

CSIR-NEERI SCI PUBLICATIONS PUBLISHED IN THE YEAR 2018 (JAN.- DEC.)						
Sr. No.	Division	Author(S) Name	Title	Journal Name	Vol., Issue & Pages	IF 2017
1	AID	Lokhande, S. K.; Pathak, S. S.; Kokate, P. A.; Dhawale, S. A.; Bodhe, G. L.	Assessment of Heterogeneous Road Traffic Noise in Nagpur	<i>Archives of Acoustics</i>	43 (1), 113-121	0.917
2	AID	Lokhande, S. K.; Jain, M. C.; Dhawale, S. A.; Gautam, R.; Bodhe, G. L.	Realizing modeling and mapping tools to study the upsurge of noise pollution as a result of open-cast mining and transportation activities	<i>Noise & Health</i>	20(93), 60-67	1.842
3	APC KZC DIR MZC	Bhanarkar, A. D.; Purohit, P.; Rafaj, P.; Amann, M; Bertok, I.; Cofala, J.; Rao, P. S.; Vaedhan, B. H.; Kiesewetter, G.; Sander, R.; Schopp, W.; Majumdar, D.; Srivastava, A.; Deshmukh, S.; Kawarti, A.; Kumar, R.	Managing future air quality in megacities: Co-benefit assessment for Delhi	<i>Atmospheric Environment</i>	186, 158-177	3.708
4	CTMD	Pande, J. V.; Bindwal, A. B.; Pakade, Y. B.; Biniwale, R. B.	Application of microwave synthesized Ag-Rh nanoparticles in cyclohexane dehydrogenation for enhanced H ₂ delivery	<i>International Journal of Hydrogen Energy</i>	43(15), 7411-7423	4.229
5	CTMD	Bano, S.; Siluvai Antony, P.; Jangde, V.; Biniwale, R. B.	Hydrogen transportation using liquid organic hydrides: A comprehensive life cycle assessment	<i>Journal of Cleaner Production</i>	183, 988-997	5.651
6	CTMD DRC MZC AID	Sharma, A.; Vijay, R.; Bodhe, G. L.; Malik, L. G.	An adaptive neuro-fuzzy interface system model for traffic classification and noise prediction	<i>Soft Computing</i>	22(6), 1891-1902	2.367
7	CZC	Thue. P. S.; Sophia, A. C.; Lima, E. C.; Wamba. A. G. N; De Alencar, W. S.; Dos Reis, G. S.; Rodembusch, F. S.; Dias, S. L. P.	Synthesis and characterization of a novel organic - inorganic hybrid clay adsorbent for the removal of acid red 1 and acid green 25 from aqueous solutions	<i>Journal of Cleaner Production</i>	171, 30-40	5.651

8	CZC	Aarthy, M.; Puhazhselvan, P.; Aparna, R.; George, A. S.; Gowthaman, M. K.; Ayyadurai, N.; Masaki, K.; Nakajima-Kambe, T.; Kamini, N. R.	Growth associated degradation of aliphatic-aromatic copolyesters by <i>Cryptococcus</i> sp. MTCC 5455	<i>Polymer Degradation and Stability</i>	152, 20-28	3.193
9	CZC	Janeena J., A.; Ilamaram, M.; George, A.; George, S. A.; Raghvan S. S.; Lakshmi P. S.; Aarthy, M.; Kamini, N. R.; Gunasekaran, K.; Ayyadurai, N.	Biomimetic strategies to design metallic proteins for detoxification of hazardous heavy metal	<i>Journal of Hazardous Materials</i>	358, 92-100	6.434
10	CZC	Ramakrishnan, D.; Tiwari, M. K.; Manoharan, G.; Sairam, T.; Thangamani, R.; Lee, J.-K.; Marimuthu, J.	Molecular characterization of two alkylresorcylic acid synthases from Sordariomycetes fungi	<i>Enzyme and Microbial Technology</i>	115, 16-22	2.932
11	CZC	Sophiya, A. C.; Lima, E. C.	Removal of emerging contaminants from the environment by adsorption	<i>Ecotoxicology and Environmental Safety</i>	150, 1-17	3.974
12	CZC SHWMD	Sophiya, A. C.; Bhalambaal, V. M.; Kumar, S.	Effect of biochar on bioelectrochemical dye degradation and energy production	<i>Bioresource Technology</i>	251, 165-170	5.807
13	DIR MZC	Padalkar, A. V.; Kumar, R	Removal mechanisms of volatile organic compounds (VOCs) from effluent of common effluent treatment plant (CETP)	<i>Chemosphere</i>	199, 569-584	4.427
14	DIR MZC	Mishra, H.; Karmakar, S.; Kumar, R.; Kadambala, P.	A long -term comparative assessment of human health risk to leachate- contaminated groundwater from heavy metal with different liner systems	<i>Environmental Science and Pollution Research</i>	25(3), 2911-2923	2.8
15	DIR MZC	Padalkar, A. V.; Kumar, R.	Common effluent treatment plant (CETP):Reliability analysis and performance evaluation	<i>Water Science and Engineering</i>	11(3), 205-2013	0.883
16	DRC	Bafana, R.; Pandey, R. A.	New approaches for itaconic acid production: bottlenecks and possible remedies	<i>Critical Reviews in Biotechnology</i>	38(1), 68-82	5.239

