

SATHYABAMA INSTITUTE OF SCIENCE & TECHNOLOGY
RAJIV GANDHI ROAD, JEPPIAAR NAGAR, CHENNAI -119
4th INTERNATIONAL CONFERENCE ON “WASTE, ENERGY & ENVIRONMENT” (ICWEE-2024)
3rd – 5th July, 2024
PROGRAMME SCHEDULE

Day 1

Oral Session 1

Venue-1 Presentation Hall (First Floor, IRC) 3rd July, 2024 Time: 1:45 pm – 3:00 pm			
S. NO	MANUSCRIPT ID	PAPER TITLE	AUTHORS
1.	ICWEE-01	Novel biodegradable films from jamun seed and moringa leaf powder: synthesis and characterization synthesis and characterization	Malathy S
2.	ICWEE- 02	A Close to Climate Change: An Analysis on Fast Fashion and the Climate Crisis	Vaishnavi R
3.	ICWEE- 06	An investigation into the disposal and management of textile and fashion industry waste in Chennai.	Khushi Amruth
4.	ICWEE- 07	Study on the potential of CIBA-Plankton Plus on reduction of feed requirement in shrimp culture system	Debasis De
5.	ICWEE - 11	Sustainable Production of Green and Clean Steel with Zero GHG emission by Hydrogen Plasma Smelting Reduction Technique	Pravas Ranjan Behera
6.	ICWEE - 12	An Effective Bioremediation Approach for Enhanced Microbial Degradation of the Veterinary Antibiotic Sulfamethoxazole in Agricultural Soils	Saranya Kuppusamy

7.	ICWEE- 19	Assessing the Nutritional and Physiological Effects of Black Soldier Fly Larval Meal Inclusion in the Diet of Black Tiger Shrimp (<i>Penaeus monodon</i>)"	Dr. T. Sivaramakrishnan
8.	ICWEE- 20	Recycling fish waste into PlanktonPlus and HortiPlus: Sustainable livelihood model to double the income of coastal communities"	P.Mahalakshmi
9.	ICWEE- 28	Design, Simulation & Modelling of 1 MWh Battery Energy Storage System	Jashwin Sudarshan Ambhire
10.	ICWEE- 29	Performance Analysis of Battery Pack with Fire Retardant Resin	Rushikesh Rajendra Bansode
11.	ICWEE-39	Formulation of biological trickling filter (btf) with loofah sponge supported indigenous tannery effluent(te) microorganisms to mitigate heavymetals (hm).	santhiya j
12	ICWEE- 49	Plant Mediated Synthesis of AGNP from Mangrove (<i>Rhizophora stylosa</i>) Leaves and its Applications as Antimicrobial and Cytotoxic Agent	Thamanna K M
13	ICWEE-50	Effective Removal of Fluoride from Aqueous Solution onto High Surface Area Activated Carbon	Rupak Kishor
14	ICWEE- 46	Treatability study on Tannery wastewater by Electro Fenton process	M.S. Keerthanarani
15	ICWEE - 14	Effect of nozzle hole number on dual fuel mode operation with biodiesel blends by using surface response methodology	Venkatesan.S
16	ICWEE- 37	Generating Renewable Electricity from Food Waste	Anita Christaline. J N. Prem Sankar

DAY 2**Oral Session 2****ONLINE MODE**

Venue-1 Presentation Hall (First Floor, IRC) 4th July,2024 Time: 10:00 am – 12:00 noon		Join Zoom Meeting https://zoom.us/j/93739247235?pwd=VvS5cnKpWDv9j0ILEbKyZE7gVZkTfx.1 Meeting ID: 937 3924 7235 Passcode: 082581	
S. NO	MANUSCRIPT ID	PAPER TITLE	AUTHORS
1.	ICWEE- 26	Biological synthesis of surface engineered nanomaterials as adsorbents for effective Cr(VI) removal	Vijune Lawrence L
2.	ICWEE- 30	Sustainable Approaches to Photocatalytic Dye Degradation using Waste Materials	Swagata Pal
3.	ICWEE- 31	Thermodynamic Analysis and Taguchi Optimization of a Vapor Compression Refrigeration System.	Mr.Govarthanan Ravi
4.	ICWEE- 32	Indirect Heating in Biomass Pyrolysis: Energy Efficiency and Product Yield Analysis	M.MADHAN
5.	ICWEE-36	Analysis of lifetime of microbubbles coated with micro and nanoparticles	Kapil Mewara
6.	ICWEE- 38	Deflouridation of water using Tea ash	Sreetha Lekshmi
7.	ICWEE-40	Electrochemical performances of Fe-Co-Ni metal oxide Anchored on reduced graphene oxide for supercapacitor application	S.Pandimadevi Lishavi
8.	ICWEE- 41	Unveiling the Power of Nature: A Review of Nature-Based Solutions for Groundwater Management and Consumption	Shyam Mannil

9.	ICWEE- 42	<u>Assessing the Impact of Pesticide use on Indias Agriculture and Environment</u>	Pooja Dileep
10.	ICWEE- 45	Integrating Artificial Intelligence for Efficient Waste Sorting in a Small- Scale Waste Recycling Plant	Shreeram Narayanan
11.	ICWEE-47	Sustainable Alternatives to Stubble Burning in Agriculture	Radharapu Karthikeyan
12.	ICWEE- 16	Development of pectin-based bioplastic films – An approach towards Sustainable Development Goals	Dr. Y. K. Suneetha

