# List of SCI Publications Published by CSIR-NEERI During 2021 (JAN-DEC)

| Sr. No. | Divisions | Authors | Title | Journal Name | Volume, Issue & Page No. | IF (2020) |
|---|---|---|---|---|---|---|
| 1 | APC | Devotta, Sukumar; Chelani, Asha; Vonsild, Asbjorn | Prediction of global warming potentials of refrigerants and related compounds from their molecular structure - An artificial neural network with group contribution method | INTERNATIONAL JOURNAL OF REFRIGERATION | 131, 756-765 | 3.629 |
| 2 | APC | Devotta, Sukumar; Chelani, Asha; Vonsild, Asbjorn | Prediction of flammability classifications of refrigerants by artificial neural network and random forest model | INTERNATIONAL JOURNAL OF REFRIGERATION | 131, 947-955 | 3.629 |
| 3 | APC HTC EISD CTMD | Wadikar, DL; Farooqui, MO; Middey, A; Bafana, A; Pakade, Y; Naoghare, P; Vanisree, AJ; Kannan, K; Sivanesan, S | Assessment of occupational exposure to diesel particulate matter through evaluation of 1-nitropyrene and 1-aminopyrene in surface coal miners, India | ENVIRONMENTAL MONITORING AND ASSESSMENT | 193(6), AN342 | 2.513 |
| 4 | APC WTMD | Shende, AD; Chelani, AB; Rao, NN; Pophali, GR | Optimal selection of zero liquid discharge (ZLD) system using analytical hierarchy process (AHP) and grey relational analysis (GRA) | ENVIRONMENT DEVELOPMENT AND SUSTAINABILITY | 23, 8506-8523 | 3.219 |
| 5 | CHWMD | Bodhankar, Prathamesh; Patnaik, Shanmukh; Kale, Ganesh R. | Thermodynamic analysis of autothermal steam-reforming of methane for ammonia production | INTERNATIONAL JOURNAL OF ENERGY RESEARCH | 45(5), 6943-6957 | 5.164 |
| 6 | CTMD | Kaur, J; Kaur, V; Pakade, YB; Katnoria, JK | A study on water quality monitoring of Buddha Nullah, Ludhiana, Punjab (India) | ENVIRONMENTAL GEOCHEMISTRY AND HEALTH | 43(7), 2699-2722 | 4.609 |
| 7 | CTMD | Parihar, JK; Parihar, PK; Pakade, YB; Katnoria, JK | Bioaccumulation potential of indigenous plants for heavy metal phytoremediation in rural areas of Shaheed Bhagat Singh Nagar, Punjab (India) | ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH | 28, 2426-2442 | 4.223 |
| 8 | CTMD | Kadaverugu, Rakesh; Purohit, Vigna; Matli, Chandrasekhar; Biniwale, Rajesh | Improving accuracy in simulation of urban wind flows by dynamic downscaling WRF with OpenFOAM | URBAN CLIMATE | 38, AN100912 | 5.731 |
| 9 | CTMD | Dhyani, Anurag; Kadaverugu, Rakesh; Nautiyal, Bhagwati Prasad; Nautiyal, Mohan Chandra | Predicting the potential distribution of a critically endangered medicinal plant Lilium polyphyllum in Indian Western Himalayan Region | REGIONAL ENVIRONMENTAL CHANGE | 21(2), AN30 | 3.678 |
| 10 | CTMD | Kadaverugu, Rakesh; Gurav, Chandrakant; Rai, Ankush; Sharma, Asheesh; Matli, Chandrasekhar; Biniwale, Rajesh | Quantification of heat mitigation by urban green spaces using InVEST model-a scenario analysis of Nagpur City, India | ARABIAN JOURNAL OF GEOSCIENCES | 14(2), AN82 | 1.827 |
| 11 | CTMD | Kadaverugu, Rakesh; Matli, Chandrasekhar; Biniwale, Rajesh | Suitability of WRF model for simulating meteorological variables in rural, semi-urban and urban environments of Central India | METEOROLOGY AND ATMOSPHERIC PHYSICS | 133(4), 1379-1393 | 2.065 |
| 12 | CTMD | Pakade, Yogesh; Pandey, Anshu; Chand, Piar | Tagetes Minuta Residue as Biosorbent for Removal of Pb(II) from Water | JOURNAL OF WATER CHEMISTY AND TECHNOLOGY | 43(5), 416-422 | 0.669 |

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| 13 | CTMD DZC | Bherwani, Hemant; Anjum, Saima; Gupta, Ankit; Singh, Anju; Kumar, Rakesh | Establishing influence of morphological aspects on microclimatic conditions through GIS-assisted mathematical modeling and field observations | ENVIRONMENT DEVELOPMENT AND SUSTAINABILITY | 23, 15817-15880 | 3.219 |
| 14 | CTMD DZC | Bherwani, H.; Gautam, S.; Gupta, A. | Qualitative and quantitative analyses of impact of COVID-19 on sustainable development goals (SDGs) in Indian subcontinent with a focus on air quality | INTERNATIONAL JOURNAL OF ENVIRONMENTAL SCIENCE AND TECHNOLOGY | 18(4), 1019-1028 | 2.86 |
| 15 | CTMD DZC PMPD | Bherwani, Hemant; Kumar, Suman; Musugu, Kavya; Nair, Moorthy; Gautam, Sneha; Gupta, Ankit; Ho, Chang-Hoi; Anshul, Avneesh; Kumar, Rakesh | Assessment and valuation of health impacts of fine particulate matter during COVID-19 lockdown: a comprehensive study of tropical and sub tropical countries | ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH | 28(32), 44522-44537 | 4.223 |
| 16 | CTMD DZC PMPD | Raj, Abhishek; Kumar, Manish; Bherwani, Hemant; Gupta, Ankit; Anshul, Avneesh | Evidence of improved power conversion efficiency in lead-free CsGeI3 based perovskite solar cell heterostructure via scaps simulation | JOURNAL OF VACUUM SCIENCE & TECHNOLOGY B | 39(1), AN12401 | 1.416 |
| 17 | CTMD DZC PMPD | Bherwani, H; Anjum, S; Kumar, S; Gautam, S; Gupta, A; Kumbhare, H; Anshul, A; Kumar, R | Understanding COVID-19 transmission through Bayesian probabilistic modeling and GIS-based Voronoi approach: a policy perspective | ENVIRONMENT DEVELOPMENT AND SUSTAINABILITY | 23, 5846-5864 | 3.219 |
| 18 | CTMD, WTMD | Kadaverugu, Rakesh; Dhyani, Shalini; Dasgupta, Rajarshi; Kumar, Pankaj; Hashimoto, Shizuka; Pujari, Paras | Multiple values of Bhitarkanika mangroves for human well-being: synthesis of contemporary scientific knowledge for mainstreaming ecosystem services in policy planning | JOURNAL OF COASTAL CONSERVATION | 25(2), AN32 | 1.839 |
| 19 | CZC | Muneeswari, R.; Iyappan, S.; Swathi, K., V; Sudheesh, K. P.; Rajesh, T.;Sekaran, G; Ramani, K. | Genomic characterization of Enterobacter xiangfangensis STP-3: Application to real time petroleum oil sludge bioremediation | MICROBIOLOGICAL RESEARCH | 253, AN126882 | 5.415 |
| 20 | CZC ERMD | Khobragade, Rohini; Saravanan, Govindachetty; Einaga, Hisahiro; Nagashima, Hideo; Shukla, Pravesh; Gupta, Tarun; Agarwal, Avinash Kumar; Labhasetwar, Nitin | Diesel fuel particulate emission control using low-cost catalytic materials | FUEL | 302, AN121157 | 6.609 |
| 21 | **CZC ERMD EMD** | **Singh, Payel; Pal, Prabir; Mondal, Priyanka; Saravanan, Govindachetty; Nagababu, Penumaka; Majumdar, Swachchha; Labhsetwar, Nitin; Bhowmick, Subhamoy** | **Kinetics and mechanism of arsenic removal using sulfide-modified nanoscale zerovalent iron** | **CHEMICAL ENGINEERING JOURNAL** | **412, AN128667** | **13.27** |