17	DRC EISD HTC	Tarale, P.; Daiwile, A. P.; Sivanesan, S.; Stoger, R.; Bafana, A.; Naogharer, P. K.; Parmar, D.; Chakrabarti, T.; Krishnamurthi, K.	Manganese exposure: Linking down -regulation of miRNA-7 and miRNA-433 with alpha-synuclein overexpression and risk of idiopathic Parkinsons disease.	<i>Toxicology In Vitro</i>	46, 94-101	3.105
18	DRC CTMD DIR MZC	Dey, J; Sakhre, S; Gupta, V; Vijay, R; Pathak, S; Biniwale, R.; Kumar, R.	Geospatial assessment of tourism impact on land environment of Dehradun, Uttarakhand , India	<i>Environmental Monitoring and Assessment</i>	190(4), 181	1.804
19	DZC	Gulia, S.; Mittal, A.; Khare, M.	Quantitative evaluation of source interventions for urban air quality improvement - A case study of Delhi city	<i>Atmospheric Pollution Research</i>	9(3), 577-583	2.152
20	DZC	Bano, S.; Pervez, S.; Chow, J. C.; Matawle, J. L.; Watson, J. G.; Sahu, R. K.; Srivastawa, A.; Tiwari, S.; Pervez, Y. F.; Deb, M. K.	Coarse particle (PM10-205) source profiles for emissions from domestic cooking and industrial process in Central India	<i>Science of the Total Environment</i>	627, 1137-1145	4.61
21	DZC	Khan, M.; Khan, S. T.; Khan, N. A.; Mahmood, A.; Al- Kedhairi, A. A.; Alkhathlan, H. Z.	The composition of the essential oil and aqueous distillate of Origanum vulgare L. growing in Saudi Arabia and evaluation of their antibacterial activity	<i>Arabian Journal of Chemistry</i>	11(8), 1189-1200	2.969
22	EBGD	Purohit, H. J.	Gut-Bioreactor and Human Health in Future	<i>Indian Journal of Microbiology</i>	58(1), 3-7	1.31
23	EBGD	Fuke, P.; Gujar, V. V.;; Khardenavis, A. A.	Genome Annotation and Validation of Keratin-Hydrolyzing Proteolytic Enzymes from <i>Serratia marcescens</i> EGD-HP 20	<i>Applied Biochemistry and Biotechnology</i>	184(3), 970-986	1.797
24	EBGD	Parmar, K.; Dafale, N.; Pal, R.; Tikariha, H.; Purohit, H. J.	An Insight into Diversity at Environmental Habitats using Comparative Metagenomics Approach	<i>Current Microbiology</i>	75(2), 132-141	1.373
25	EBGD	Pawar, S. B.	Computational fluid dynamics (CFD) analysis of airlif bioreactor : effect of draft tube configuration on hydrodynamics, cell suspension, and shear rate	<i>Bioprocess and Biosystems Engineering</i>	41(1), 31-45	2.139

26	EBGD	Pulavarty, A.; Sarangi, B. K.	Screening bamboo species for salt tolerance using growth parameters , physiological response and osmolytes accumulation as effective indicators.	<i>Chemistry and Ecology</i>	34(4), 340-354	1.091
27	EBGD	Gujar, N.; Fuke, P.; Khardenavis, A. A.; Purohit, H. J.	Annotation and De Novo Sequence Characterization of Extracellular B-Fructofranosidase from <i>Penicillium chrysogenum</i> Strain HKF42	<i>Indian Journal of Microbiology</i>	58(2), 227-233	1.31
28	EBGD	Gupta, S.; Pawar, S. B.	Mixotrophic cultivation of microalga to enhance the quality of lipid for biodiestion of cow dung mixed with food waste.	<i>Bioprocess and Biosystems Engineering</i>	41(4), 531-542	2.139
29	EBGD	Bhat, S. A.; Singh, S.; Singh, J.; Bhawana, Vig, A. P.	Bioremediation and detoxification of industrial wastes by earthworms : Vermicompost as powerful crop nutrient in sustainable agriculture	<i>Bioresource Technology</i>	252, 172-179	5.807
30	EBGD	Paotdukhe, R. M.; Bedi, P.; Sarangi, B. K. ; Pandey, R. A.; Purohit, H. J.; Thul, S. T.	Root transcripts associated with arsenic accumulation in hyperaccumulator <i>Pteris vittata</i>	<i>Journal of Biosciences</i>	43(1), 105-115	1.528
31	EBGD	Gujar, V. V.; Fuke, P.; Khardenavis, A. A.; Purohit, H. J.	Draft genome sequence of <i>Penicillium chrysogenum</i> strain HKF2, a fungus with potential for production of prebiotic synthesizing enzymes	<i>3Biotech</i>	8(2), 106	1.497
32	EBGD	Dwivedi, K.; Rudrashetti, A. P.; Chakrabarti, T.; Pandey, R. A.	Transformation Products of Carbamazepine (CBZ) After Ozonation and their Toxicity Evaluation Using <i>Pseudomonas</i> sp. Strain KSH-1 in Aqueous Matrices	<i>Indian Journal of Microbiology</i>	58(2), 190-200	1.31
