

Track – 1 Pre-treatment and Removal of contamination from the water**Day - 1 (11/03/2023)****Session Time: 15:00 to 17:30**

Track ID	Presenter Name	Paper Title
Water-001	Mr.Madhav Prajapati	A review study on biochar characteristics in removing pollutants from waste water
Water-002	Dr. Anirbid Sircar	Rare Earth Element extraction from Geothermal brine using Hybrid Capacitive-deionisation process
Water-003	Miss. Gunjakumari Harilal Tandel	Effect of Chromophore Group on the Zero Valent Iron Decolorization Efficiency: Comparison of RR106 and RR120 Azo Dye Decolorization
Water-004	Niralee Patel, Dr. Abhipsa Makwana	Electrochemical Decolorization of RR120 Using Lab Prepared Mixed Metal Oxide Electrode: Comparison of NaCl and Na ₂ SO ₄ as a Supporting Electrolyte
Water-005	Shivam Sharma, Prachi choudhary	Bioremediation of Environmental Pollutants using White rot Fungi
Water-006	Mr. NAIR NIRAJKUMAR GANGADHARAN	Photocatalytic degradation of levofloxacin by GO-TiO ₂ under visible light.
Water-007	Prasad Shivaji Bongarde	Recent advances in Chemical Oxygen Demand Detection Techniques: A Perspective
Water-008	Mr. Kashyap Rakeshbhai Tailor	Effect of Different Doses of Gamma-Ray Irradiation on Performance of Polysulfone Ultrafiltration Membrane

Track – 2 Pre-treatment – Adsorption**Day - 1 (11/03/2023)****Session Time: 15:00 to 17:30**

Track ID	Presenter Name	Paper Title
Water-009	Mrs.Poonam Ramchandra Mandale	Adsorption of malachite green dye from aqueous solution on the bioadsorbent as low-cost adsorbent
Water-010	DR ANIRBID SIRCAR	Efficient removal of a food dye from wastewater onto coconut coir dust and its comparative illustration with other low-cost adsorbents
Water-011	Sai Kumar Kuruva	Fluoride Removal from Aqueous Solution Using Thermally Activated Dolomite Powder as Adsorbent
Water-012	Devesh Pardhi, Gautam Lunkad and Gayatri Gawande	Study Of Degradation Of Acid Violet 7 Dye Using Oxidising Agents And Ultrasonication
Water-013	Dr. Abhipsa Rajiv Makwana	Decolorization of Reactive Red 120 Dye Simulated Wastewater using UV/H ₂ O ₂ Photolysis Process: Effect of Process Variables and Optimization using Response Surface Methodology
Water-014	Dr. Kosha Shah	Treatment of Acid yellow 36 dye synthetic wastewater using low cost waste agricultural materials for deriving activated carbon
Water-015	Dr. Sivakumar Pandian	Recent Advancements in Engineered Adsorbents for the Removal of Heavy Metals from Wastewater
Water-016	PRITAM SANTOSH BHATKAR	Adsorption of Corafix Black Dye Using Mechanically Reclaimed Sand as an Adsorbent for the Textile Wastewater Treatment

Track – 3 Challenges and Opportunities: Wastewater Treatment

Day - 1 (11/03/2023)

Session Time: 15:00 to 17:30

Track ID	Presenter Name	Paper Title
Water-017	Miss Sunskrati pandey	Application of MOFs in membrane modification for treatment of waste water: A review
Water-018	AAKANKSHARAJE GAEKWAD	CETP Wastewater Treatment Using Polyaniline Nanocomposite
Water-019	Tanya Srivastava, Jyoti Sharma	Utilizing agricultural waste derived nanoparticles for wastewater treatment: A synergistic step toward circularity and sustainability
Water-020	Ms. Dhyan Vadgama	A Study of Theoretical Mechanism on Wastewater components of Paper Industry with OH radical and Atmosphere
Water-021	Mrs. Neenu P Raju	Emergence of Antibiotic Resistant Bacteria in Wastewater
Water-022	Mr Bala Venkata Praveen Inala	Common Effluent Wastewater Treatment by using Advanced Oxidation Process
Water-023	AMARJA ANIL PANDAV	Experimental Study of Treatment of Kitchen Waste Water Using Rice Husk Ash
Water-024	Miss. Pratiksha Prakash Patil	Electrochemical Coagulation of Wastewater Using Aerial Roots of Banyan Tree as Adsorbent
Water-025	Mr. Sandesh Satishkumar Chougule	Hydrodynamic Cavitation as a promising AOP for Dairy Wastewater Treatment

