cell designs for high conversion efficiency: A comparative study by SCAPS simulation	MATERIALS TODAY-PROCEEDINGS	49		3081	3087		2022	1.46

109	ERMD	Islam, Mohammad Maksimul; Wathore, Roshan; Zerriffi, Hisham; Marshall, Julian D.; Bailis, Rob; Grieshop, Andrew P.	Assessing the Effects of Stove Use Patterns and Kitchen Chimneys on Indoor Air Quality during a Multiyear Cookstove Randomized Control Trial in Rural India	ENVIRONMENTAL SCIENCE & TECHNOLOGY	56	12	8326	8337		2022	11.36
110	ERMD	Raj, Abhishek; Kumar, Manish; Kumar, Arvind; Laref, Amel; Singh, Kedar; Sharma, Subhash; Anshul, Avneesh	Effect of doping engineering in TiO2 electron transport layer on photovoltaic performance of perovskite solar cells	MATERIALS LETTERS	313				131692	2022	3.574

111	ERMD	Othmani, Amina; Kadier, Abudukeremu; Singh, Raghuveer; Igwegbe, Chinenye Adaobi; Bouzid, Mohamed; Aquatar, Md Osim; Khanday, Waheed Ahmad; Bote, Million Ebba; Damiri, Fouad; Gokul, Omuer; Sher, Farooq	A comprehensive review on green perspectives of electrocoagulation integrated with advanced processes for effective pollutants removal from water environment	ENVIRONMENTAL RESEARCH	215				114294	2022	8.431
112	ERMD	Pawar, MS; Raj, A; Singh, AK; Tuli, V; Anshul, A; Kumar, M	Lead-free 'Ca' doped Bi0.80La0.20FeO3 multiferroic material for solar cell applications	MATERIALS TODAY-PROCEEDINGS	67		713	718		2022	1.46

113	ERMD	Kumar, M; Kumar, A; Singh, A; Anshul, A; Sharma, S; Sati, PC	Low temperature magnetic study and first principle calculation in 'Mo' doped CoFe2O4 for magnetic information storage applications	JOURNAL OF ALLOYS AND COMPOUNDS	896				163074	2022	6.371
114	ERMD	Raj, A; Anshul, A; Kumar, M	Numerical simulation study of lead-free double perovskite solar cell through	MATERIALS TODAY-PROCEEDINGS	67		748	751		2022	1.46
115	ERMD	Raj, A; Kumar, M; Anshul, A	Recent Progress in Cesium-Based Lead-Free Halide Double Perovskite Materials for Photovoltaic Applications	PHYSICA STATUS SOLIDI A-APPLICATIONS AND MATERIALS SCIENCE	219	22			2200425	2022	1.782
116	EVC	Rajput, Vinay; Samson, Rachel; Yadav, Rakeshkumar; Dastager, Syed; Khairnar, Krishna; Dharne, Mahesh	Metagenomic mining of Indian river confluence reveal functional microbial community with lignocelluloytic potential	3 BIOTECH	12	6			132	2022	2.893
117	EVC	Nair, A; Ghugare, GS; Khairnar, K	An Appraisal of Bacteriophage Isolation Techniques from Environment	MICROBIAL ECOLOGY	83	3	519	535		2022	4.192

118	EVC	Nair, A; Vyawahare, R; Khairnar, K	Characterization of a novel, biofilm dispersing, lytic bacteriophage against drug-resistant Enterobacter cloacae	JOURNAL OF APPLIED MICROBIOLOGY	132	4	2721	2732		2022	4.059
119	HTC	Bafana, Amit	Identification and characterization of azoreductase enzyme AzoR2 from Bacillus velezensis for biodegradation of azo dyes	INTERNATIONAL BIODETERIORATION & BIODEGRADATION	167				105351	2022	4.907
120	HTC	Nimkande, Vijay D.; Bafana, Amit	A review on the utility of microbial lipases in wastewater treatment	JOURNAL OF WATER PROCESS ENGINEERING	46				102591	2022	7.34
121	HTC	Etchie, Tunde Ogbemi; Sivanesan, Saravanadevi; Etchie, Ayotunde Titilayo; Krishnamurthi, Kannan; Adewuyi, Gregory Olufemi; George, K. V.	Can the Indian national ambient air quality standard protect against the hazardous constituents of PM2.5?	CHEMOSPHERE	303				135047	2022	8.943

122	HTC	Alimba, CG; Rudrashetti, AP; Sivanesan, S; Krishnamurthi, K	Landfill soil leachates from Nigeria and India induced DNA damage and alterations in genes associated with apoptosis in Jurkat cell	ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH	29	4	5256	5268		2022	5.19
123	HTC	Alimba, CG; Sivanesan, S; Krishnamurthi, K	Mitochondrial dysfunctions elicited by solid waste leachates provide insights into mechanisms of leachates induced cell death and pathophysiological disorders	CHEMOSPHERE	307				136085	2022	8.943
124	HZC	Ramakodi, Meganathan P.	Influence of 16S rRNA reference databases in amplicon-based environmental microbiome research	BIOTECHNOLOGY LETTERS	44	3	523	533		2022	2.716
125	HZC	Balaji, S; Tiwari, P; Suresh, A; Sharma, D; Kumar, GVS; Hemadri, VJ; Mondal, A	Noise Mapping and Variance of Road Traffic Noise: Identification of Most Noise Impacting Vehicular Type in an Urban Region	INDIAN JOURNAL OF PURE & APPLIED PHYSICS	60	10	823	832		2022	0.846