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| 22 | CZC ERMD | Pulleri, JK; Singh, SK; Yearwar, D; Saravanan, G; Al-Fatesh, AS; Labhasetwar, NK | Morphology Dependent Catalytic Activity of Mn(3)O(4)for Complete Oxidation of Toluene and Carbon Monoxide | CATALYSIS LETTERS | 151, 172-181 | 3.186 |
| 23 | DZC | Gulia, Sunil; Goyal, Nitin; Mendiratta, Saurabh; Biswas, Tridipa; Goyal, S. K.; Kumar, Rakesh | COVID 19 Lockdown - Air Quality Reflections in Indian Cities | AEROSOL AND AIR QUALITY RESEARCH | 21(5), AN200308 | 3.063 |
| 24 | DZC | Goyal, Prachi; Gulia, Sunil; Goyal, S. K. | Review of land use specific source contributions in PM2.5 concentration in urban areas in India | AIR QUALITY ATMOSPHERE AND HEALTH | 14(5), 691-704 | 3.763 |
| 25 | DZC | Gondwal, Tarang Kumar; Mandal, Papiya | Review on Classification, Sources and Management of Road Dust and Determination of Uncertainty Associated with Measurement of Particle Size of Road Dust | MAPAN-JOURNAL OF METROLOGY SOCIETY OF INDIA | 36, 909-92 | 1.009 |
| 26 | DZC | Verma, Madhuri; Pervez, Shamsh; Chow, Judith C.; Majumdar, Dipanjali; Watson, John G.;Pervez, Yasmeen Fatima; Deb, Manas Kanti; Shrivas, Kamlesh; Jain, Vikas Kumar; Khan, Noor A.; Mandal, Papiya; Chakrabarty, Rajan K. | Assessing the magnitude of PM2.5 polycyclic aromatic hydrocarbon emissions from residential solid fuel combustion and associated health hazards in South Asia | ATMOSPHERIC POLLUTION RESEARCH | 12(8); AN101142 | 4.352 |
| 27 | DZC | Goyal, Prachi; Gulia, Sunil; Goyal, S. K. | Identification of air pollution hotspots in urban areas - An innovative approach using monitored concentrations data | SCIENCE OF THE TOTAL ENVIRONMENT | 798, AN149143 | 7.963 |
| 28 | DZC | Das, Manob; Das, Arijit; Sarkar, Raju; Mandal, Papiya; Saha, Sunil;Ghosh, Sasanka | Exploring short term spatio-temporal pattern of PM2.5 and PM10 and their relationship with meteorological parameters during COVID-19 in Delhi | URBAN CLIMATE | 39, AN100944 | 5.731 |
| 29 | DZC | Gulia, Sunil; Goyal, Prachi; Prakash, Mamta; Goyal, S. K.; Kumar, Rakesh | Policy Interventions and Their Impact on Air Quality in Delhi City - an Analysis of 17 Years of Data | WATER AIR AND SOIL POLLUTION | 232(11), AN465 | 2.52 |
| 30 | DZC | Das, M; Das, A; Sarkar, R; Saha, S; Mandal, P | Regional scenario of air pollution in lockdown due to COVID-19 pandemic: Evidence from major urban agglomerations of India | URBAN CLIMATE | 37, AN100821 | 5.731 |
| 31 | DZC | Kuppili, SK; Alshetty, VD; Diya, M; Nagendra, SMS; Ramadurai, G; Ramesh, A; Gulia, S; Namdeo, A; Maji, K; Bell, M; Goodman, P; Hayes, E; Barnes, J; Longhurst, J; De Vito, L | Characteristics of real-world gaseous exhaust emissions from cars in heterogeneous traffic conditions | TRANSPORTATION RESEARCH PART D-TRANSPORT AND ENVIRONMENT | 95, AN102855 | 5.495 |
| 32 | DZC CTMD ERMD | Kumar, H; Azad, A; Gupta, A; Sharma, J; Bherwani, H; Labhsetwar, | COVID-19 Creating another problem? Sustainable solution for PPE disposal through LCA approach | ENVIRONMENT DEVELOPMENT AND SUSTAINABILITY | 23,9418-9432 | 3.219 |