33	EBGD	Adejumo, S. A.; Tiwari, S.; Shinde, V.; Sarangi, B. K.	Heavy metal (Pb) accumulation in metallophytes as influenced by the variations in rhizospheric and non-rhizospheric soils physico-chemical characteristics	<i>International Journal of Phytoremediation</i>	20(3), 237-248	1.886
34	EBGD	Parmar, K. M.; Dafale, N. A.; Tikariha, H.; Purohit, H. J.	Genomic characterization of key bacteriophages to formulate the potential biocontrol agent to combat enteric pathogenic bacteria	<i>Archives of Microbiology</i>	200 (4), 611-622	1.607

35	EBGD	Yadav, S.; Kumar, A.; Gupta, M.; Maitra, S. S.	Cross-Reactivity of Prokaryotic 16S rDNA-Specific Primers to Eukaryotic DNA: Mistaken Microbial Community Profiling in Environmental Samples	<i>Current Microbiology</i>	75(8), 1038-1045	1.373
36	EBGD	Talkal, R.; Tikariha, H.; Purohit, H. J.	An Approach to In Silico Dissection of Bacterial Intelligence Through Selective Genomic Tools	<i>Indian Journal of Microbiology</i>	58(3), 278-286	1.31
37	EBGD	Purohit, H. J.; Deopujari, J.	Gyt: A key mediating centre for the ageing process	<i>Current Science</i>	114(11), 2231-2233	0.883
38	EBGD	Dhote, M.; Kumar, A.; Jajoo, A.; Juwarkar, A.	Study of microbial diversity in plant-microbe interaction system with oil sludge contamination	<i>International Journal of Phytoremediation</i>	20(8), pp. 789-795	1.886
39	EBGD	Bohra, V. ; Dafale, N. A.; Purohit, H. J.	Paenibacillus polymyxa ND25: candidate genome for lignocellulosic biomass utilization	<i>3 Biotech</i>	art. no. 248, 8(5)	1.497
40	EBGD	Fuke, P.; Pal, R. R.; Khardenavis, A. A.; Purohit, H. J.	In silico characterization of broad range proteases produced by <i>Serratia marcescens</i> EGD-HP20	<i>Journal of Basic Microbiology</i>	58 (6):492-500	1.58
41	EBGD	Bohra, V.; Tikariha, H.; Dafale, N. A.	Genomically Defined Paenibacillus polymyxa ND24 for Efficient Cellulase Production Utilizing Sugarcane Bagasse as a Substrate	<i>Applied Biochemistry and Biotechnology</i>	187(1), 266-281	1.797
42	EBGD	Sharma, J. K. ; Gautam, R. K. ; Nanekar, S. V. ; Weber, R. ; Singh, B. K. ; Singh, S. K.; Juwarkar, A. A.	Advances and perspective in bioremediation of polychlorinated biphenyl-contaminated soils	<i>Environmental Science and Pollution Research</i>	25 (17), 16355-16375	2.8
43	EBGD	Tikariha, H.; Khardenavis, A. A.; Purohit, H. J.	Dissolved oxygen-mediated enrichment of quorum-sensing phenomenon in the bacterial community to combat oxidative stress	<i>Archives of Microbiology</i>	200 (9):1371-1379	1.607
44	EBGD	Pal, S.; Qureshi, A.; Purohit, H. J.	Intercepting signalling mechanism to control environmental biofouling	<i>3 Biotech</i>	8(8), art. no. 364.	1.497
45	EBGD	Gupta, S.; Pawar, S. B.	An integrated approach for microalgae cultivation using raw and anaerobic digested wastewaters from food processing industry	<i>Bioresource Technology</i>	269, 571-576	5.807
46	EBGD	Makhijani, R. K. ; Raut, S. A. ; Purohit, H. J.	Fold change based approach for identification of significant network markers in breast, lung and prostate cancer	<i>IET Systems Biology</i>	12(5), 213-218	0.873

47	EBGD	Jha, V.; Tikariha, H.; Dafale, N. A.; Purohit, H. J.	Exploring the rearrangement of sensory intelligence in proteobacteria: insight of Pho regulon	<i>World Journal of Microbiology and Biotechnology</i>	34(11), art. no. 172	2.1
48	EBGD	Makhijani, R. K. ; Raut, S. A. ; Purohit, H. J.	Identification of common key genes in breast, lung and prostate cancer and exploration of their heterogeneous expression	<i>Oncology Letters</i>	15(2), 1680-1690	1.664
49	EBGD EMD	Kamde, K.; Pandey, R. A.; Thul, S.; Bansiwal, A.	Removal of arsenic by Acidothiobacillus ferrooxidans bacteria in bench scale fixed-bed bioreactor system	<i>Chemistry and Ecology</i>	34(9), 818-838	1.091
50	EBGD AID EMD	Kamde, K.; Pandey, R. A.; Thul, S. T.; Dahake, R.; Shinde, V. M.; Bansiwal, A.	Microbially assisted arsenic removal using Acidothiobacillus ferrooxidans mediated by iron oxidation	<i>Environmental Technology & Innovation</i>	10, 78-90	0