126	HZC	Moradeeya, PG; Sharma, A; Kumar, MA; Basha, S	Titanium dioxide based nanocomposites - Current trends and emerging strategies for the photocatalytic degradation of ruinous environmental pollutants	ENVIRONMENTAL RESEARCH	204				112384	2022	8.431
127	KZC	Pramanik, Arun Kumar; Majumdar, Deepanjan; Chatterjee, Abhik	Groundwater hydrochemistry and consumption patterns in Chandwara community development block of Jharkhand state in India	APPLIED WATER SCIENCE	12	4			60	2022	5.411
128	KZC	Mondal, R.; Chakraborty, D.; Majumdar, D.	Phthalate Esters from Packaged Milk and Associated Human Health Risk: A Monte Carlo Probabilistic Simulation Approach	MAPAN-JOURNAL OF METROLOGY SOCIETY OF INDIA	37	2	409	419		2022	1.446

129	KZC	Kumari, Kanchan; Singh, Anshika; Swamy, Senerita; Singhar, Rutika Samant; Thakur, Surabhi	Use of enzymatic biomarkers of Labeo rohita to study the effect of polybrominated diphenyl ether (BDE-209) via dietary exposure in laboratory conditions	ENVIRONMENTAL MONITORING AND ASSESSMENT	194	7			499	2022	3.307
130	KZC	Chakraborty, Arijit; Ghosh, Soma; Biswas, Bratisha; Pramanik, Sreemanta; Nriagu, Jerome; Bhowmick, Subhamoy	Epigenetic modifications from arsenic exposure: A comprehensive review	SCIENCE OF THE TOTAL ENVIRONMENT	810				151218	2022	10.75

131	KZC	Tamrakar, Aishwaryashri; Pervez, Shamsh; Verma, Madhuri; Majumdar, Dipanjali; Pervez, Yasmeen Fatima; Candeias, Carla; Dugga, Princy; Mishra, Archi; Verma, Sushant Ranjan; Deb, Manas Kanti; Shrivas, Kamlesh; Satnami, Manmohan L.; Karbhal,	BTEX in Ambient Air of India: a Scoping Review of their Concentrations, Sources, and impact	WATER AIR AND SOIL POLLUTION	233	10			411	2022	2.984
132	KZC	Chakraborty, Arijit; Pramanik, Sreemanta; Datta, Kallol; Goswami, Rakesh; Saha, Depanwita; Majumdar, Kunal Kanti; Sikdar, Nilabja	Possible Association Between Polymorphisms in ESR1, COL1A2, BGLAP, SPARC, VDR, and MMP2 Genes and Dental Fluorosis in a Population from an Endemic Region of West Bengal	BIOLOGICAL TRACE ELEMENT RESEARCH	200	11	4641	4653		2022	4.081

133	KZC	Singh, Pradyumna Kumar; Chakrabarty, Debasis; Dwivedi, Sanjay; Kumar, Amit;	Nitric oxide-mediated alleviation of arsenic stress involving metalloid detoxification and physiological responses in rice (Oryza sativa L.)	ENVIRONMENTAL POLLUTION	297				118694	2022	9.988
134	KZC	Saha, D; Goswami, R; Chakraborty, A; Ghosh, S; Majumdar, KK;	A STUDY ON THE POSSIBLE IMPACTS OF GROUNDWATER FLUORIDE ON URINARY AND SERUM FLUORIDE AMONG	FLUORIDE	55	2	182	196		2022	1
135	KZC	Bhowmick, K; Roy, S; Bhowmick, S; Jain, R; Majumdar, S; Sahoo, GC; Mondal, P	Fabrication of robust ceramic supported polymeric composite nanofiltration membrane for heavy metal contaminated wastewater treatment	JOURNAL OF WATER PROCESS ENGINEERING	50				103287	2022	7.34
136	KZC	Majumdar, D; Adhikary, H	Identification of sources of ions in early monsoon precipitation over Kolkata Metropolis and two adjoining towns	URBAN CLIMATE	41				101087	2022	6.663
137	KZC	Majumdar, D; Majumdar, D	Dissolved load of aromatic and halogenated non-methane VOCs in urban sewage during wet and dry seasons	ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH	29	40	60289	60301		2022	5.19

138	MZC	Divya, Kandethupara Bhaskaran; Ramesh, Srikrishnaperumal Thanga; Lavanya, Addagada; Gandhimathi, Rajan	Recovery of phosphate as hydroxyapatite by fluidized bed homogeneous crystallization technique	ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH	29	30	46214	46225		2022	5.19
139	MZC	Dudhwadkar, Swapnil; Tandon, Shalini A.; Salunkhe, Abhaysinh; Dalvi, Krutika	Inhibition of Multi Drug Resistant Bacterial Species, Scandinavium goeteborgense CCUG 66741 and Aeromonas veronii CRC6 Isolated from a Waste Water Treatment Facility Using Nanocomposites	JOURNAL OF WATER CHEMISTRY AND TECHNOLOGY	44	3	198	207		2022	0.484
140	OTHER	Ahmad, Shamshad; Iqbal, Kashifa; Kothari, Richa; Singh, Har Mohan; Sari, Ahmet; Tyagi, V. V.	A critical overview of upstream cultivation and downstream processing of algae-based biofuels: Opportunity, technological barriers and future perspective	JOURNAL OF BIOTECHNOLOGY	351		74	98		2022	3.595