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| 33 | DZC PMPD CTMD | Gupta, A; Bherwani, H; Gautam, S; Anjum, S; Musugu, K; Kumar, N; Anshul, A; Kumar, R | Air pollution aggravating COVID-19 lethality? Exploration in Asian cities using statistical models | ENVIRONMENT DEVELOPMENT AND SUSTAINABILITY | 23(4), 6408-6417 | 3.219 |
| 34 | DZC CTMD ERMD | Gupta, Ankit; Naved, Mohd Mubashshir; Kumbhare, Himanshu; Bherwani, Hemant; Das, Darpan; Labhsetwar, Nitin | Impact assessment of clean cookstove intervention in Gujarat, India: a potential case for corporate social responsibility (CSR) funding | ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH | 28(10), 12740-12752 | 4.223 |
| 35 | DZC WRD | Sunayan; Kumar, Sunil; Kumar, Rakesh | Forecasting of municipal solid waste generation using non-linear autoregressive (NAR) neural models | WASTE MANAGEMENT | 121,206-214 | 7.145 |
| 36 | EBGD | Lakkireddy, Samyuktha; Aula, Sangeetha; Kapley, Atya; Gundeti, Sadashivudu; Kutala, Vijay Kumar; Jamil, Kaiser | Association of DNA repair gene XPC Ala499Val (rs2228000 C>T) and Lys939Gln (rs2228001 A>C) polymorphisms with the risk of chronic myeloid leukemia: A case-control study in a South Indian population | JOURNAL OF GENE MEDICINE | 23(7), ANe3339 | 4.565 |
| 37 | EBGD | Varjani, Sunita; Bajaj, Abhay; Purohit, Hemant J.; Kalia, V. C. | Bioremediation and Circular Biotechnology | INDIAN JOURNAL OF MICROBIOLOGY | 61(3), 235-236 | 2.461 |
| 38 | EBGD | Andraskar, Jayanta; Yadav, Shailendra; Kapley, Atya | Challenges and Control Strategies of Odor Emission from Composting Operation | APPLIED BIOCHEMISTRY AND BIOTECHNOLOGY | 193, 2331-2356 | 2.926 |
| 39 | EBGD | Hinsu, Ankit T.; Tulsani, Nilam J.; Panchal, Ketankumar J.; Pandit, Ramesh J.; Jyotsana, Basanti; Dafale, Nishant A.; Patil, Niteen, V; Purohit, Hemant J.; Joshi, Chaitanya G.; Jakhesara, Subhash J. | Characterizing rumen microbiota and CAZyme profile of Indian dromedary camel (Camelus dromedarius) in response to different roughages | SCIENTIFIC REPORTS | 11(1), AN9400 | 4.379 |
| 40 | EBGD | Pandey, Piyush; Kapley, Atya; Brar, Satinder Kaur | Editorial: Biodegradation of High Molecular Weight Polyaromatic Hydrocarbons in Different | FRONTIERS IN MICROBIOLOGY | 12, AN704897 | 5.64 |
| 41 | EBGD | Srivastava, Shweta; Dafale, Nishant A.; Tulsani, Nilam; Jakhesara, Subhash J.; Patil, Niteen, V; Joshi, Chaitanya G.; Purohit, Hemant J. | Evaluation of designed consortium SNH-1 for efficient hydrolysis of agriculture waste to benefit bioethanol production | JOURNAL OF CLEANER PRODUCTION | 288, AN125601 | 9.297 |
| 42 | EBGD | Jha, Varsha; Dafale, Nishant A.; Hathi, Zubeen; Purohit, Hemant | Genomic and functional potential of the immobilized microbial consortium MCSt-1 for wastewater treatment | SCIENCE OF THE TOTAL ENVIRONMENT | 777, AN146110 | 7.963 |
| 43 | EBGD | Pal, Mili; Purohit, Hemant J.; Qureshi, Asifa | Genomic insight for algicidal activity in Rhizobium strain AQ_MP | ARCHIVES OF MICROBIOLOGY | 203(8), 5193-5203 | 2.552 |

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| 44 | EBGD | Shaligram, Shraddha; Narwade, Nitin P.; Kumbhare, Shreyas, V; Bordoloi, Manobjyoti; Tamuli, Kashyap J.; Nath, Shyamalendu; Parimelazhagan, T.; Patil, Vikas S.; Kapley, Atya; Pawar, Shrikant P.; Dhotre, Dhiraj P.; Muddeshwar, M. G.; Purohit, Hemant J.; Shouche, Yogesh S. | Integrated Genomic and Functional Characterization of the Anti-diabetic Potential of Arthrobacter sp. SW1 | CURRENT MICROBIOLOGY | 78(7), 2577-2588 | 2.188 |
| 45 | EBGD | Bokade, Priyanka; Purohit, Hemant J.; Bajaj, Abhay | Myco-remediation of Chlorinated Pesticides: Insights Into Fungal Metabolic System | INDIAN JOURNAL OF MICROBIOLOGY | 61(3), 237-249 | 2.461 |
| 46 | EBGD | Puri, Akshita; Bajaj, Abhay; Lal, Sukanya; Singh, Yogendra; Lal, Rup | Phylogenomic Framework for Taxonomic Delineation of Paracoccus spp. and Exploration of Core-Pan Genome | INDIAN JOURNAL OF MICROBIOLOGY | 61(2), 180-194 | 2.461 |
| 47 | EBGD | Bombaywala, S; Dafale, NA; Jha, V; Bajaj, A; Purohit, HJ | Study of indiscriminate distribution of restrained antimicrobial resistome of different environmental niches | ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH | 28(9), 10780-10790 | 4.223 |
| 48 | EBGD | Jhariya, Upasana; Dafale, Nishant A.; Srivastava, Shweta; Bhende, Rahul S.; Kapley, Atya; Purohit, Hemant J. | Understanding Ethanol Tolerance Mechanism in Saccharomyces cerevisiae to Enhance the Bioethanol Production: Current and Future Prospects | BIOENERGY RESEARCH | 14(2), 670-688 | 2.814 |
| 49 | EBGD | Srivastava, S; Dafale, NA; Jakhesara, SJ; Joshi, CG; Patil, NV; Purohit, HJ | Unraveling the camel rumen microbiome through metaculturomics approach for agriculture waste hydrolytic potential | ARCHIVES OF MICROBIOLOGY | 203, 107-123 | 2.552 |
| 50 | EBGD | Kumar, Manish; Dutta, Shanta; You, Siming; Luo, Gang; Zhang, Shicheng; Show, Pau Loke; Sawarkar, Ankush D.; Singh, Lal; Tsang, Daniel C. W. | A critical review on biochar for enhancing biogas production from anaerobic digestion of food waste and sludge | JOURNAL OF CLEANER PRODUCTION | 305, AN12743 | 9.297 |
| 51 | EBGD | Fuke, Priya; Manu, Mohan; Kumar, Manish; Sawarkar, Ankush D.; Pandey, Ashok; Singh, Lal | Role of microbial diversity to influence the growth and environmental remediation capacity of bamboo: A review | INDUSTRIAL CROPS AND PRODUCTS | 167, An113567 | 5.645 |
| 52 | EBGD | Sonarkhan, Maroti P.; Singh, Lal; Sungkaew, Sarawood; Souvannakhoummane, Keooudone; Thul, Sanjog T. | Silica and secondary metabolites as chemophenetic markers for characterization of bamboo species in relation to genetic and morphometric analysis | MOLECULAR BIOLOGY REPORTS | 48(5), 4487-4495 | 2.316 |
| 53 | EBGD | Singh, L; Ruprela, N; Dafale, N; Thul, ST | Variation in Endophytic Bacterial Communities Associated with the Rhizomes of Tropical Bamboos | JOURNAL OF SUSTAINABLE FORESTRY | 40(2), 111-123 | 1.5 |