51	EBGD SHWMD EMD	Ishan Raj, Vaidya, A. N.; Pandey, R. A.; Bansiwal, A.; Deshmukh, S.; Purohit, H. J.	Recent advancements in the mitigation of obnoxious nitrogenous gases	<i>Journal of Environmental Management</i>	205. 319-336	4.005
52	EBGD DRC	Sahu, N; Sharma, A. ; Mishra, P. ; Chandrashekhar, B.; Sharma, G. ; Kapey, A.; Pandey, R. A.	Evaluation of biogas production potential of kitchen waste in the presence of spices	<i>Waste Management</i>	10, 236-246	4.723
53	EISD	Nidheesh, P.V.	Removal of organic pollutants by peroxicoagulation	<i>Environmental Chemistry letters</i>	16(4), 1283-1292	3.125
54	EISD	Nidheesh , P. V.; Khatri, J. ; Anantha, Sing , T. S. ; Gandhimathi, R. ; Ramesh, S. T.	Review of zero-Valent aluminium based water and wastewater treatment methods	<i>Chemosphere</i>	200, 621-631	4.427
55	EISD	Nidheesh, P. V.; Zhou, M. ; Oturam, M. A.	An overview on the removal of synthetic dyes from water by electrochemical advanced oxidation processes	<i>Chemosphere</i>	197, 210-227	4.427
56	EISD	Baiju, A. ; Gandhimathi, R. ; Ramesh, S.T. ; Nidheesh, P. V.	Combined heterogeneous Electro-fenton and biological process for the treatment of stabilized landfill leachate	<i>Journal of Environmental Management</i>	210, 328-337	4.005
57	EISD	Jinisha, R. ; Gandhimathi, R. ; Ramesh, S. T. ; Nidheesh, P. V.; Velmathi, S.	Removal of rhodamine B dye from aqueous solution by electro-Fenton process using iron-doped mesoporous silica as a heterogeneous catalyst	<i>Chemosphere</i>	200, 446-454	4.427

58	EISD	Hiwase, P. D.; Raman, N. S.; Hajare, H. V.	Critical factor of large township building and its relevance in environmental audit: a critical evaluation	<i>Environmental, Development and Sustainability</i>	20(1), 443-449	1.379
59	EISD	Kumar, A.; Nidheesh, P. V.; Suresh Kumar, M.	Composite wastewater treatment by aerated electrocoagulation and modified peroxi-coagulation processes	<i>Chemosphere</i>	205, pp. 587-593	4.427
60	EISD	Khatrri, J.; Nidheesh, P. V.; Anantha Singh, T. S.; Suresh Kumar, M.	Advanced oxidation processes based on zero-valent aluminium for treating textile wastewater	<i>Chemical Engineering Journal</i>	348, pp. 67-73	6.735
61	EISD	Sruthi, T.; Gandhimathi, R.; Ramesh, S. T.; Nidheesh, P. V.	Stabilized landfill leachate treatment using heterogeneous Fenton and electro-Fenton processes	<i>Chemosphere</i>	210, 38-43	4.427
62	EISD	Awasthi, A.; Kumari, K.; Panchal, H.; Sathyamurthy, R.	Passive solar still: recent advancements in design and related performance	<i>Environmental Technology Reviews</i>	7(1), 235-261	0
63	EISD	Rubeena, K. K.; Reddy, P. H. P.; Laiju, A. R.; Nidheesh, P. V.	Iron impregnated biochars as heterogeneous Fenton catalyst for the degradation of acid red 1 dye	Journal of Environmental Management	226 320-328;	4.005
64	EISD	Jambhulkar, H. P.; Shaikh, S. M. S.; Kumar, M. S.	Fly ash toxicity, emerging issues and possible implications for its exploitation in agriculture; Indian scenario: A review	Chemosphere	213, 333-344	4.427
65	EISD	Dutta, S.; Dwivedi, A.; Suresh Kumar, M.	Use of water quality index and multivariate statistical techniques for the assessment of spatial variations in water quality of a small river	<i>Environmental Monitoring and Assessment</i>	198, 718	1.804
66	EISD	Volobaev, V. P.; Larionov, A.V.; Kalyuzhnaya, E.E.; Serdyukova, E.S.; Yakovleva, S.; Druzhinin, V.G.; Babich, O.O.; Hill, E. G.; Semenihin, V. A.; Panev, N. I.; Minina, V. I.; Sivanesan, S. D.; Naoghare, P.; da Silva, J.; Barcelos, G. R. M.; Prosekov, A.Y.	Associations of polymorphisms in the cytokine genes IL1 beta (rs16944), IL6 (rs1800795), IL12b (rs3212227) and growth factor VEGFA (rs2010963) with anthracosilicosis in coal miners in Russia and related genotoxic effects	<i>Mutagenesis</i>	33 (2):129-135	2.84
67	EISD DRC HTC	Daiwile, A. P.; Sivanesan, S.; Tarale, P.; Naoghare, P. K.; Bafana, A.; Parmar, D.; Kannan, K.	Role of fluoride induced histine trimethylation in development of skeletal fluorosis	<i>Environmental Toxicology and Pharmacology</i>	57, 159-165	2.776