141	OTHER	Azam, Rifat; Kothari, Richa; Singh, Har Mohan; Ahmad, Shamshad; Sari, Ahmet; Tyagi, V. V.	Cultivation of two Chlorella species in Open sewage contaminated channel wastewater for biomass and biochemical profiles: Comparative lab-scale approach	JOURNAL OF BIOTECHNOLOGY	344		24	31		2022	3.595
142	OTHER	Kothari, R; Pathak, AK; Sharma, V; Ahmad, S; Singh, HM; Singh, RP; Tyagi, VV	Impact of Pollutant Load from Textile Dyeing Industry Wastewater on Biometric Growth Profile of Vigna radiata	BULLETIN OF ENVIRONMENTAL CONTAMINATION AND TOXICOLOGY	109	6	969	976		2022	2.807
143	OTHER	Khan, AH; Khan, NA; Zubair, M; Shaida, MA; Manzar, MS; Abutaleb, A; Naushad, M; Iqbal, J	Sustainable green nanoadsorbents for remediation of pharmaceuticals from water and wastewater: A critical review	ENVIRONMENTAL RESEARCH	204				112243	2022	8.431

144	OTHERS DZC	Srichandan, H; Mishra, S; Singh, PK; Blight, K; Singh, S	Sequential-Anaerobic and Sequential-Aerobic Bioleaching of Metals (Ni, Mo, Al and V) from Spent Petroleum Catalyst in Stirred Tank Batch Reactor: A Comparative Study	INDIAN JOURNAL OF MICROBIOLOGY	62	1	70	78		2022	2.461
145	OTHERS MZC	Deore, Radhika; Kumar, Rakesh; Mirza, Mohammad Waqqas; Khan, Abid Ali	Selecting suitable seed sludge for anammox enrichment: Role of influent characteristics and reactor operational conditions	BIORESOURCE TECHNOLOGY	347				126719	2022	11.89
146	OTHERS WRD	Americo-Pinheiro, JHP; Paschoa, CVM; Salomao, GR; Cruz, IA; Isique, WD; Ferreira, LFR; Sher, F; Torres, NH; Kumar, V; Pinheiro, RSB	Adsorptive remediation of naproxen from water using in-house developed hybrid material functionalized with iron oxide	CHEMOSPHERE	289				133222	2022	8.942
147	RMO	Singh, Prateek; Ujjainiya, Rajat;	A machine learning-based approach to determine	COMPUTERS IN BIOLOGY AND MEDICINE	146				105419	2022	6.698

148	WRD	Agrawal, Sakshi; Kumar, Vineet; Kumar, Sunil; Shahi, Sushil Kumar	Plant development and crop protection using phytonanotechnology: A new window for sustainable agriculture	CHEMOSPHERE	299				134465	2022	8.943
149	WRD	Sharma, Pooja; Nanda, Kavita; Yadav, Mamta; Shukla, Ashutosh; Srivastava, Sudhir Kumar; Kumar, Sunil; Singh, Surendra Pratap	Remediation of noxious wastewater using nanohybrid adsorbent for preventing water pollution	CHEMOSPHERE	292				133380	2022	8.943
150	WRD	Kumar, Pradeep; Dipti, Sunil; Kumar, Sunil; Singh, Rana Pratap	Severe contamination of carcinogenic heavy metals and metalloid in agroecosystems and their associated health risk assessment	ENVIRONMENTAL POLLUTION	301				118953	2022	9.988
151	WRD	Kumar, Aman; Singh, Ekta; Mishra, Rahul; Lo, Shang-Lien; Kumar, Sunil	A green approach towards sorption of CO2 on waste derived biochar	ENVIRONMENTAL RESEARCH	214				113954	2022	8.431

152	WRD	Kumar, Vineet; Agrawal, Sakshi; Shahi, Sushil Kumar; Motghare, Ankit; Singh, Simranjeet; Ramamurthy, Praveen C.	Bioremediation potential of newly isolated Bacillus albus strain VKDS9 for decolourization and detoxification of biomethanated distillery effluent and its metabolites characterization for environmental sustainability	ENVIRONMENTAL TECHNOLOGY & INNOVATION	26				102260	2022	7.758
153	WRD	Singh, Deval; Aryan, Yash; Chavan, Digambar; Tembhare, Mamta; Dikshit, Anil Kumar; Kumar, Sunil	Mask consumption and biomedical waste generation rate during Covid-19 pandemic: A case study of central India	ENVIRONMENTAL RESEARCH	212				113363	2022	8.431

154	WRD	Attalage, Dinu S.; Hettiaratchi, Patrick A.; Jayasinghe, Poornima; Dunfield, Peter F.; Smirnova, Angela, V; Rathnavibushana, Upeksha K.; Erkmen, Melissa; Kumar, Sunil	Field study on the effect of vegetation on the performance of soil methanotrophy-based engineered systems-Column experiments	SOIL BIOLOGY & BIOCHEMISTRY	167				108583	2022	8.546
155	WRD	Sarve, Dayaram Tulsiram; Singh, Sunit Kumar; Ekhe, Jayant D.	Ethanol dehydration to diethyl ether over ZSM-5 and beta-Zeolite supported Ni-W catalyst	INORGANIC CHEMISTRY COMMUNICATIONS	139				109397	2022	3.428
156	WRD	Sharma, Pooja; Chaturvedi, Preeti; Chandra, Ram; Kumar, Sunil	Identification of heavy metals tolerant Brevundimonas sp. from rhizospheric zone of Saccharum munja L. and their efficacy in in-situ phytoremediation	CHEMOSPHERE	295				133823	2022	8.943