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| 54 | EBGD | Raghunathan, Karthik; Marathe, Deepak; Singh, Anshika; Thawale, Prashant | Organic waste amendments for restoration of physicochemical and biological productivity of mine spoil dump for sustainable development | ENVIRONMENTAL MONITORING AND ASSESSMENT | 193(9); AN 599 | 2.513 |
| 55 | EBGD | Tulsani, Nilam J.; Mishra, Priyaranjan; Jakhesara, Subhash J.; Srivastava, Shweta; Jyotsana, Basanti; Dafale, Nishant A.; V. Patil, Niteen; Purohit, Hemant J.; Joshi, Chaitanya G. | Isolation, purification and characterization of a novel esterase from camel rumen metagenome | PROTEIN EXPRESSION AND PURIFICATION | 187; AN105941 | 1.65 |
| 56 | EBGD | Nandy, Sampurna; Arora, Upasana; Tarar, Pranay; Viggor, Signe; Joesaar, Merike; Kavisaar, Maia; Kapley, Atya; | Monitoring the growth, survival and phenol utilization of the fluorescent-tagged *Pseudomonas oleovorans* immobilized and free cells | BIORESOURCE TECHNOLOGY | 338, AN125568 | 9.642 |
| 57 | EBGD | Sridharan, Srinidhi; Kumar, Manish; Singh, Lal; Bolan, Nanthi S.; Saha, Mahua | Microplastics as an emerging source of particulate air pollution: A critical review | JOURNAL OF HAZARDOUS MAERIALS | 418, AN126245 | 10.59 |
| 58 | EBGD | Yadav, Swati; Pandey, Vimal Chandra; Singh, Lal | Ecological restoration of fly-ash disposal areas: Challenges and opportunities | LAND DEGRADATION AND DEVELOPMENT | 32(16), 4453-4471 | 4.977 |
| 59 | EBGD | Maddalwar, Shrirang; Nayak, Kush Kumar; Kumar, Manish; Singh, Lal | Plant microbial fuel cell: Opportunities, challenges, and prospects | BIORESOURCE TECHNOLOGY | 341, AN125772 | 9.642 |
| 60 | EBGD | Jha, Varsha; Purohit, Hemant; Dafale, Nishant A. | Revealing the potential of Klebsiella pneumoniae PVN-1 for plant beneficial attributes by genome sequencing and analysis | 3-BIOTECH | 11(11), AN473 | 2.406 |
| 61 | EBGD | Pal, Mili; Yadav, Shailendra; Kapley, Atya; Qureshi, Asifa | Impact of cyanobacterial bloom on microbiomes of freshwater lakes | JOURNAL OF BIOSCIENCES | 46(4), AN96 | 1.826 |
| 62 | EBGD | Tikariha, Hitesh; Purohit, Hemant J. | Genomic adaptation and metabolic hierarchy: Microbial community response to oxygen stress in community derived from sludge treating refinery wastewater | JOURNAL OF CLEANAR PRODUCTION | 320, AN128808 | 9.297 |
| 63 | EBGD | Bombaywala, S; Purohit, HJ; Dafale, NA | Mobility of antibiotic resistance and its co-occurrence with metal resistance in pathogens under oxidative stress | JOURNAL OF ENVIRONMENTAL MANAGEMENT | 297, AN113315 | 6.789 |
| 64 | EBGD | Lakkireddy, S; Jayaraman, A; Aula, S; Kapley, A; Kutala, VK; Jamil, K | In Silico Docking Studies of Vascular Endothelial Growth Factor-A (VEG-FA): Possible Implications in Chronic Myeloid Leukemia (CML) Therapy | CURRENT PROTEOMICS | 18(4), 575-586 | 0.837 |
| 65 | EBGD | Marathe, D; Raghunathan, K; Singh, A; Thawale, P; Kumari, K | A Modified Lysimeter Study for Phyto-Treatment of Moderately Saline Wastewater Using Plant-Derived Filter Bedding Materials | FRONTIERS IN MICROBIOLOGY | 12, AN767132 | 5.64 |

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| 66 | EBGD | Mishra, A; Kumar, M; Bolan, NS; Kapley, A; Kumar, R; Singh, L | Multidimensional approaches of biogas production and up-gradation: Opportunities and challenges | BIORESOURCE TECHNOLOGY | 338, AN125514 | 9.642 |
| 67 | EBGD WRD | Sridharan, Srinidhi; Kumar, Manish; Bolan, Nanthi S.; Singh, Lal; Kumar, Sunil; Kumar, Rakesh; You, Siming | Are microplastics destabilizing the global network of terrestrial and aquatic ecosystem services? | ENVIRONMENTAL RESEARCH | 198, AN111243 | 6.498 |
| 68 | EBGD WRD | Kumar, Aman; Singh, Ekta; Singh, Lal; Kumar, Sunil; Kumar, Rakesh | Carbon material as a sustainable alternative towards boosting properties of urban soil and foster plant growth | SCIENCE OF THE TOTAL ENVIRONMENT | 751, AN141659 | 7.963 |
| 69 | EBGD WRD | Mandpe, Ashootosh; Yadav, Nikita; Paliya, Sonam; Tyagi, Lakshay; Yadav, Bholu Ram; Singh, Lal; Kumar, Sunil; Kumar, Rakesh | Exploring the synergic effect of fly ash and garbage enzymes on biotransformation of organic wastes in in-vessel composting system | BIORESOURCE TECHNOLOGY | 322, AN124557 | 9.642 |
| 70 | EBGD WRD | Singh, Ekta; Kumar, Aman; Mishra, Rahul; You, Siming; Singh, Lal; Kumar, Sunil; Kumar, Rakesh | Pyrolysis of waste biomass and plastics for production of biochar and its use for removal of heavy metals from aqueous solution | BIORESOURCE TECHNOLOGY | 320(A), AN124278 | 9.642 |
| 71 | EBGD WWT | Rao, Archana; Kumar, Anupama; Dhodapkar, Rita; Pal, Sukdeb | Adsorption of five emerging contaminants on activated carbon from aqueous medium: kinetic characteristics and computational modeling for plausible mechanism | ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH | 28(17), 21347-21358 | 4.223 |
| 72 | EISD | Babu, DS; Nidheesh, PV | A review on electrochemical treatment of arsenic from aqueous medium | CHEMICAL ENGINEERING COMMUNICATIONS | 208(3),389-410 | 2.494 |
| 73 | EISD | Scaria, Jaimy; Gopinath, Ashitha; Nidheesh, P. V. | A versatile strategy to eliminate emerging contaminants from the aqueous environment: Heterogeneous Fenton process | JOURNAL OF CLEANER PRODUCTION | 278, AN124014 | 9.297 |
| 74 | EISD | Nidheesh, P., V; Scaria, Jaimy; Babu, D. Syam; Kumar, M. Suresh | An overview on combined electrocoagulation-degradation processes for the effective treatment of water and wastewater | CHEMOSPHERE | 263, AN127907 | 7.086 |
| 75 | EISD | Titchou, Fatima Ezzahra; Zazou, Hicham; Afanga, Hanane; El Gaayda, Jamila; Akbour, Rachid Ait; Nidheesh, Puthiya Veetil; Hamdani, | An overview on the elimination of organic contaminants from aqueous systems using electrochemical advanced oxidation processes | JOURNAL OF WATER PROCESS ENGINEERING | 41, AN102040 | 5.485 |
| 76 | EISD | Babu, D. Syam; Nidheesh, P., V; Kumar, M. Suresh | Arsenite removal from aqueous solution by aerated iron electrocoagulation process | SEPARATION SCIENCE AND TECHNOLOGY | 56(1), 184-193 | 2.475 |
| 77 | EISD | Gopinath, Ashitha; Divyapriya, G.; Srivastava, Vartika; Laiju, A. R.; Nidheesh, P., V; Kumar, M. Suresh | Conversion of sewage sludge into biochar: A potential resource in water and wastewater treatment | ENVIRONMENTAL RESEARCH | 194, AN110656 | 6.498 |