68	EISD EBGD	Pal, M.; Pal, S.; Qureshi, A.; Sangolkar, L. N.	Perspective of cyanobacterial harmful algal bloom (HAB) mitigation: Microcystis toxin degradation by bacterial consortia	<i>Indian Journal of Experimental Biology</i>	56 (7), 511-518	1.475
69	EMD	Borkar, R. ; Bhivgade, R. ; Rayalu, S.; Bansiwal, A.	Copper Oxide Nanograss for Efficient and Stable Photoelectrochemical Hydrogen Production by Water Splitting	<i>Journal of Electronic Materials</i>	47(3), 1824-1831	1.566
70	EMD	Arfin, T; Rangari, S. N.	Graphene oxide-Zno nanocomposite modified electrode for the deredction of phenol	<i>Analytical Methods</i>	10(3), 347-358	2.073
71	EMD	Kumar V. R. ; Nagababu, P.; Srinivas, G. ; Reddy, M. R. ; Rani, M.V. ; Ravi, M. ; Satyanarayana, S. ;	Investigation of DNA/BSA binding of three Ru(II) complexes by various spectroscopic methods , molecular docking and their antimicrobial activity	<i>Journal of Coordination Chemistry</i>	70(22), 3790-3809	1.703
72	EMD	Mohammad, F; Arfin, T; Al-Lohedan, HA	Synthesis, Characterization and Applications of Ethyl Cellulose-Based Polymeric Calcium(II) Hydrogen Phosphate Composite	<i>Journal of Electronic Materials</i>	47 (5), 2954-2963	1.566
73	EMD	Sharma, S. ; Singh, V. ; Anshul, A.; Siqueiros, J. M. ; Dwivedi, R. K.	Structural stability, enhanced magnetic, piezoelectric, and transport properties in (1-x)BiFeO3-x)Ba0.70Sr0.30TiO3nanoparticles	<i>Journal of Applied Physics</i>	123(20), art. no. 204102	2.176
74	EMD	Dhoble, R. M. ; Maddigapu, P. R.; Bhole, A. G. ; Rayalu, S. S.	Development of bark-based magnetic iron oxide particle (BMIOP), a bio-adsorbent for removal of arsenic (III) from water	<i>Environmental Science and Pollution Research</i>	25 (20), 19657-19674	2.8
75	EMD	Shobha Devi, C. ; Thulasiram, B. ; Aerva, R. R. ; Nagababu, P.	Recent Advances in Copper Intercalators as Anticancer Agents	<i>Journal of Fluorescence</i>	28(5), 1195-1205	1.665
76	EMD	Chilkalwar, A. A. ; Mangrulkar, P. A. ; Moinuddin, A. A. ; Penumaka, N. ; Rayalu, S. S.	<i>In-situ</i> Cl ⁻ ions formation during photocatalytic reaction of platinumized nanocomposite for hydrogen generation	<i>Solar Energy</i>	174, 1019-1025	4.374
77	EMD	Chilkalwar, A. A. ; Rayalu, S. S.	Synergistic Plasmonic and Upconversion Effect of the (Yb,Er)NYF-TiO ₂ /Au Composite for Photocatalytic Hydrogen Generation	<i>Journal of Physical Chemistry C</i>	122 (46), 26307–26314	4.848

78	EMD	Verma, S; Verma, P. K.; Meher, A. K.; Bansiwal, A. K.; Tripathi, R. D.; Chakrabarty, D.	A novel fungal arsenic methyltransferase, WaarsM reduces grain arsenic accumulation in transgenic rice (<i>Oryza sativa</i> L.)	<i>Journal of Hazardous Materials</i>	344, 626-634	6.434
79	EMD ERMD	Meher, A. K.; Labhsetwar, N.; Bansiwal, A.	An improved method for direct estimation of free cyanide in drinking water by Ion Chromatography-Pulsed Amperometry Detection (IC-PAD) on gold working electrode	<i>Food Chemistry</i>	240, 131-138	4.946
80	EMD ERMD	Hippargi, G.; Mangrulkar, P.; Chilkalwar, A.; Labhsetwar, N. K.; Rayalu, S. S.	Chloride ion: A promising hole scavenger for photocatalytic hydrogen generation	<i>International Journal of Hydrogen Energy</i>	43 (14), 6815-6823	4.229
81	EMD WWTD	Maddigpu, P. R.; Sawant, B.; Wanjari, S; Goel, M. D.; Vione, D.; Dhodapkar, R. S.;	Carbon nanoparticles for solar disinfection of water	<i>Journal of Hazardous Materials</i>	343, 157-165	6.434
82	EMD WWTD	Kaur, H.; Bansiwal, A.; Hippargi, G.; Pophali, G. R.	Effect of hydrophobicity of pharmaceuticals and personal care products for adsorption on activated carbon : Adsorption isotherms, kinetics and mechanism	<i>Environmental Science and Pollution Research</i>	25 (21), 20473-20485	2.8
83	ERMD	Saravanan, G.; Jayasree, K. P.;	Ordered intermetallic Pt-Fe nanocatalysts for carbon monoxide and benzene oxidation in sustainable agriculture	<i>Intermetallics</i>	94, 179-185	3.42
84	ERMD	Khobragade, R.;	Sulfur dioxide-tolerant strontium chromate for the catalytic oxidation of diesel particulate matter	<i>Catalysis Science and Technology</i>	8(6), 1712-1721	5.365
