



International Conference on Environmental Science and Engineering (ICESE-2022)-Oral Presentations

Session code	Abstract no.	Participant	Title
SW1	W16	Dharmendra Singh Ken	Electrochemical advanced oxidation of organic contents from simulated and actual coking wastewater
	W17	Onkar Sudhir Ekande	Activation of peroxymonosulfate (PMS) using bismuth ferrite for the degradation of Metronidazole
	W26	Arhama Tufail Ahd Ansari	Seasonal Variation in the Occurrence of Antibiotics in CETP Wastewater and Receiving Water Body
	W55	Rashmi Ranjan	Enhancing desalination performance of thin film composite membrane by substrate layer modification using Graphene Oxide
	W51	Swati Mishra	Removal of Chloroxylonol using Natural Adsorbents
	W46	Bhavana Kanwar	Study of ciprofloxacin removal by electro-coagulation process
	W33	Darakhshan Nayyar	PFAS Removal Using Ion Exchange Resins
SW2	W11	Naseeba Parveen	Human health risk assessment of heavy metals and inorganic contaminants through bottled water
	W40	Jyoti Mishra	Characterization and Statistical Analysis of Urban Runoff
	W56	Vijayendra Pratap Dheeraj	Spatial & physicochemical analysis of groundwater quality for drinking purpose in Gaya district, Bihar, India
	W59	Biplab Kumar Mahata	Application of Langmuir Kinetic Model to Ammonium Nitrogen (NH ₄ + - N) Adsorption by Copper-Modified Weak Anion Exchange Resin (Cu-WAER)
	W67	Rajhans Negi	Correlating Energy Use and Wastewater Quality Index in a Wastewater Treatment and Reuse System
	S21	Kunwar Abhishek Singh	Lab based study of spectral response of suspended sediments generated from different texture classes of soil
	W79	Yerramilli Sai	Empirical relations for attachment and detachment rate coefficients of colloids in saturated porous media
SW3	W8	Dr.S.Kanmani	Degradation of Textile Dyes using UV-LED combination with Nanotechnologies
	W53	Pranav Bhagwan Pawar	Water softening using grapheme oxide based capacitive deionization
	W49	Marut Jain	Super-hydrophobic, highly porous, 3D aerogel of graphene oxide for the efficient removal of phenol and Bisphenol A from wastewater
	W48	Asad Abbas	Surface modification of prepared graphene oxide (GO) using SPION via coprecipitation technique
	W69	Kritika Jashrapuria	LASER INDUCED GRAPHENE - AN EFFECTIVE ANTI-BIOFOULING STRATEGY
	W71	Ashish Kumar	Doped Laser-Induced Graphene Electrodes for Contaminant Removal
	W74	Chinmoy Mandal	Photocatalytic Disinfection, kinetics and optimization of Bacterial inactivation using metal and doped metal oxide Nanoparticles
SW4	W28	Ankisha Vijay	Power generation by halophilic bacteria in saline Microbial fuel cell and simultaneous nitrate removal
	W31	Jayalatha N A	Application of Pseudomonas aeruginosa for the Removal of Triclosan and Ibuprofen from Contaminated Domestic Wastewater
	W44	Aishwarya Rastogi	Microbial degradation of diclofenac using bacterial pure cultures and prediction of degradation byproducts
	W47	Barkha Sharma	Mycoremedial technology based on dual efficient absorptive removal and degradation of Congo red dye containing synthetic wastewater by Penicillium crustosum PWS-7
	W68	Suvidha Gupta	Evaluation of Simultaneous Nitrification Denitrification Potential of Thiosphaera pantotropha MTCC 7169 for Nitrogen Removal from Refinery Wastewater