Track – 4 Desalination technologies

Day - 1 (11/03/2023)

Session Time: 15:00 to 17:30

Track ID	Presenter Name	Paper Title
Water-026	Mr. Jay Dhorawala	EMERGING WATER DESALINATION TECHNOLOGIES: CURRENT STATUS, CHALLENGES, AND FUTURE TRENDS.
Water-027	Sourav Santara	Geothermal Desalination: A comparative analysis between RO, MSF, VCD, and MED
Water-028	Dr Vikas Lakhera	Energy and Exergy Analysis of Solar Still with Phase Change Materials (PCM) in the Climatic Conditions of India
Water-029	Mr. Rajeshwar Keshavrao Kholapure	Breaking of Butyric acid-Water Azeotrope: Experimental Analysis on Air Gap Membrane Distillation
Water-030	Miss Divya Gaur	Toluene-Water removal from synthetic water using Air Gap Membrane Distillation
Water-031	Nishant K	Membrane Desalination of Waste Water for the Contaminant Removal and Reduction of Fouling
Water-032	Dr Hitesh Panchal	Investigation on Desalination system with help of IoT and cloud based system
Water-033	Dr Hitesh Panchal	Analysis of the Desalination system by Machine learning algorithm
Water-034	Mr. Vijay Mehta	Performance enhancement of single slope solar still integrated with nanoparticles/Nano fluids & Phase Change Material – A detail review

Track – 5 Pre-treatment and Removal of contamination from the water**Day - 2 (12/03/2023)****Session Time: 09:30 to 13:00**

Track ID	Presenter Name	Paper Title
Water-035	Mr. Dhruvin Ashokbhai Sojitra	Sustainable Treatment Techniques for the Augmentation of a Common Effluent Treatment Plant
Water-036	Dr. Sivakumar Pandian	Kinetic and Thermodynamic Studies on the Removal of Phenol from Stimulated Refinery Effluent
Water-037	Mr. Amitkumar A. Mehta	Possible barriers in execution of STP at the affordable housing in Ahmedabad City: An Empirical Study on finding the gap related to the execution of STP
Water-038	Dr. R. Balasubramanian	Kinetic and Thermodynamic Studies of Cr (VI) Bio-sorption for Tannery Effluent Treatment
Water-039	Miss Arunima Singh	Regression based analysis of a Fe catalyzed ozone-based process for degradation of pharmaceutical
Water-040	Miss. Janki Jagani	Polysulfone membrane modified with ZIF-8/PEGMA for the removal of organic matter from the wastewater
Water-041	Zarina Lehal, DR Neetu Divya, Dr Renu Gupta	Review on the synthesis of the Mg Doped thin film by Spin Coating and their application in dye degradation

Track – 6 Challenges and Opportunities: Wastewater Treatment

Day – 2 (12/03/2023)

Session Time: 09:30 to 13:00

Track ID	Presenter Name	Paper Title
Water-042	Robin Singh	A REVIEW ON CHEMICAL APPROACHES FOR WASTEWATER TREATMENTS
Water-043	Dr. Jatin Patel	Potential of Moringa Oliefera for waste water treatment
Water-044	Dr. Nimish Shah	Synthesis and Application of modified biopolymer for Wastewater Treatment
Water-045	Mr. Nirav Prajapati	Use of hybrid techniques in biodiesel for wastewater treatment application
Water-046	Dr. Swambabu Varanasi	Novel nanocellulose composites for the degradation of azithromycin in wastewater
Water-047	Miss Shruti A. Haldankar	Novel Hydrodynamic Cavitation Reactor for Sewage Water Treatment
Water-048	Dr. Ravi Tejasvi	Advanced photocatalytic oxidation of organic water pollutant dyes by synergistic augmentation of electrochemical water splitting
Water-049	Dr. Kavita Khatana	Preparation of novel adsorptive membrane using spent spices waste-derived biochar to treat synthetic wastewater

Track – 7 Water Management

Day - 2 (12/03/2023)