85	ERMD	Amrani, M. A.;	The role of synthesis method on ZnO nanoparticles: implications for zinc dissolution and arsenite adsorption in water	<i>Desalination and Water Treatment</i>	123, 138-149	1.383
86	ERMD AID	Al-Fatesh, A.;	Rh promoted and ZrO ₂ /Al ₂ O ₃ supported Ni/Co based catalysts: High activity for CO ₂ reforming, steam-CO ₂ reforming and oxy-CO ₂ reforming of CH ₄	<i>International Journal of Hydrogen Energy</i>	43(27), 12069-12080	4.229

87	ERMD EMD	Pulleri, J. K.; Yearwar, D.; Saravanan, G.; Rayalu, S. S.; Labhasetwar, N.	Effect of Morphology of Platinum Nanoparticles on Benzene Oxidation Activity	<i>Journal of Nanoscience and Nanotechnology</i>	18(1), 419- 425	1.354
88	HTC	Etchie, T. O.; Etchie, A. T.; Adewuyi, G. O.; Pillarisetti, A.; Sivanesan, S.; Krishnamurthi, K.; Arora, N. K.	The gains in life expectancy by ambient PM2.5 pollution reductions in localities in Nigeria	<i>Environmental Pollution</i>	236, 146- 157	4.358
89	HTC	Gandhi, D., Sivanesan, S., Kannan, K.	Manganese-Induced Neurotoxicity and alterations in Gene Expression in human Neuroblastoma SH-SY5Y Cells	<i>Biological Trace Element Research</i>	183(2), 245- 253	2.361
90	HTC	Prakash, K.; Naik, S. N.; Vadivel, D.; Hariprasad, P.; Gandhi, D.; Saravanadevi, S.	Utilization of defatted sesame cake in enhancing the nutritional and functional characteristics of biscuits	<i>Journal of Food Processing and Preservation</i>	Article No. e13751	1.51
91	HTC	Doiphode, P. U.; Kothekar, M. D.; Kale, D. S.; Krishnamurthi, K.; Sirothia, A. R.	DNA sequence variation in intron-1 of metallothionein gene in Zebu cattle exposed to toxic metals	Indian Journal of Biotechnology	17 (2), 211- 216	0.368
92	HTC DRC EISD	Tarale, P.; Daiwile, A. P.; Sivanesan, S.; Stöger, R.; Bafana, A.; Naoghare, P. K.; Parmar, D.; Chakrabarti, T.; Krishnamurthi, K.	Manganese exposure: Linking down-regulation of miRNA-7 and miRNA-433 with α - synuclein overexpression and risk of idiopathic Parkinson's disease	<i>Toxicology In Vitro</i>	46, 94-101	3.105
93	HTC APC	Etchie, T.O.; Sivanesan, S.; Etchie, A. T.; Adewuyi, G. O.; Krishnamurthi, K.; George, K.V.; Rao, P. S.	The burden of disease attributable to ambient PM2.5- bound PAHs exposure in Nagpur, India	<i>Chemosphere</i>	204, pp. 277- 289	4.427
94	HTC DRC EISD	Basaiyye, S. S.; Bafana, A.; Naoghare, P. K.; Krishnamurthi, K.; Saravandevi, S.	Reactive species metabolism and cytotoxicity of tribulus terrestris L. alkaloid extracts in leukemic cell line	<i>Indian Journal of Pharmaceutical Sciences</i>	80(4), 719- 726	0.738
95	HTC DRC EISD	Appa, R.; Mhaisalkar, V. A.; Bafana, A.; Saravana, S. D.; Krishnamurthi, K.; Chakrabarti, T.; Naoghare, P. K.	Simultaneous quantitative monitoring of four indicator contaminants of emerging concern (CEC) in different water sources of Central India using SPE/LC-(ESI)MS-MS	<i>Environmental Monitoring and Assessment</i>	190(8), Article No. 489	1.804

96	HZC	Rathod, M.; Moradeeya, P. G.; Haldar, S.; Basha, S.	Nanocellulose/TiO ₂ composites: preparation, characterization and application in the photocatalytic degradation of a potential endocrine disruptor, mefenamic acid, in aqueous media	<i>Photochemical and Photobiological Sciences</i>	17(10), 1301-1309	2.902
97	KZC	Bhowmick, S.; Pramanik, S.; Singh, P.; Mondal, P.; Chatterjee, D.; Nriagu, J.	Arsenic in groundwater of west Bengal India: A review of human health risks and assessment of possible intervention options	<i>Science of the Total Environment</i>	612,148-169	4.61
98	KZC	Kundu, A. K.; Majumder, S.; Biswas, A.; Bhowmick, S.; Pal, C.; Abhijit, M.; Majumder, M.; Chatterjee, D.	Optimisation of laboratory arsenic analysis for groundwaters of West Bengal, India and possible water testing strategy	<i>International Journal of Environmental Analytical Chemistry</i>	98 (5), 440-452	1.372
99	KZC	Mandal, U.; Singh, P.; Kundu, A. K.; Chatterjee, D.; Nriagu, J.; Bhowmick, S.	Arsenic retention in cooked rice: Effects of rice type, cooking water, and indigenous cooking methods in West Bengal, India	<i>Science of the Total Environment</i>	648, 720-727	4.61