157	WRD	Kar, Susmita; Santra, Bhaskar; Kumar, Sunil; Ghosh, Sourja; Majumdar, Swachchha	Sustainable conversion of textile industry cotton waste into P-dopped biochar for removal of dyes from textile effluent and valorisation of spent biochar into soil conditioner towards circular economy	ENVIRONMENTAL POLLUTION	312				120056	2022	9.988
158	WRD	Kumar, Sunil; Naushad, Mu; Sillanpaa, Mika	Mining of resources from solid waste employing advance treatment technologies	CHEMOSPHERE	307				135353	2022	8.943
159	WRD	Zhao, Xinyu; Xu, Kaili; Wang, Jingwen; Wang, Ziqi; Pan, Ruokun; Wang, Quan; Li, Songling; Kumar, Sunil; Zhang, Zengqiang; Li, Ronghua	Potential of biochar integrated manganese sulfate for promoting pig manure compost humification and its biological mechanism	BIORESOURCE TECHNOLOGY	357				127350	2022	11.89

160	WRD	Singh, Ekta; Mishra, Rahul; Kumar, Aman; Shukla, Sushil Kumar; Lo, Shang-Lien; Kumar, Sunil	Circular economy-based environmental management using biochar: Driving towards sustainability	PROCESS SAFETY AND ENVIRONMENTAL PROTECTION	163		585	600		2022	7.926
161	WRD	Sharma, Pooja; Dutta, Deblina; Udayan, Aswathy; Nadda, Ashok Kumar; Lam, Su Shiung; Kumar, Sunil	Role of microbes in bioaccumulation of heavy metals in municipal solid waste: Impacts on plant and human being	ENVIRONMENTAL POLLUTION	305				119248	2022	9.988
162	WRD	Dhote, Lekha; Ganduri, Jerusha; Kumar, Sunil	Evaluation of pyrolysis and gasification of distillery sludge and bio-compost mixed with coal	FUEL	319				123750	2022	8.035
163	WRD	Kumar, Vineet; Bilal, Muhammad; Ferreira, Luiz Fernando Romanholo	Editorial: Recent Trends in Integrated Wastewater Treatment for Sustainable Development	FRONTIERS IN MICROBIOLOGY	13				846503	2022	6.064

164	WRD	Singh, Simranjeet; Anil, Amith G.; Naik, T. S. Sunil Kumar; Basavaraju, U.; Khasnabis, Sutripto; Nath, Bidisha; Kumar, Vineet; Subramanian, S.; Singh, Joginder; Ramamurthy, Praveen C.	Mechanism and kinetics of Cr(VI) adsorption on biochar derived from Citrobacter freundii under different pyrolysis temperatures	JOURNAL OF WATER PROCESS ENGINEERING	47				102723	2022	7.34
165	WRD	Surana, Deepti; Gupta, Juhi; Sharma, Satyawati; Kumar, Sunil; Ghosh, Pooja	A review on advances in removal of endocrine disrupting compounds from aquatic matrices: Future perspectives on utilization of agri-waste based adsorbents	SCIENCE OF THE TOTAL ENVIRONMENT	826				154129	2022	10.75
166	WRD	Mishra, Rahul; Singh, Ekta; Kumar, Aman; Ghosh, Arpita; Lo, Shang-Lien; Kumar, Sunil	Co-gasification of solid waste and its impact on final product yields	JOURNAL OF CLEANER PRODUCTION	374				133989	2022	11.07

167	WRD	Singh, Mukesh; Rano, Sujoy; Roy, Sandhik; Mukherjee, Pallav; Dalui, Sushovan; Gupta, Goutam Kishore; Kumar, Sunil; Mondal, Monoj Kumar	Characterization of organophosphate pesticide sorption of potato peel biochar as low cost adsorbent for chlorpyrifos removal	CHEMOSPHERE	297				134112	2022	8.943
168	WRD	Wang, Zhaoyu; Ding, Yongzhen; Ren, Xiuna; Xie, Jianwen; Kumar, Sunil; Zhang, Zengqiang; Wang, Quan	Effect of micronutrient selenium on greenhouse gas emissions and related functional genes during goat manure composting	BIORESOURCE TECHNOLOGY	349				126805	2022	11.89
169	WRD	Chang, Chang-Tang; Negi, Suraj; Rani, Aishwarya; Hu, Allen H.; Pan, Shu-Yuan; Kumar, Sunil	Food waste and soybean curd residue composting by black soldier fly	ENVIRONMENTAL RESEARCH	214				113792	2022	8.431

170	WRD	Kaur, Jaskaran; Bhat, Sartaj Ahmad; Singh, Navdeep; Bhatti, Sandip Singh; Kaur, Varinder; Katnoria, Jatinder Kaur	Assessment of the Heavy Metal Contamination of Roadside Soils Alongside Buddha Nullah, Ludhiana, (Punjab) India	INTERNATIONAL JOURNAL OF ENVIRONMENTAL RESEARCH AND PUBLIC HEALTH	19	3			1596	2022	4.614
171	WRD	Huang, Song-Jeng; Dwivedi, Kavya Arun; Kumar, Sunil; Wang, Chin-Tsan	Multiwall Carbon Nanotubes Coated Graphite-Felt Anode for Efficient Removal of Ciprofloxacin from Domestic Wastewater in Dual-Chambered Microbial Fuel Cells	JOURNAL OF ENVIRONMENTAL ENGINEERING	148	6			4022022	2022	2.479
172	WRD	Cui, Guangyu; Fu, Xiaoyong; Bhat, Sartaj Ahmad; Tian, Weiping; Lei, Xuyang; Wei, Yongfen; Li, Fusheng	Temperature impacts fate of antibiotic resistance genes during vermicomposting of domestic excess activated sludge	ENVIRONMENTAL RESEARCH	207				112654	2022	8.431