Session Time: 09:30 to 13:00

Track ID	Presenter Name	Paper Title
Water-050	Mr. Sagar Aditya	A review on the quality and yield improvement of tea through water treatment , management, and the control of other relevant parameters in the tea gardens.
Water-051	Mrs Dhanashri Pendse	A comprehensive study on integrated approach for water hyacinth management to conserve natural water resources in India
Water-052	Miss Niyati Mevada	Analyzing Regional Heterogeneity of Monsoon in Western Regions of India for Water Management
Water-053	Miss Devashri Gandhi	Role of Environmental Social Governance (ESG) in the water industry
Water-054	Dr. Shibani Chourushi	Flood Risk Management using HecRAS model for the planning of Artificial Levees as a Structural measure: A Case Study of Upper Sabarmati River Basin, Gujarat, India
Water-055	DIPTI CHRISTIAN	A Study on the Presence of Endocrine Disrupting Chemicals (EDC) in Water, Health Impacts and its Treatability
Water-056	Mr. Keval H Jodhani	Identification of Sensitive Region by Short Term Shoreline Change Analysis over Gulf of Khambhat, Gujarat
Water-057	Mr. Vishal Chandole	Assessment of long-term Rainfall trend in Tapi river basin using the IMD gridded data
Water-058	Dr. Reena Singh	Effect of corrosion rate on material's chemical composition

Track – 8 Industrial Wastewater treatment

Day - 2 (12/03/2023)

Session Time: 09:30 to 13:00

Track ID	Presenter Name	Paper Title
Water-059	Dr. Kriti Yadav	Geothermal water quality assessment for industrial, irrigation and domestic purpose: Case Study from Savarkundla and Lasundra, Gujarat, India
Water-060	Miss. Tirtha Trivedi	DECOLORIZATION OF TEXTILE WASTEWATER USING ELECTROCOAGULATION PROCESS.
Water-061	Miss Sanjana Anil Hibare	Experimental Analysis for Removal of Pb & Cu from Industrial Wastewater by using Low cost Adsorbent .i.e Banana peel Cu b
Water-062	HARI DESAI	Pillared Clays for Treatment of Textile Wastewater
Water-063	ABD ALMASEEH YACOUB	Atmospheric Plasma Technology for Sustainable Wet Processing of Textiles
Water-064	Mr. Chintan Vikas Bhalerao	Solar Photocatalytic Dye Degradation using Zinc Orthotitanate as a Photocatalyst
Water-065	Dr. Shilpa Pandey	Modelling sorption of arsenic by ceramic water filter fabricated from Soil of Rajasthan
Water-066	Mr. Shubham Kela	Treatment of domestic and industrial wastewater through Phytoremediation: A Review

Track – 9 Water Treatment

Day - 2 (12/03/2023)

Session Time: 15:00 to 17:30

Track ID	Presenter Name	Paper Title
Water-067	Miss Susmita Marandi	Fluoride removal from groundwater using fish scales derived biochar.
Water-068	Vaishnavi Pandey	Extraction of Geothermal Water using Directed Energy Method of Millimeter Wave Technology
Water-069	Dr. Sanskriti S. Mujumdar	Integrated Assessment of Ground Water of Dudhwada Village of Padra Taluka with Special Reference to Industrial Pollution
Water-070	Mr.Yash Dilip Nahata	Hydrodynamic Cavitation- A Promising Technology For Water Treatment
Water-071	Miss Divya Dixit	Implementation of SWASTIIK Technology for Providing Safe Drinking Water- Devising Newer Methodologies
Water-072	Mr. Mohd Rehan	Impact of Anthropogenic pollution on shallow groundwater
Water-073	Dr. Mayurkumar A. Makhesana	Applicability of nanomaterials in water and waste-water treatment: A state-of-the-art review and future perspectives

Track – 10 Industrial Wastewater treatment

Day - 2 (12/03/2023)

Session Time: 15:00 to 17:30

Track ID	Presenter Name	Paper Title
Water-074	Khushbu Patel	Utilizing agricultural waste-derived activated carbon ash to treat industrial waste water
Water-075	Miss. Priydarshni Porwal	Effect of anaerobic degradation on different parameters of three different Ratios of textile dye wastewater to glucose using a batch reactor
Water-076	Mr. Chintan Madhu	Reducing the Effluent Load by Coating Hygiene Textile with Microencapsulated AA, ACN Based SAP
Water-077	Mr. Rajesh Bhagat	Removal of Copper from Industrial Wastewater by Developed Composite Adsorbents
Water-078	Dr. Rama Gaur	MAX-CdS hybrid Nanocomposite as an Effective Photocatalyst for the Degradation of Toxic Industrial Dyes
Water-079	Dr. Varsha Mudgal	Treatment of Domestic and Industrial Wastewater with Constructed Wetland - A Review
Water-080	Aarzo Jobanputra	A Comprehensive Review on Different Treatment Methods of Oilfield Produced Water
Water-081	Om Patel	Characteristics Analysis of Oil and Gas Industry Wastewater from Bakrol Field

Track – 11 Water Management

Day - 2 (12/03/2023)