DAY 3

Oral Session 3

Venue-1 Presentation Hall (First Floor, IRC) 5th July,2024 Time: 11:00 am – 12:30 pm			
S. NO	MANUSCRIPT ID	PAPER TITLE	AUTHORS
1.	ICWEE- 09	Integration of Digital Technologies as a Sustainable Solution for Plastic Waste Management in Indian Cities	Neethu Lal
2.	ICWEE - 10	Formulation and Evaluation of Papaya Shampoo from Leaves of Carcia Papaya with Antimicrobial Activity	Subalakshmi Rajagopal
3.	ICWEE-33	Chitosan Nanoparticles Loaded with Homeopathic Drug Nano Formulatons: A Comprehensive Evaluation of Anti- Infalammatory and Toxicity Activity	S.Revathi
4.	ICWEE-34	Evaluation of Anti-Inflammatory and Toxicity Effects of Chitosan Nanoparticle-Loaded Ultra-Dilution Homeopathic Drugs in Zebrafish (Danio rerio)	Dr Nibedita Dey
5.	ICWEE-35	Nutrient Analysis of WWTPS: A Comprehensive Analysis, Efficiency Evaluation and Comparison	Jayesh C C
6.	ICWEE- 03	Isolation And Characterization Of Hexavalent Chromium Resistant Bacteria From Metal Reducing And Electrogenic Bacteria Tannery Effluent And Their Subsequent Use In Microbial Fuel Cell As Potential Heavy	Vijay Samuel G
7.	ICWEE- 04	Sustainable synthesis of zsm-5 zeolite from rice husk ash : a comparative evaluation with commercial zsm-5	Aasthiya B
8.	ICWEE- 05	The impact of iron oxide nanoparticles on crude oil biodegradation with bacterial consortium	Suganya K

9.	ICWEE- 08	Efficient Extraction of Uranium From Aqueous Solutions Using Biowaste Derived Hydroxyapatite Based Nanocomposite: A Sustainable Approach	N. Priyadarshini
10.	ICWEE - 13	Effect of fish waste hydrolysate on the growth of grey mullet, Mugil cephalus in enhanced culture system	Sandeep K.P
11	ICWEE- 15	Co-pyrolysis kinetic study of waste plastic and biomass material	Naga Sai Sree Ram Malladi
12	ICWEE-17	Studies on Treatment of Polluted Water	Vijay Samuel G
13	ICWEE-18	Biofilm inhibition efficacy of Agave sisalana leaves extracts against a bacterial consortium in cooling water system	Suha Ibrahim
14	ICWEE-55	Bioconversion of Agro-industrial wastes into value added product by using Bio-processing Technology – A Review	Dr. Sheela Devi
15	ICWEE-56	Wastewater Management and Environmental Health	Subashmathi P

DAY 3**Oral Session 4**

Venue-2 Senate Hall (IRC-Ground Floor) 5th July, 2024 Time: 11:00 am – 12:30 pm			
S.NO	MANUSCRIPT ID	PAPER TITLE	AUTHORS
1	ICWEE- 21	NiO/CdS-Bi ₂ MoO ₆ Ternary Nanocomposite with Heterogeneous Interfaces for the Enhanced Photocatalytic Hydrogen Production under Solar Light	Dr. M. Mahalakshmi
2	ICWEE- 22	Exploring the antifungal potential: A comparative study of five seagrass species	Hazeena M Ameen
3	ICWEE- 23	Effect of porous medium on splitting of bubbles for aeration process	Omprabha K C
4	ICWEE- 24	Emergency Management in Factories Handling, Storing and Processing Hazardous Chemicals	Govindarajan R
5	ICWEE- 25	Statistical Analysis of the Factors Influencing the Safety and Health Management System in the Petroleum and Fuel Oil Industries	Govindarajan R
6	ICWEE- 43	Hydrothermal Liquefaction using a shrinking core approach- Impact of the catalyst for Bio-oil production	Thirumala Kumar
7	ICWEE- 48	Production and Characterization of Violacein Pigment from marine bacteria <i>Chromobacterium violaceum</i> MBP-3	Nadiya Parveen
8	ICWEE-44	Seasonal and Climatic Variations in Dairy Industry Effluent:	A S Anitha

		Impacts on Wastewater Management and Environmental Health	
9	ICWEE- 51	Trimethyl Propyl Ammonium Bis(trifluoromethanesulfonyl)imide as a Novel Ionic Liquid for CO ₂ Absorption in Post-Combustion Carbon Capture	Dhanalakshmi J
10	ICWEE-52	Exploration and optimization of dual gate carbon nano tube field effect transistor (DG CNTFET) device characteristics for gas sensing Applications"	Ragavi Natarajan
11	ICWEE-53	Assessment of Heavy Metal Pollution of River waters of Srikakulam district, Andhra Pradesh, India	CH.V. Saikrishna
12	ICWEE- 54	Polymeric membrane based processes for heavy metals	Suneeta Kumari