100	MZC SUM	C. Vijay, R.; Chakrabarti, T.; Gupta, R.	Characterization of Traffic Noise and Honking Assessment of an Indian Urban Road	<i>Fluctuation and Noise Letters</i>	17(4), 1850031	0.625
101	OTHERS	Morone , A.; Sharma, G.; Sharma, A.; Chakrabarti, T.; Pandey, R. A.	Evaluation, application and optimization of advanced oxidation process for pretreatment of rice straw and its effect on cellulose digestibility	<i>Renewable Energy</i>	120, 88-97	4.9
102	OTHERS	Vidyasagar, D.; Ghugal, S.G.; Kulkarni, A.; Shende, A. G.; Umare, S.S.; Sasikala, R.	Microwave assisted: In situ decoration of a g-C ₃ N ₄ surface with CdCO ₃ nanoparticles for visible light driven photocatalysis	<i>New Journal of Chemistry</i>	42(8), 6322-6331	3.201
103	OTHERS	Pervez, S.; Bano, S.; Watson, J. G.; Chow, J. C.; Matawle,	Source Profiles for PM _{10-2.5} Resuspended Dust and Vehicle Exhaust Emissions in Central India	<i>Aerosol and Air Quality Research</i>	18 (7), 1660-1672	2.589
104	OTHERS	Dhoke, D. M.; Basaiyye, S. S.; Khedekar, P. B.	Development and characterization of L-HSA conjugated PLGA nanoparticle for hepatocyte targeted delivery of antiviral drug	<i>Journal of Drug Delivery Science and Technology</i>	47, 77-94	2.297
105	OTHERS	Gupta, D. K.; Tiwari, S.; Chatterjee, S.; Walther, C.	Potassium and its role in cesium transport in plants	<i>Biologia</i>	73(9), 885-896	0.696

106	Others	Morone, A.; Chakrabarti, T.; Pandey, R. A.	Effect of chemical input during wet air oxidation pretreatment of rice straw in reducing biomass recalcitrance and enhancing cellulose accessibility	<i>Korean Journal of Chemical Engineering</i>	35(12), 2403-2412	2.199
107	OTHERS	Matawle, J. L.; Pervez, S.; Deb, M. K.; Shrivastava, A.; Tiwari, S	PM2.5 pollution from household solid fuel burning practices in Central India: 2. Application of receptor models for source apportionment	<i>Environmental Geochemistry and Health</i>	40(1), 145-161	2.994
108	OTHERS	Vidyasagar, D.; Ghugal, S. G.; Kulkarni, A.; Mishra, P.; Shende, A. G.; Jagannath; Umare, S. S.; Sasikala, R.	Silver/Silver(II) oxide (Ag/AgO) loaded graphitic carbon nitride microspheres: An effective visible light active photocatalyst for degradation of acidic dyes and bacterial inactivation	<i>Applied Catalysis B-Environmental</i>	221, 339-348	11.698
109	SHWMD	Bhat, S. A.; Singh, S.; Singh, J.; Kumar, S.; Bhawana; Vig, A. P.	Bioremediation and detoxification of industrial wastes by earthworms: Vermicompost as powerful crop nutrient	<i>Bioresource Technology</i>	252, 172-179	5.807
110	SHWMD	Manyapu, V.; Mandpe, A.; Kumar, S.	Synergistic effect of fly ash in in-vessel composting of biomass and kitchen waste	<i>Bioresource Technology</i>	251, 114-120	5.807
111	SHWMD	Awasthi, S. K.; Wong, J.W.C.; Li, J.; Kumar, S.; Awasthi, M. K.	Evaluation of microbial dynamics during post-Consumption food waste composting	<i>Bioresource Technology</i>	251, 181-188	5.807
112	SHWMD	Awasthi, M. K.; Wong, J. W. C. ; Kumar, S.; Awasthi, S. K; Wang, Q.; Chen, H.;	Biodegradation of food waste using microbial cultures producing thermostable α -amylase and cellulase under different pH and temperature	<i>Bioresource Technology</i>	248 Part B, 160-170	5.807
113	SHWMD	Pearse, L.F. ; Hettiaratchi, J.P.; Kumar, S.	Towards developing a representative biochemical methane potential (BMP) assay for landfilled municipal solid waste- A review	<i>Bioresource Technology</i>	254, 312-324	5.807
114	SHWMD	Rich, N.; Bharti, A.; Kumar, S.	Effect of bulking agents and cow dung as inoculant on vegetable waste compost Quality	<i>Bioresource Technology</i>	252, 83-90	5.807
115	SHWMD	Awasthi, S. K.; Joshi, R.; Dhar, H.; Zhang, Z.; Kumar, S.	Improving methane yield and quality via co-digestion of cow dung mixed with food waste	<i>Bioresource Technology</i>	251, 259-263	5.807

116	SHWMD	Ayyappan, C. S.; Bhalambaal, V. M.; Kumar . S.	Effect of biochar on bio-electrochemical dye degradation and energy production	<i>Bioresource Technology</i>	251, 165-170	5.807