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| **78** | **EISD** | **Divyapriya, G.; Nidheesh, P., V** | **Electrochemically generated sulfate radicals by boron doped diamond and its environmental applications** | **CURRENT OPINION IN SOLID STATE & MATERIALS SCIENCE** | **25(3), AN100921** | **11.35** |
| 79 | EISD | Menon, Poornima; Singh, T. S. Anantha; Pani, Nibedita; Nidheesh, P., V | Electro-Fenton assisted sonication for removal of ammoniacal nitrogen and organic matter from dye intermediate industrial wastewater | CHEMOSPHERE | 269, AN128739 | 7.086 |
| 80 | EISD | Shaikh, Siratun Montaha S.; Tagde, Jyoti P.; Singh, Pooja R.; Dutta, Smita; Sangolkar, Lalita N.; Kumar, M. Suresh | Impact of Port and harbour activities on plankton distribution and dynamics: A multivariate approach | MARINE POLLUTION BULLETIN | 165, AN112105 | 5.553 |
| 81 | EISD | Karim, Ansaf, V; Jiao, Yongli; Zhou, Minghua; Nidheesh, P., V | Iron-based persulfate activation process for environmental decontamination in water and soil | CHEMOSPHERE | 265, AN129057 | 7.086 |
| 82 | EISD | Dutta, Smita; Kumar, M. Suresh | Potential of value-added chemicals extracted from floral waste: A review | JOURNAL OF CLEANER PRODUCTION | 294, AN126280 | 9.297 |
| 83 | **EISD** | **Nidheesh, P. V.; Gopinath, Ashitha; Ranjith, N.; Akre, Apurva Praveen; Sreedharan, Vandana; Kumar, M. Suresh** | **Potential role of biochar in advanced oxidation processes: A sustainable approach** | **CHEMICAL ENGINEERING JOURNAL** | **405, AN126582** | **13.27** |
| 84 | EISD | Scaria, Jaimy; Anupama, K., V; Nidheesh, P., V | Tetracyclines in the environment: An overview on the occurrence, fate, toxicity, detection, removal methods, and sludge management | SCIENCE OF THE TOTAL ENVIRONMENT | 771, AN145291 | 7.963 |
| 85 | EISD | Chanikya, Pinapala; Nidheesh, P., V; Babu, D. Syam; Gopinath, Ashitha; Kumar, M. Suresh | Treatment of dyeing wastewater by combined sulfate radical based electrochemical advanced oxidation and electrocoagulation processes | SEPARATION AND PURIFICATION TECHNOLOGY | 254, AN117570 | 2.475 |
| 86 | EISD | Divyapriya, G.; Singh, Seema; Martinez-Huitle, Carlos A.; Scaria, Jaimy; Karim, Ansaf, V; Nidheesh, P., V | Treatment of real wastewater by photoelectrochemical methods: An overview | CHEMOSPHERE | 276, AN130188 | 7.086 |
| 87 | EISD | Prakash, Lekshmi, V; Gopinath, Ashitha; Gandhimathi, R.; Velmathi, S.; Ramesh, S. T.; Nidheesh, P., V | Ultrasound aided heterogeneous Fenton degradation of Acid Blue 15 over green synthesized magnetite nanoparticles | SEPARATION AND PURIFICATION TECHNOLOGY | 266, AN118230 | 7.312 |
| **88** | **EISD** | **Hassani, Aydin; Krishnan, Sukanya; Scaria, Jaimy; Eghbali, Paria; Nidheesh, P., V** | **Z-scheme photocatalysts for visible-light-driven pollutants degradation: A review on recent advancements** | **CURRENT OPINION IN SOLID STATE & MATERIALS SCIENCE** | **25(5), AN100941** | **11.35** |
| 89 | EISD | Titchou, Fatima Ezzahra; Zazou, Hicham; Afanga, Hanane; El Gaayda, Jamila; Akbour, Rachid Ait;Nidheesh, Puthiya Veetil; Hamdani, Mohamed | Removal of organic pollutants from wastewater by advanced oxidation processes and its combination with membrane processes | CHEMICAL ENGINEERING AND PROCESSING-PROCESS INTENSIFICATION | 169, AN108631 | 4.237 |