173	WRD	Singh, Asha Lata; Chaudhary, Sneha; Kumar, Sunil; Kumar, Aniruddha; Singh, Achuit; Yadav, Akhilesh	Biodegradation of Reactive Yellow-145 azo dye using bacterial consortium: A deterministic analysis based on degradable Metabolite, phytotoxicity and genotoxicity study	CHEMOSPHERE	300				134504	2022	8.943
174	WRD	Mandpe, Ashootosh; Bhattacharya, Ayushman; Paliya, Sonam; Pratap, Vinay; Hussain, Athar; Kumar, Sunil	Life-cycle assessment approach for municipal solid waste management system of Delhi city	ENVIRONMENTAL RESEARCH	212				113424	2022	8.431
175	WRD	Chandrasekhar, K.; Raj, Tirath; Ramanaiah, S., V; Kumar, Gopalakrishnan; Banu, J. Rajesh; Varjani, Sunita; Sharma, Pooja; Pandey, Ashok; Kumar, Sunil; Kim, Sang-Hyoun	Algae biorefinery: A promising approach to promote microalgae industry and waste utilization	JOURNAL OF BIOTECHNOLOGY	345		1	16		2022	3.595

176	WRD	Nalo, Takum; Paliya, Sonam; Mandpe, Ashootosh; Rich, Nabam; Bharti, Ajay; Kumar, Sunil	Co-digestion of municipal solid waste with lignocellulosic waste in mesophilic Environment	CHEMOSPHERE	295				133852	2022	8.943
177	WRD	Sharma, Tanvi; Xia, Changlei; Sharma, Abhishek; Raizada, Pankaj; Singh, Pradeep; Sharma, Swati; Sharma, Pooja; Kumar, Sunil; Lam, SuShiung; Nadda, Ashok Kumar	Mechano-chemical and biological energetics of immobilized enzymes onto functionalized polymers and their applications	BIOENGINEERED	13	4	10518	10539		2022	6.832

178	WRD	Kumar, Vineet; Ameen, Fuad; Islam, M. Amirul; Agrawal, Sakshi; Motghare, Ankit; Dey, Abhijit; Shah, Maulin P.; Pine Americo-Pinheiro, Juliana Heloisa; Singh, Simranjeet; Ramamurthy, Praveen C.	Evaluation of cytotoxicity and genotoxicity effects of refractory pollutants of untreated and biomethanated distillery effluent using Allium cepa	ENVIRONMENTAL POLLUTION	300				118975	2022	9.988

179	WRD	Awasthi, Mukesh Kumar; Singh, Ekta; Binod, Parameswaran; Sindhu, Raveendran; Sarsaiya, Surendra; Kumar, Aman; Chen, Hongyu; Duan, Yumin; Pandey, Ashok; Kumar, Sunil; Taherzadeh, Mohammad J.; Li, Ji; Zhang, Zengqiang	Biotechnological strategies for bio-transforming biosolid into resources toward circular bio-economy: A review	RENEWABLE & SUSTAINABLE ENERGY REVIEWS	156				111987	2022	16.8

180	WRD	Anh Tuan Hoang; Kumar, Sunil; Lichtfouse, Eric; Cheng, Chin Kui; Varma, Rajender S.; Senthilkumar, N.; Phuoc Quy Phong Nguyen; Xuan Phuong Nguyen	Remediation of heavy metal polluted waters using activated carbon from lignocellulosic biomass: An update of recent trends	CHEMOSPHERE	302				134825	2022	8.943

181	WRD	Awasthi, Sanjeev Kumar; Kumar, Manish; Sarsaiya, Surendra; Ahluwalia, Vivek; Chen, Hongyu; Kaur, Guneet; Sirohi, Ranjna; Sindhu, Raveendran; Binod, Parameswaran; Pandey, Ashok; Rathour, Rashmi; Kumar, Sunil; Singh, Lal; Zhang, Zengqiang;	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	341				130862	2022	11.07
182	WRD	Khapre, A; Khan, SA; Kumar, S	A laboratory-scale phytocover system for municipal solid waste landfills	ENVIRONMENTAL TECHNOLOGY	43	24	3670	3681		2022	3.475
183	WRD	Gujjala, LKS; Dutta, D; Sharma, P; Kundu, D; Vo, DVN; Kumar, S	A state-of-the-art review on microbial desalination cells	CHEMOSPHERE	288				132386	2022	8.942

184	WRD	Bolan, N; Kumar, M; Singh, E; Kumar, A; Singh, L; Kumar, S;	Antimony contamination and its risk management in complex environmental settings: A review	ENVIRONMENT INTERNATIONAL	158				106908	2022	13.35
185	WRD	Paliya, S; Mandpe, A; Kumar, MS; Kumar, S; Kumar, R	Assessment of polybrominated diphenyl ether contamination and associated human exposure risk at municipal waste dumping sites	ENVIRONMENTAL GEOCHEMISTRY AND HEALTH	44	12	4437	4453		2022	4.898
186	WRD	Kumar, A; Singh, E; Mishra, R; Kumar, S	Biochar as environmental armour and its diverse role towards protecting soil, water and air	SCIENCE OF THE TOTAL ENVIRONMENT	806				150444	2022	10.75
187	WRD	Pham, CQ; Bahari, MB; Kumar, PS; Ahmed, SF; Xiao, LL; Kumar, S; Qazaq, AS; Siang, TJ; Tran, HT; Islam, A; Al-Gheethi, A; Vasseghian, Y; Vo, DVN	Carbon dioxide methanation on heterogeneous catalysts: a review	ENVIRONMENTAL CHEMISTRY LETTERS	20	6	3613	3630		2022	13.62