117	SHWMD	Negi, S.; Dhar, H.; Hussain, A.; Kumar, S.	Biomethanation potential for co-digestion of municipal solid waste and rice straw: A batch study	<i>Bioresource Technology</i>	254, 139-144	5.807
118	SHWMD	Breitenmoser, L.; Dhar, H.; Gross, T.; Bakre, M.; Huesch, R.; Hugi, C.; Wintgens, T.; Kumar, R.; Kumar, S.	Methane potential from municipal biowaste: Insights from six communities in Maharashtra, India.	<i>Bioresource Technology</i>	254, 224-230	5.807
119	SHWMD	Malik, S. N.; Ghosh, P. C.; Vaidya, A. N.; Mudliar, S. N.	Catalytic ozone pretreatment of complex textile effluent using Fe ²⁺ and zero valent iron nanoparticles	<i>Journal of Hazardous Materials</i>	357, 363-375	6.434
120	SHWMD	Sharma, D.; Yadav, K. D.; Kumar, S.	Role of sawdust and cow dung on compost maturity during rotary drum composting of flower waste	<i>Bioresource Technology</i>	264, pp. 285-289	5.807
121	SHWMD	Shabbir, M.; Singh, M.; Maiti, S.; Kumar, S.; Saha, S. K.	Removal enactment of organo-phosphorous pesticide using bacteria isolated from domestic sewage	<i>Bioresource Technology</i>	263, pp. 280-288	5.807
122	SHWMD	Chavan, D.; Kumar, S.	Reduction of methane emission from landfill using biocover as a biomitigation system: A review	<i>Indian Journal of Experimental Biology</i>	56 (7), 451-459	1.475
123	SHWMD	Khapre, A.; Lakshmikanthan, C.; Kumar, S.	Physicochemical analysis and isolation of microbes from groundwater nearby landfill site: A case study	<i>Indian Journal of Experimental Biology</i>	56 (7), 526-530	1.475
124	SHWMD	Kumar, S.; Negi, S.; Mandpe, A.; Singh, R.V.; Hussain, A.	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>	227, 189-199	4.005
125	SHWMD	Sharma, D.; Yadav, K. D.; Kumar, S.	Biotransformation of flower waste composting: Optimization of waste combinations using response surface methodology.	<i>Bioresource Technology</i>	270, 198-207	5.807

126	WTMD	Trent, M.; Dreibelbis, R.; Bir, A.; Tripathi, S. N.; Labhasetwar, P. K.; Nagarnaik, P.; Loo, A.; Bain, R.; Jeuland, M.; Brown, J.	Access to Household Water Quality Information Leads to Safer Water: A Cluster Randomized Controlled Trial in India	<i>Environmental Science & Technology</i>	52(9), 5319- 5329	6.653
127	WTMD	Podgorski, J. E.; Labhasetwar, P. K.; Saha, D.; Berg, M.	Prediction Modeling and Mapping of Groundwater Fluoride Contamination throughout India	<i>Environmental Science and Technology</i>	52 (17), 9889-9898	6.653
128	WTMD	Dhyani, S.; Karki, M.; Petwal, A.	Localizing SDGs in India using Nature based Solutions (NbS)	<i>Current Science</i>	115(8), 1442- 1443	0.883
129	WTMD BDU	Dhyani, S.; Lahoti, S.; Khare, S.; Pujari, P. R.; Verma, P.	Ecosystem based Disaster Risk Reduction approaches (EbDRR) as a prerequisite for inclusive urban transformation of Nagpur City, India	<i>International Journal of Disaster Risk Reduction</i>	32, 95-105	1.968
130	WTMD CTMD BDU	Dhyani, S.; Kadaveru, R.; Dhyani, D.; Verma, P.; Pujari, P. R.	Predicting impacts of climate variability on habitats of <i>Hippophae salicifolia</i> (D. Don) (Seabuckthorn) in Central Himalayas: Future challenges	<i>Ecological Informatics</i>	48, 135-146	1.82
131	WWTD	Rahangdale, D.; Kumar, A.; Archana, G.; Dhodapkar, R. S.	Ion cum molecularly dual imprinted polymer for simultaneous of cadmium and salicylic acid	<i>Journal of Molecular Recognition</i>	31(3),	1.868
132	WWTD	Saha, S.; De Vrieze, J.; Biswas, R.; Nandy, T.	In situ ammonia removal by methanogenic granular biomass	<i>Environmental Science- Water Research and Technology</i>	4(4), 559- 568	3.649
133	WWTD	Hong, S. J.; CHO, K. S.; Ahn, M. H. ; Pal, S.; Choung, P.H.; Jaipreakash, S.; Rohidas, B. A.	Targeted Delivery of siRNA Therapeutics Using Ligand Mediated Biodegradable Polymeric Nanocarriers	<i>Current Pharmaceutical Design</i>	24(16), 1788- 1800	2.757
134	WWTD	Sonoliker, R. R.; Patil, M. P.; Mankar, R. B.; Tambe, S. S.; Kulkarni, B. D.	Bubble size prediction in gas- solid fluidized beds using genetic programming	<i>Current Science</i>	115(10), 1904-1912.	5.091
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