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| 90 | EISD | Mousazadeh, Milad; Naghdali, Zohreh; Al-Qodah, Zakaria; Alizadeh, S. M.; Niaragh, Elnaz Karamati;Malekmohammadi, Sima; Nidheesh, P. V.; Roberts, Edward P. L.; Sillanpaa, Mika; Emamjomeh, Mohammad Mahdi | A systematic diagnosis of state of the art in the use of electrocoagulation as a sustainable technology for pollutant treatment: An updated review | SUSTAINABLE ENERGY TECHNOLOGIES AND ASSESSMENTS | 47, AN101353 | 5.353 |
| 91 | EISD | Srivastava, Vartika; Kumar, Manukonda Suresh; Nidheesh, Puthiya Veetil; Martinez-Huitle, Carlos A. | Electro catalytic generation of reactive species at diamond electrodes and applications in microbial inactivation | CURRENT OPINION IN ELECTROCHEMISTRY | 30, AN 100849 | 7.271 |
| 92 | EISD | Karim, Ansaf, V; Nidheesh, Puthiya Veetil; Oturan, Mehmet A. | Boron-doped diamond electrodes for the mineralization of organic pollutants in the real wastewater | CURRENT OPINION IN ELECTROCHEMISTRY | 30, AN100855 | 7.271 |
| 93 | EISD | Babu, DS; Vijay, K; Nidheesh, PV; Kumar, MS | Performance of continuous aerated iron electrocoagulation process for arsenite removal from simulated groundwater and management of arsenic-iron sludge | SUSTAINABLE ENERGY TECHNOLOGIES AND ASSESSMENTS | 47, AN101476 | 5.353 |
| 94 | EISD WRD | Paliya, Sonam; Mandpe, Ashootosh; Kumar, M. Suresh; Kumar, Sunil | Aerobic degradation of decabrominated diphenyl ether through a novel bacterium isolated from municipal waste dumping site: Identification, degradation and metabolic pathway | BIORESOURCE TECHNOLOGY | 333, AN125208 | 9.642 |
| 95 | EISD WRD | Paliya, Sonam; Mandpe, Ashootosh; Bombaywala, Sakina; Kumar, Manukonda Suresh; Kumar, Sunil; Morya, Vivek Kumar | Polybrominated diphenyl ethers in the environment: a wake-up call for concerted action in India | ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH | 28, 44693-44715 | 4.223 |
| 96 | EMD | Chakraborty, Shampa; Paul, Sima; Roy, Partha; Rayalu, Sadhana | Detection of cyanide ion by chemosensing and fluorosensing technology | INORGANIC CHEMISTRY COMMUNICATIONS | 128, AN108562 | 2.495 |
| 97 | EMD | Nagababu, Penumaka; Thulasiram, B.; Nagarkar, Jidnyasa; Devi, C. Shobha; Paul, Perala Sudheer; Reddy, Thatiparthi Byragi | CT-DNA-binding and biological activity of mononuclear copper(II) complexes with imidazo-phenanthroline ligands | INDIAN JOURNAL OF CHEMISTRY SECTION A-INORGANIC BIO-INORGANIC PHYSICAL THEORETICAL & ANALYTICAL CHEMISTRY | 60(1), 37-44 | 0.491 |
| 98 | EMD | Chakraborty, Shampa; Rayalu, Sadhana | Detection of nickel by chemo and fluoro sensing technologies | SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY | 245, AN118915 | 4.098 |
| 99 | EMD | Penumaka Nagababu, Perala Sudheer Paul, Reddithota J. Krupadam | Efficient and region-selective conversion of octanes to epoxides under ambient conditions: Performance of tri-copper catalyst, $[Cu_3^{I}(L)]^{+1}$ (L=7-N-Etppz), | *INDIAN JOURNAL OF CHEMISTRY* | 60B(5), 742-745 | 0.491 |
| 100 | EMD | Singh, Akanksha A.; Makade, Chetana S.; Krupadam, Reddithota J. | Graphene nanoplatelets embedded polymer: An efficient endodontic material for root canal therapy | MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS | 121, AN111864 | 7.328 |

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| 101 | EMD | Mankar, Juili S; Sadhana S Rayalu, Rajasekhar Balasubramanian, Reddithota J Krupadam | High performance CO2 capture at elevated temperatures by using cenospheres prepared from solid waste, fly ash | CHEMOSPHERE | 284, AN131405 | 7.086 |
| 102 | EMD | D, Venkateshwar Rao; Mahesh Subburu, Ramesh Gade, Manohar Basude, Prabhakar chetti, Narendra Babu S, **Penumaka Nagababu**, Yadagiri Bhongiria and Someshwar Pola | New Zn (II) Complex-Composite Material: Piezo-Enhanced Photo mineralization of Organic Pollutants and Wastewater from Lubricant Industry | *ENVIRONMENTAL SCIENCE: WATER RESEARCH & TECHNOLOGY* | 10 | 4.251 |
| 103 | EMD | G. Hippargi, S. Anjankar, R.J. Krupadam, S.S. Rayalu | Simultaneous wastewater treatment and generation of blended fuel methane and hydrogen using Au-Pt/$TiO_2$ photo-reforming catalytic material Fuel | FUEL | 291, 120113 | 6.609 |
| 104 | EMD | **Nagababu**, Penumaka; Sehba Anjum Mumtaz Ahmeda, Y. Taraka Prabhub, Ankush | Synthesis of $Ni_2P$/CdS and Pt/$TiO_2$ nanocomposite for photo-reduction of $CO_2$ into methanol | *SCIENTIFIC REPORTS* | 11, AN8084 | 4.379 |
| 105 | EMD | Obada, DO; Dodoo-Arhin, D; Jimoh, A; Abdullahi, A; Bansod, ND; Iorpenda, MJ; **Aquatar, MO;** Sowunmi, AR; Abdulrahim, MY; Abraham, CY; Ochuokpa, EO | The effect of acid aging on the mechanical and tribological properties of coir-coconut husk-reinforced low-density polyethylene composites | POLYMER BULLETIN | 7 | 2.87 |
| 106 | EMD | Sharma, Madhu D.; Rayalu, Sadhana S.; Kolev, Spas D.; Krupadam, Reddithota J. | Graphene/fluorescein dye-based sensor for detecting As(III) in drinking water | SCIENTIFIC REPORTS | 11(1); AN17321 | 4.379 |
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| 108 | EMD | Mankar, Juili S.; Rayalu, Sadhana S.; Balasubramanian, Rajasekhar; Krupadam, Reddithota J. | High performance CO2 capture at elevated temperatures by using cenospheres prepared from solid waste, fly ash | CHEMOSPHERE | 284, AN131405 | 8.928 |
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| 110 | EMD CHWMD | Kumar, A Ramesh; Atul Narayan Vaidya, Ishan Singh, Kajal Ambekar, Suyog Gurja, Archana Prajapati, Gajanan Sitaramji Kanade, Girivyankatesh Hippargi, Ganesh Kale, Sandeep Bodkhe | Leaching characteristics and hazard evaluation of bottom ash generated from common biomedical waste incinerators | JOURNAL OF ENVIRONMENTAL SCIENCE AND HEALTH - A TOXIC/ HAZARDOUS SUBSTANCES ENVIRONMENTAL ENGINEERING | 56(10), 1059-1079 | 2.269 |

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| 113 | ERMD | Uppara, Hari Prasad; Singh, Sunit Kumar; Labhsetwar, Nitin Kumar; Murari, Mudiyaru Subrahmanya; Dasari, Harshini | The catalytic activity of Ce-Hf, Ce-Hf-Mg mixed oxides and RuO2/HfO2 deposited on CeO2: Role of superoxide/peroxide in soot oxidation reaction | KOREAN JOURNAL OF CHEMICAL ENGINEERING | 38(7), 1403-1415 | 3.309 |
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| 134 | KZC | Majumdar, Dipanjali | How are the Two Most Polluted Metro-cities of India Combating Air Pollution? Way Forward after Lifting of COVID-19 Lockdown | AEROSOL AND AIR QUALITY RESEARCH | 21(1), AN200463 | 3.063 |