188	WRD	Zhou, YW; Kumar, M; Sarsaiya, S; Sirohi, R; Awasthi, SK; Sindhu, R; Binod, P; Pandey, A; Bolan, NS; Zhang, ZQ; Singh, L; Kumar, S; Awasthi, MK	Challenges and opportunities in bioremediation of micro-nano plastics: A review	SCIENCE OF THE TOTAL ENVIRONMENT	802				149823	2022	10.75
189	WRD	Chavan, D; Lakshmikanthan, P; Manjunatha, GS; Singh, D; Khati, S; Arya, S; Tardio, J; Eshtiaghi, N; Mandal, P; Kumar, S; Kumar, R	Determination of risk of spontaneous waste ignition and leachate quality for open municipal solid waste dumpsite	WASTE MANAGEMENT	154		272	282		2022	8.816

190	WRD	Rena; Yadav, S; Patel, S; Killedar, DJ; Kumar, S; Kumar, R	Eco-innovations and sustainability in solid waste management: An indian upfront in technological, organizational, start-ups and financial framework	JOURNAL OF ENVIRONMENTAL MANAGEMENT	302				113953	2022	8.91
191	WRD	Dutta, D; Arya, S; Kumar, S; Lichtfouse, E	Electronic waste pollution and the COVID-19 pandemic	ENVIRONMENTAL CHEMISTRY LETTERS	20	2	971	974		2022	13.62
192	WRD	Sharma, P; Gujjala, LKS; Varjani, S; Kumar, S	Emerging microalgae-based technologies in biorefinery and risk assessment issues: Bioeconomy for sustainable development	SCIENCE OF THE TOTAL ENVIRONMENT	813				152417	2022	10.75
193	WRD	Karim, AA; Kumar, M; Singh, E; Kumar, A; Kumar, S; Ray, A; Dhal, NK	Enrichment of primary macronutrients in biochar for sustainable agriculture: A review	CRITICAL REVIEWS IN ENVIRONMENTAL SCIENCE AND TECHNOLOGY	52	9	1449	1490		2022	11.75
194	WRD	Kim, D; Jo, IS; Kang, BJ; Lee, BD; Kumar, S; Kim, SH; Yoon, JJ	Evaluation of bio-hydrogen production using rice straw hydrolysate extracted by acid and alkali hydrolysis	INTERNATIONAL JOURNAL OF HYDROGEN ENERGY	47	88	37385	37393		2022	7.139

195	WRD	Dwivedi, KA; Huang, SJ; Wang, CT; Kumar, S	Fundamental understanding of microbial fuel cell technology: Recent development and challenges	CHEMOSPHERE	288				132446	2022	8.943
196	WRD	Hoang, AT; Nizetic, S; Ng, KH; Papadopoulos,	Microbial fuel cells for bioelectricity production from waste as sustainable prospect of	CHEMOSPHERE	287				132285	2022	8.943
197	WRD	Gautam, P; Kumar, S	Reduction of chemical oxygen demand through electrocoagulation: an exclusive study for hazardous waste landfill leachate	ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH	29	5	7583	7594		2022	5.19
198	WRD	Singh, E; Kumar, A; Mishra, R; Kumar, S	Solid waste management during COVID-19 pandemic: Recovery techniques and responses	CHEMOSPHERE	288				132451	2022	8.943
199	WRD	Gautam, P; Kumar, S; Vishwakarma, S; Gautam, A	Synergistic optimization of electrocoagulation process parameters using response surface methodology for treatment of hazardous waste landfill leachate	CHEMOSPHERE	290				133255	2022	8.943

200	WRD	Rena; Machhirake, NP; Yadav, S; Krishna, V; Kumar, S	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	287				132416	2022	8..943
201	WRD	Kumar, AN; Sarkar, O; Chandrasekhar, K; Raj, T; Narisetty, V; Mohan, SV; Pandey, A; Varjani, S; Kumar, S; Sharma, P; Jeon, BH; Jang, M; Kim, SH	Upgrading the value of anaerobic fermentation via renewable chemicals production: A sustainable integration for circular bioeconomy	SCIENCE OF THE TOTAL ENVIRONMENT	806				150312	2022	10.75
202	WRD	Kundu, D; Dutta, D; Samanta, P; Dey, S; Sherpa, KC; Kumar, S; Dubey, BK	Valorization of wastewater: A paradigm shift towards circular bioeconomy and sustainability	SCIENCE OF THE TOTAL ENVIRONMENT	848				157709	2022	10.75

203	WRD	Dhanker, R; Kumar, R; Tiwari, A; Kumar, V	Diatoms as a biotechnological resource for the sustainable biofuel production: a state-of-the-art review	BIOTECHNOLOGY AND GENETIC ENGINEERING REVIEWS	38	1	111	131		2022	4.2
204	WRD	Dutta, D; Goel, S; Kumar, S	Health risk assessment for exposure to heavy metals in soils in and around E-waste dumping site	JOURNAL OF ENVIRONMENTAL CHEMICAL ENGINEERING	10	2			107269	2022	7.968
205	WRD	Priya, A; Hathi, Z; Kumar, S; Kumar, A; Singh, E; Lin, CSK	Effect of levulinic acid on production of polyhydroxyalkanoates from food waste by Haloferax mediterranei	ENVIRONMENTAL RESEARCH	214				114001	2022	8.431
206	WRD	Samanta, P; Dey, S; Kundu, D; Dutta, D; Jambulkar, R; Mishra, R; Ghosh, AR; Kumar, S	An insight on sampling, identification, quantification and characteristics of microplastics in solid wastes	TRENDS IN ENVIRONMENTAL ANALYTICAL CHEMISTRY	36				e00181	2022	13.62
207	WRD	Vishwakarma, S; Kumar, V; Arya, S; Tembhare, M; Dutta, D; Kumar, S; Kumar, S	E-waste in Information and Communication Technology Sector: Existing scenario, management schemes and initiatives	ENVIRONMENTAL TECHNOLOGY & INNOVATION	27				102797	2022	7.758