	W76	Shivpuje A	Nutrient Removal By Chlorella Sorokiana in Synthetic Wastewater Batch Reactors Under Autotrophic, Mixotrophic, and Heterotrophic Modes
	W77	Akhila M. Nair	Electrochemical Inactivation of Viruses using Metal Doped Nanomaterials
SW5	W7	Shreeniwas. M. Sathe	Tonner ink derived iron-based bio-electro-Fenton oxidation for the cathodic degradation of sodium dodecyl sulphate
	W9	S. Sethulekshmi	An estimate of microplastics pollution from personal care products in India
	W12	Mitil Koli	Electrochemical treatment for Methylene Blue removal using graphite electrodes: Effect of voltage
	W30	Reshu Singh	Physiochemical analysis and sources of water in cities of India : A Status Report
	W32	Ramya Srinivasan	Electro-peroxone treatment for the removal of emerging pharmaceutical contaminants using a novel carbon-coated metal foam electrode
	W62	Somaparna Ghosh	Arsenite and Arsenate Removal from Drinking Water using Electrocoagulation with Iron Electrodes
	W72	Tavishi Misra	Fluoride remediation by hydroxyapatite-coated calcite and brushite in synthetic and real contaminated groundwaters
	W85	B. Lekshmi	S&T for Enabling the Circular Economy of Water Reuse: Closing the Loop through focusing on Emerging Contaminants Escaping through Wastewater Treatment Plants
SS1	S26	Poonawala Abdul Kadir	Design of small-scale household waste combustor using oxygen-enriched air
	S16	Ashish R.Gaikwad	Rationalization of the Factors for Selection of Sanitary landfill site for Nashik City, India
	S33	Ayush Singh	Legacy waste as compost: Impact of heavy metal on Napier grass growth
	S34	Mohd Salim Mahtab	Simultaneous optimal COD removal and lesser sludge production in the Fenton process: An environmentally friendly landfill leachate treatment
	S17	Meghana Munagala	Life cycle assessment of Bio-CNG production from sugarcane bagasse
	S8	Kumar Raja Vanapalli	Evaluation of stability and potential toxicity of Single-use plastics-biochar composites recovered from co-pyrolysis of biomass and plastics in soil
	W6	S. Singh	Waste derived Catalyst for Wastewater Treatment: Synthesis and Characterisation
	W84	Shruti Sharma	S&T for Enabling the Circular Economy of Waste Biomass: Closing the Loop through focusing on Emerging Contaminants Posing Challenges for Valorization
SA1	A14	Vipin Kumar Sharma,	Technical assessment of various air quality parameters at mining & mineral processing industry and preventive measures for improvement
	A15	Ganesh Chandra Kisku*	ASSESSMENT OF URBAN AIR POLLUTION OF LUCKNOW CITY DURING PRE-MONSOON AND POST-MONSOON-2021
	A35	Rohit Dalal	Drone-Assisted Vertical Ambient Air Quality Monitoring with Low-Cost Sensors (LCS)
	A33	Shubham Bhatia	Exposure of students of Educational Institute to Indoor Air Pollutants: IIT Ropar a case study
	A46	Prashant Pandey	Improvement of Indoor Air Quality at workplace using indoor plants to enhance work productivity in organization
	A50	David Konwar	Physical characterization of aerosols in Indoor Environment
	A53	Navinya Chirmurkar	Assessment of aerosol emissions from non-cooking residential activities
	A55	Debayan Mandal	Indoor air quality in different microenvironments in a residential academic institute and comparison with outdoor air pollution
SA2	A4	Mohd Faisala	PM2.5 bound species variation and source characterization in the Second wave of the Covid-19 pandemic in Delhi-National Capital Region
	A36	Dr. Martin Rigler	APPORTIONMENT OF PRIMARY AND SECONDARY CARBONACEOUS AEROSOLS USING AN ADVANCED TOTAL CARBON-BLACK CARBON (TC-BC7-λ) METHOD
	A52	Vaishali Jain	Seasonal variation of NMVOCs with ozone formation potential at an urban site of Delhi, India
	A10	Pratibha Vishwakarma,	Chemical analysis of Ambient Particulate-bound Polycyclic Aromatic Hydrocarbons (PAHs) using GC-MS: Analytical Method Development from Indian Perspective

	A16	Muhammad Asif,	Chemical composition of winter fog in North Indian city
	A20	Mathew Sebastian1	Reduction in anthropogenic emissions suppressed new particle formation and growth: Insights from the COVID-19 lockdown
	A24	Vijay P. Kanawade1	Atmospheric new particle formation in India: Current understanding and knowledge gaps
SA3	A29	Priya Saxena1,2,	Assessment and chemical characterization of ambient air particulate matter of Lucknow city
	A17	Ankit Gupta1,	Trend of heavy metals present in ambient air of Lucknow City during Pre and Post Monsoon Season
	A7	Shruti Tripathi	Secondary pollutant levels in the residential region under the influence of traffic emissions
	A40	Md. Mustafa Ali	Black Carbon Quantification and contribution of real time key sources
	A45	Ajit Kumar	Individual Particle analysis of Atmospheric Aerosol over Delhi region
	A6	V. Varaprasad	Assessment of near-surface air pollutants at four different locations in Andhra Pradesh
	A11	Ujjawal Arora1,	Carbonaceous aerosols during monsoon at an urban background location in Mumbai, India
SA4	A2	Deepjyoti Das*; Pradip P. Kalbar; Nagendra R. Velaga	Can electrification of vehicles meet carbon budget targets of passenger transportation?
	A5	Aninda Bhattacharya1	Investigations on the variability and trend in heat waves and cold waves over India
	A9	AJAY BADUGU	SPATIO-TEMPORAL ANALYSIS FOR URBAN HEAT ISLAND EFFECT OVER TIRUCHIRAPALLI CITY AND DETECTION OF THERMAL COMFORT Zones
	A19	Debajit Sarkar	Seasonal shift and enhancement of extremities due to Climate change over India: A case study from Indo-Gangetic Basin (2005-17)
	A21	Shreya Dubey 1,	To understand the effect of filter substrates on oxidative potential through acellular assays
	A47	Aman Gupta	Effect of Ambient Particulate Matter (PM2.5) on Bacterial Growth Kinetics
	A49	Pradhi Rajeev	A comparative study of combustion derived polycyclic aromatic hydrocarbons (PAHs) from different sources.
SA5	A12	Nitin Goyal1	Source Apportionment Study of Mumbai to understand the particulate matter pollution sources in over a decade
	A13	Shyamal Bhunia1,	Modelling soot formation in turbulent kerosene/air co-flow diffusion flames
	A18	Pramodt Srinivasula (speaker),	Modeling airborne particles in vortices between convex electrodes
	A22	Sanhita Ghosha,	Modeling of inter-seasonal atmospheric radiative perturbation due to black carbon (BC) over India, in a chemical transport model (CHIMERE), with observation-constrained BC emission
	A41	Mukul Kumar	Simulating contribution of dust and anthropogenic aerosol to AOD over India using high resolution Chemical transport model WRF-CHIMERE
	A42	Kanishtha Dubey	Identification of critical locations for improvement of air quality developing a Prioritized Clean Air assessment tool (PCAT)
	A43	Rampunit kumar	The impact of covid-19 on air pollutants, developing machine learning tool to study pollutant concentration in the future year using global model CAMS of Jodhpur city in western India
	A57	Shrayasi Samanta1	Impact of surface urban heat island on fog holes over IGP