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| 152 | PMPD | Kumar, Manish; Raj, Abhishek; Kumar, Arvind; Anshul, Avneesh | Effect of band-gap tuning on lead-free double perovskite heterostructure devices for photovoltaic applications via SCAPS simulation | MATERIALS TODAY COMMUNICATIONS | 26, AN101851 | 3.383 |
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| 164 | WRD | Rautela, Rahul; Arya, Shashi; Vishwakarma, Shilpa; Lee, Jechan; Kim, Ki-Hyun; Kumar, Sunil | E-waste management and its effects on the environment and human health | SCIENCE OF THE TOTAL ENVIRONMENT | 773, AN145623 | 7.963 |
| 165 | WRD | Sirohi, Ranjna; Gaur, Vivek Kumar; Pandey, Ashutosh Kumar; Sim, Sang Jun; Kumar, Sunil | Harnessing fruit waste for poly-3-hydroxybutyrate production: A review | BIORESOURCE TECHNOLOGY | 326, AN124734 | 9.642 |
| 166 | WRD | Kumar, Pradeep; Kumar, Sunil; Singh, Rana Pratap | High Contamination of Toxic Heavy Metals in Vegetables and Their Associated Health Risk Assessment from Different Vegetable markets of the Metropolitan City, Lucknow, India | INTERNATIONAL JOURNAL OF ENVIRONMENTAL RESEARCH | 15, 837-847 | 2.479 |
| 167 | WRD | Sharma, Dayanand; Pandey, Ashutosh Kumar; Yadav, Kunwar Durg; Kumar, Sunil | Response surface methodology and artificial neural network modelling for enhancing maturity parameters during vermicomposting of floral waste | BIORESOURCE TECHNOLOGY | 324, AN124672 | 9.642 |

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| 168 | WRD | Sharma, Pooja; Pandey, Ashutosh Kumar; Udayan, Aswathy; Kumar, Sunil | Role of microbial community and metal-binding proteins in phytoremediation of heavy metals from industrial wastewater | BIORESOURCE TECHNOLOGY | 326, AN124750 | 9.642 |
| 169 | WRD | Kim, D; Park, JH; Kim, SH; Kumar, G; Lee, BD; Kumar, S; Yoon, JJ | Shift of microbial community structure by substrate level in dynamic membrane bioreactor for biohydrogen production | INTERNATIONAL JOURNAL OF ENERGY RESEARCH | 45(12), 17408-17416 | 5.164 |
| 170 | WRD | Moharir, Rucha, V; Kumar, Sunil | Structural characterization of LDPE films to analyse the impact of heavy metals and effect of UV pre-treatment on polymer degradation | JOURNAL OF CLEANER PRODUCTION | 298 | 9.297 |
| 171 | WRD | Sirohi, Ranjna; Tarafdar, Ayon; Gaur, Vivek Kumar; Singh, Shikhangi; Sindhu, Raveendran; Rajasekharan, Reshmy; Madhavan, Aravind; Binod, Parameswaran; Kumar, Sunil; Pandey, Ashok | Technologies for disinfection of food grains: Advances and way forward | FOOD RESEARCH INTERNATIONAL | 145, AN110396 | 6.475 |
| 172 | WRD | Arya, Shashi; Patel, Aneri; Kumar, Sunil; Pau-Loke, Show | Urban mining of obsolete computers by manual dismantling and waste printed circuit boards by chemical leaching and toxicity assessment of its waste residues | ENVIRONMENTAL POLLUTION | 283, AN117033 | 8.071 |
| 173 | WRD | Malik, Sameena Naaz; Rena; Kumar, Sunil | Enhancement effect of zero-valent iron nanoparticle and iron oxide nanoparticles on dark fermentative hydrogen production from molasses-based distillery wastewater | INTERNATIONAL JOURNAL OF HYDROGEN ENERGY | 46(58), 29812-29821 | 5.816 |
| 174 | WRD | Mandpe, Ashootosh; Tyagi, Lakshay; Paliya, Sonam; Chaudhry, Smita; Motghare, Ankit; Kumar, Sunil | Rapid-in-house composting of organic solid wastes with fly ash supplementation: Performance evaluation at thermophilic exposures | BIORESOURCE TECHNOLOGY | 337, AN125386 | 9.462 |
| 175 | WRD | Raj, Abhay; Yadav, Ashutosh; Rawat, Abhay Prakash; Singh, Anil Kumar; Kumar, Sunil; Pandey, Ashutosh Kumar; Sirohi, Ranjna; Pandey, Ashok | Kinetic and thermodynamic investigations of sewage sludge biochar in removal of Remazol Brilliant Blue R dye from aqueous solution and evaluation of residual dyes cytotoxicity | ENVIRONMENTAL TECHNOLOGY & INNOVATION | 23, AN101556 | 5.263 |
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| 184 | WRD | Raj, A; Yadav, A; Arya, S; Sirohi, R; Kumar, S; Rawat, AP; Thakur, RS; Patel, DK; Bahadur, L; Pandey, A | Preparation, characterization and agri applications of biochar produced by pyrolysis of sewage sludge at different temperatures | SCIENCE OF THE TOTAL ENVIRONMENT | 795, AN148722 | 7.963 |
| 185 | WRD EBGD | Kumar, Manish; Chen, Hongyu; Sarsaiya, Surendra; Qin, Shiyi; Liu, Huimin; Awasthi, Mukesh Kumar; Kumar, Sunil; Singh, Lal; Zhang, Zengqiang; Bolan, Nanthi S.; Pandey, Ashok; Varjani, Sunita; Taherzadeh, Mohammad J. | Current research trends on micro- and nano-plastics as an emerging threat to global environment: A review | JOURNAL OF HAZARDOUS MATERIALS | 409, AN124967 | 10.59 |
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| 187 | WRD APC | Manwatkar, Prashik; Dhote, Lekha; Pandey, Ram Avtar; Middey, Anirban; Kumar, Sunil | Combustion of distillery sludge mixed with coal in a drop tube furnace and emission characteristics | ENERGY | 221, AN119871 | 7.147 |
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| 190 | WRD EBGD | Sawarkar, Ankush D.; Shrimankar, Deepti D.; Kumar, Manish; Kumar, Phani; Kumar, Sunil; Singh, Lal | Traditional System Versus DNA Barcoding in Identification of Bamboo Species: A Systematic Review | MOLECULAR BIOTECHNOLOGY | 63(8), 651-675 | 2.695 |
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| 194 | WTMD | Shende, AD; Pophali, GR | Anaerobic treatment of slaughterhouse wastewater: a review | ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH | 28, 35-55 | 4.223 |
| 195 | WTMD | Balwant, Pandurang; Bramhanwade, Kavita; Jyothi, Veligeti; Pujari, Paras R.; Dhyani, Shalini; Verma, Parikshit; Godio, Alberto; Chiampo, Fulvia | Application of electrical resistivity tool to monitor soil contamination by herbicide | CURRENT SCIENCE | 120(10), 1636-1639 | 1.102 |
| 196 | WTMD | Mishra, Ashutosh Kumar; Pujari, Paras R.; Dhyani, Shalini; Verma, Parikshit; Janipella, Ramesh; Balwant, Pandurang; Purkayastha, Saptarshi D.; Quamar, Rafat; Veligeti, Jyothi | Assessing water requirement of orange trees using sap flow measurements in Narkhed-Pandhurna critical zone observatory (CZO) in central India | JOURNAL OF AGROMETEOROLOGY | 23(1), 14-20 | 0.557 |