208	WRD APC	Wankhede, U; Hippargi, G; Junghare, S; Middey, A; Kumar, R; Rayalu, S	Glazing of the fireworks: Functional coating materials for enhancing the shelf life and reducing emissions	ENVIRONMENTAL TECHNOLOGY & INNOVATION	28				102926	2022	7.758
209	WRD APC	Dhote, L; Chavan, D; Pandey, R; Manwatkar, P; Middey, A; Kumar, S	Experimental investigation on utilization of distillery sludge mixed with coal as a Low-grade fuel in brick kiln industry and product analysis	FUEL	324				124467	2022	8.035
210	WRD WTMD	Chavan, Digambar; Manjunatha, G. S.; Singh, Deval; Periyaswami, Lakshmikanthan; Kumar, Sunil; Kumar, Rakesh	Estimation of spontaneous waste ignition time for prevention and control of landfill fire	WASTE MANAGEMENT	139		258	268		2022	8.816
211	WTMD	Santhanam, Harini; Dhyani, Shalini; Kundu, Sudip Kumar	Ecosystem-based approaches to develop a monitoring framework for restoring the transitional lagoon ecosystem of Pulicat, India	ECOLOGICAL ENGINEERING	179				106608	2022	4.379

212	WTMD	Yadav, Pratibha; Yadav, Anshul; Labhasetwar, Pawan Kumar	Sustainable adsorptive removal of antibiotics from aqueous streams using Fe3O4-functionalized MIL101(Fe) chitosan composite beads	ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH	29	25	37204	37217		2022	5.19
213	WTMD	Shende, Akshay D.; Dhenkula, Swati; Rao, Neti Nageswara; Pophali, Girish R.	An improved primary wastewater treatment system for a slaughterhouse industry: a full-scale experience	WATER SCIENCE AND TECHNOLOGY	85	5	1688	1700		2022	2.43
214	WTMD	Janipella, Ramesh; Pujari, Paras R.	Review on Groundwater Flow and Solute Transport Modelling in India: Recent Advances and Future Directions	JOURNAL OF THE GEOLOGICAL SOCIETY OF INDIA	98	2	278	284		2022	1.466
215	WTMD	Yadav, Anshul; Patel, Raj Vardhan; Vyas, Bipin G.; Labhasetwar, Pawan Kumar; Shahi, Vinod Kumar	Recovery of CaSO4 and NaCl from sub-soil brine using CNT@MOF5 incorporated poly(vinylidene fluoride-hexafluoropropylene) membranes via vacuum-assisted distillation	COLLOIDS AND SURFACES A-PHYSICOCHEMICAL AND ENGINEERING ASPECTS	645				128918	2022	5.518

216	WTMD	Thomas, Boving; Vinka, Craver; Pawan, Labhaset war; David, Sabatini	Sustainable groundwater treatment technologies for underserved rural communities in emerging economies	SCIENCE OF THE TOTAL ENVIRONME NT	813				152633	2022	10.75
217	WTMD	Dhyani, Shalini; Bhaskar, Dhanya; Santhana m, Harini; Murthy, Indu K.	Post-pandemic recovery through landscape restoration	RESTORATIO N ECOLOGY	30	5			e13617	2022	4.181
218	WTMD	Yadav, Anshul; Singh, Chandra Prakash; Patel, Raj Vardhan; Labhaset war, Pawan Kumar; Shahi, Vinod Kumar	Computational fluid dynamics based numerical simulations of heat transfer, fluid flow and mass transfer in vacuum membrane distillation process	WATER SUPPLY	22	7	6262	6280		2022	1.768
219	WTMD	Peerzada , Ishtiyak Ahmad; Islam, Mohamm ad A.; Chamberl ain, James; Dhyani, Shalini; Reddy, Mohan; Saha, Somidh	Potential of NTFP Based Bioeconomy in Livelihood Security and Income Inequality Mitigation in Kashmir Himalayas	SUSTAINABIL ITY	14	4			2281	2022	3.889

220	WTMD	Vyas, BG; Labhasetwar, PK; Yadav, A; Paital, AR	A compendium of evaporation techniques for salt production from seawater and sub-soil brine	CHEMICAL PAPERS	76	11	6659	6674		2022	2.146
221	WTMD	Sonkamble, S; Chandra, S; Pujari, PR	Application of airborne and ground geophysics to unravel the hydrogeological complexity of the Deccan basalts in central India	HYDROGEOLOGY JOURNAL	30	7	2097	2116		2022	3.151
222	WTMD	Singh, S; Dhyani, S; Janipella, R; Chakraborty, S; Pujari, PR; Shinde, VM; Singh, K	Biomonitoring-Supported Land Restoration to Reduce Land Degradation in Intensively Mined Areas of India	SUSTAINABILITY	14	20			13639	2022	3.889
223	WTMD	Bimrah, K; Dasgupta, R; Hashimoto, S; Saizen, I; Dhyani, S	Ecosystem Services of Mangroves: A Systematic Review and Synthesis of Contemporary Scientific Literature	SUSTAINABILITY	14	19			12051	2022	3.889

224	WTMD	Maldhure, A; Khadse, G; Labhasewar, P	Effect of clariflocculator and pulsator based sedimentation technology and poly-aluminium chloride coagulant type on the efficiency of the water treatment plant	WATER SUPPLY	22	3	2793	2802		2022	1.768
225	WTMD	Yadav, A; Patel, RV; Singh, CP; Labhasetwar, PK; Shahi, VK	Experimental study and numerical optimization for removal of methyl orange using polytetrafluoroethylene membranes in vacuum membrane distillation process	COLLOIDS AND SURFACES A-PHYSICOCHEMICAL AND ENGINEERING ASPECTS	635				128070	2022	5.518
226	WTMD	Balwant, P; Pujari, PR; Dhyani, S; Bramhanwade, K; Jyothi, V	Geophysical Methods for Assessing Microbial Processes in Soil: A Critical Review	INDIAN JOURNAL OF PURE & APPLIED PHYSICS	60	8	707	715		2022	0.846
227	WTMD	Shukla, J; Dhyani, S; Pujari, P; Mishra, A; Verma, P	Impact of agriculture intensification on forest degradation and tree carbon stock; promoting multi-criteria optimization for restoration in Central India	LAND DEGRADATION & DEVELOPMENT	33	16	3103	3117		2022	4.377

228	WTMD	Yadav, A; Singh, CP; Patel, RV; Kumar, A; Labhasetwar, PK	Investigations on the effect of spacer in direct contact and air gap membrane distillation using computational fluid dynamics	COLLOIDS AND SURFACES A-PHYSICOCHEMICAL AND ENGINEERING ASPECTS	654				130111	2022	5.518
229	WTMD	Yadav, A; Labhasetwar, PK; Shahi, VK	Membrane distillation crystallization technology for zero liquid discharge and resource recovery: Opportunities, challenges and futuristic perspectives	SCIENCE OF THE TOTAL ENVIRONMENT	806				150692	2022	10.75
230	WTMD	Maldhure, A; Waghela, A; Nagarnaik, P; Khadse, G; Labhasetwar, P	Microwave treated activated carbon from industrial waste lignin for denitrification of surface water	INTERNATIONAL JOURNAL OF ENVIRONMENTAL SCIENCE AND TECHNOLOGY	19	6	4987	4996		2022	3.519
231	WTMD	Dasgupta, R; Hashimoto, S; Basu, M; Okuro, T; Johnson, BA; Kumar, P; Dhyani, S	Spatial characterization of non-material values across multiple coastal production landscapes in the Indian Sundarban delta	SUSTAINABILITY SCIENCE	17	3	725	738		2022	7.196

232	WTMD	Sughosh, P; Lakshmikanthan, P; Babui, GLS	Stabilization of mechanically biologically treated waste in anaerobic, aerobic and semi-aerobic bioreactors	WASTE MANAGEMENT & RESEARCH	40	7	1054	1068	0734242X21104813 1	2022	4.432
233	WTMD	Balwant, P; Jyothi, V; Pujari, PR; Dhyani, S; Verma, P; Padmakar, C; Quamar, R; Ramesh, J; Khare, S; Mitkari, M	Tree root imaging by electrical resistivity tomography: geophysical tools to improve understanding of deep root structure and rhizospheric processes	TROPICAL ECOLOGY	63	2	319	324		2022	1.333
234	WTMD	Dasgupta, R; Basu, M; Dhyani, S; Kumar, P; Hashimoto, S; Mitra, BK	Understanding Jhum (shifting cultivation) farmers' place-attachment and ecocentric attitude: Towards a place-based approach for sustainable mountain agriculture in Nagaland, India	LAND DEGRADATION & DEVELOPMENT	33	18	3761	3772		2022	4.377
235	WTMD	Gajera, R; Patel, RV; Yadav, A; Labhasetwar, PK	Adsorption of cationic and anionic dyes on photocatalytic flyash/TiO2 modified chitosan biopolymer composite	JOURNAL OF WATER PROCESS ENGINEERING	49				102993	2022	7.34

236	WWTD	Saha, Shaswati; Gupta, Rohan; Sethi, Shradhanjali; Biswas, Rima	Enhancing the efficiency of nitrogen removing bacterial population to a wide range of C:N ratio (1.5:1 to 14:1) for simultaneous C & N removal	FRONTIERS OF ENVIRONMENTAL SCIENCE & ENGINEERING	16	8			101	2022	6.048
237	WWTD	Shukla, Amol; Prakash, Om; Biswas, Rima; Vijay, Ritesh; Pal, Sukdeb	Design and preliminary techno-economic assessment of a pilot scale pharmaceutical wastewater treatment system for ammonia removal and recovery of fertilizer	JOURNAL OF ENVIRONMENTAL MANAGEMENT	321				115898	2022	8.91
238	WWTD	Arora, Jayati; Ranjan, Anuj; Chauhan, Abhishek ; Biswas	Surfactant pollution, an emerging threat to ecosystem: Approaches for effective bacterial	JOURNAL OF APPLIED MICROBIOLOGY	133	3	1229	1244		2022	4.059
239	WWTD	Shukla, A; Parde, D; Gupta, V; Vijay, R; Kumar, R	A review on effective design processes of constructed wetlands	INTERNATIONAL JOURNAL OF ENVIRONMENTAL SCIENCE AND TECHNOLOGY	19	12	12749	12774		2022	3.519
240	WWTD	Laxmi, V; Thakre, C; Vijay, R	Evaluation of noise barriers based on geometries and materials: a review	ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH	29	2	1729	1745		2022	5.19
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