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| 197 | WTMD | Warkhade, Swapnil K.; Singh, Rudra P.; Das, Ranjita S.; Gaikwad, G. S.; Zodape, Sangesh P.; Pratap, Umesh R.; Maldhure, Atul; Wankhade, Atul V. | CoSe2 nanoflakes: An artificial nanoenzyme with excellent peroxidase like activity | INORGANIC CHEMISTRY COMMUNICATIONS | 126, AN108461 | 2.495 |
| 198 | WTMD | Hajare, Rajashree; Labhasetwar, Pawan; Nagarnaik, Pranav | Evaluation of pathogen risks using QMRA to explore wastewater reuse options: A case study from New Delhi in India | WATER SCIENCE AND TECHNOLOGY (IWA) | 83(3), 543-555 | 1.915 |
| 199 | WTMD | Yadav, Anshul; Labhasetwar, Pawan Kumar; Shahi, Vinod Kumar | Fabrication and optimization of tunable pore size poly(ethylene glycol) modified poly(vinylidene-co-hexafluoropropylene) membranes in vacuum membrane distillation for desalination | SEPARATION AND PURIFICATION TECHNOLOGY | 271, AN118840 | 7.312 |
| 200 | WTMD | Ramvilas, Ghosh; Dhyani, Shalini; Kumar, Biju; Sinha, Neha; Raghavan, Rajeev; Selvaraj, Gayathri; Divakar, Nithin; Anoop, V. K.; Shalu, Kannan; Sinha, Alolika; Kulkarni, Apoorva; Das, Sandeep; Molur, Sanjay | Insights on COVID-19 impacts, challenges and opportunities for India ? s biodiversity research: From complexity to building adaptations | BIOLOGICAL CONSERVATION | 255, AN109003 | 5.99 |
| 201 | WTMD | Kachhawaha, Akanksha S.; Nagarnaik, Pranav M.; Labhasetwar, Pawan K.; Banerjee, Kaushik | Pharmaceuticals and personal care products in aqueous urban environment of western India | WATER AND ENVIRONMENT JOURNAL | 35(4), 1302-1312 | 2.07 |
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| 205 | WTMD | Basu, Mrittika; DasGupta, Rajarshi; Kumar, Pankaj; Dhyani, Shalini | Home gardens moderate the relationship between Covid-19-induced stay-at-home orders and mental distress: a case study with urban residents of India | ENVIRONMENTAL RESEARCH COMMUNICATIONS | 3(10), AN105002 | 2.104 |
| 206 | WTMD | Yadav, Anshul; Patel, Raj Vardhan; Labhasetwar, Pawan Kumar; Shahi, Vinod Kumar | Novel MIL101(Fe) impregnated poly(vinylidene fluoride-co-hexafluoropropylene) mixed matrix membranes for dye removal from textile industry wastewater | JOURNAL OF WATER PROCESS ENGINEERING | 43, AN102317 | 5.485 |

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| 210 | WTMD | Yadav, Anshul; Singh, Khushboo; Panda, Asit Baran; Labhasetwar, Pawan Kumar; Shahi, Vinod Kumar | Membrane distillation crystallization for simultaneous recovery of water and salt from tannery industry wastewater using TiO2 modified poly (vinylidene fluoride-co-hexafluoropropylene) nanocomposite membranes | JOURNAL OF WATER PROCESS ENGINEERING | 44, AN102393 | 5.485 |
| 211 | WTMD | Kurien, Aswathy Mariam; Shende, Akshay D.; Pophali, Girish R. | Development of Techno-Economical Treatment System for Bulk Milk Cooler Effuent in India | ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL | 20(8), 1361-1370 | 0.916 |
| 212 | WTMD | Peerzada, Ishtiyak Ahmad; Chamberlain, James; Reddy, Mohan; Dhyani, Shalini; Saha, Somidh | Policy and Governance Implications for Transition to NTFP-Based Bioeconomy in Kashmir Himalayas | SUSTANABILITY | 13(21), AN11811 | 3.251 |
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| 214 | WTMD CTMD | Dhyani, Shalini; Murthy, Indu K.; Kadaverugu, Rakesh; Dasgupta, Rajarshi; Kumar, Manoj; Adesh Gadpayle, Kritika | Agroforestry to Achieve Global Climate Adaptation and Mitigation Targets: Are South Asian Countries Sufficiently Prepared? | FORESTS | 12(3), 303 | 2.633 |
| 215 | WTMD CTMD | Kumar, Pankaj; Dasgupta, Rajarshi; Dhyani, Shalini; Kadaverugu, Rakesh; Johnson, Brian Alan; Hashimoto, Shizuka; Sahu, Netrananda; Avtar, Ram; Saito, Osamu; Chakraborty, Shamik; Mishra, Binaya Kumar | Scenario-Based Hydrological Modeling for Designing Climate-Resilient Coastal Water Resource Management Measures: Lessons from Brahmani River, Odisha, Eastern India | SUSTAINABILITY | 13(11), AN6339 | 3.251 |
| 216 | WTMD WRD | Singh, Deval; Chavan, Digambar; Pandey, Ashutosh Kumar; Periyaswami, Lakshmikanthan; Kumar, Sunil | Determination of landfill gas generation potential from lignocellulose biomass contents of municipal solid waste | SCIENCE OF THE TOTAL ENVIRONMENT | 785, AN147243 | 7.963 |

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| 219 | WWTD | Mukherjee, Subham; Sikdar, Pradip Kumar; Pal, Sukdeb; Schuett, Brigitta | Assessment of Environmental Water Security of an Asian Deltaic Megacity and Its Peri-Urban Wetland Areas | SUSTAINABILITY | 13(5), AN2772 | 3.251 |
| 220 | WWTD | Panchal, Deepak; Sharma, Abhishek; Mondal, Prasenjit; Prakash, Om; Pal, Sukdeb | Heterolayered TiO2@layered double hydroxide-MoS2 nanostructure for simultaneous adsorption-photocatalysis of co-existing water contaminants | APPLIED SURFACE SCIENCE | 553, AN149577 | 6.707 |
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