Session Time: 15:00 to 17:30

Track ID	Presenter Name	Paper Title
Water-082	Bansi D. Raja	Comparative performance of R600a and R290 adopted in two stage vapour compression refrigeration system based on Exergy analysis
Water-083	Miss Vaishvi Shah	Machine Learning Based Predictive Models for Water Quality Index - An Analysis and Comparison
Water-084	Mr. Tushar Das	Groundwater Quality Evaluation Using Various Heavy Metal Indices-Based Method & Associated Health Risk Assessment
Water-085	Miss Jagriti Patel	Potential impacts of landfill leachate on the quality of groundwater bodies
Water-086	Neha Patel	Insights of Ground water quality assessment methods- A Review
Water-087	Mr. Jaydeep M. Jivani	Water Network Optimization with Wastewater Recycle and Treatment in Multipurpose Batch Plant Facility
Water-088	Dhruvit Joshi	Fuzzy Rule Based Evaluation of Water Quality Index
Water-089	Ms. Manisha Wakle	The Sulfate Radical Generation and Optimization of Parameters Through a UV-based Technique
Water-090	Dr. Vivek Jaiswal	Air Quality Index management of a Medium-Sized Community space through Nature-based solutions in Gurugram, Haryana

Track – 12 Water Management

Day - 2 (12/03/2023)

Session Time: 15:00 to 17:30

Track ID	Presenter Name	Paper Title
Water-091	Mr. Daksh H. Soni	Identifying climate hotspots from spatio-temporal trends in exposure indicators for southern agro-climatic zone of Gujarat state, India
Water-092	Kavit Shah	Machine Learning based water quality assessment for Canal and ground water in India
Water-093	Mr. Gaurav Kumar	Surface Water Quality Assessment of Lakhisarai Stretch of Kiul River in Bihar
Water-094	Dr ANIRBID SIRCAR	A Conceptual model of the Tulsishyam Hotspring geothermal system, Gujarat, India
Water-095	OM SADUL , HARSH RATHI	A Review On Challenges, Operating Condition, Configuration and Environmental Impact of EV's Battery Disposal on Water Bodies
Water-096	Dr. Amrita Chakraborty	Water Consciousness and Indian Cinema: A Textual and Critical Discourse Analysis of Select Hindi Language Movies
Water-097	Soni Nayankumar Pravinchandra	Analysis of Ground water quality in the coastal stretch of Bhavnagar, Gujarat
Water-098	Dr. Rajesh Goyal	Critical Analysis of Environmental Issues of Ken-Betwa River Linking Projects

Track – 13 Poster**Day – 1 & 2 (11/03/2023 and 12/03/2023)****Session Time: 14:00 to 15:00**

Track ID	Presenter Name	Paper Title
Poster-1	Miss Mansi Desai	Arsenic removal from wastewaters via electrocoagulation process using Co/MoS ₂ /conducting polymer composites electrocatalyst
Poster-2	Miss Ishita Undhad	Removal of phosphate from wastewater by electrocoagulation process
Poster-3	Miss Hiral Mistry	Removal of synthetic azo dyes from wastewater through application of electro-Fenton and photo-fenton process
Poster-4	Mr. ALAGARSAMY G	Electrochemical Deposition of TiO ₂ on Al plates: An insight on the deposition of Ti from Redmud
Poster-5	Dr. Angelin Ebanazar John	Reusable Fe ₃ O ₄ - TiO ₂ Magnetic photocatalyst for organic dye removal from textile effluent
Poster-6	Mr. Shishir Raut	Numerical investigations of hydrodynamic cavitation for wastewater treatment: From bubble dynamics to novel cavitating reactor
Poster-7	Mr. Pradip Jadhao	Synthesis and characterization of CaMnO ₃ for peroxydisulfate activation and its application to the degradation of chlorinated pesticide in water
Poster-8	Monika Chhimwal	Bacterial community analysis of Rangori spring of Uttarakhand, India by 16S-rRNA Gene sequencing
Poster-9	Mr. Krunal Baria	Treatment of waste water using conducting polymer/magnetite based magnetic adsorbent materials
Poster-10	Mr. Krunal Parekh	A facile approach for refining waste lubricant oil: a hazardous water contaminant
Poster-11	Miss Veena Sodha	Adsorption of cationic dyes and heavy metal ions on zeolite HY from aqueous solution
Poster-12	Miss Megha Parmar	Synthesis and characterization of Zeolite 4A for waste water treatment
Poster-13	Miss. Patel Jinal Rajeshbhai	Modification of Graphene as an Effective Photo-Driven Catalyst for Photo-assisted Degradation of Chlorpyrifos

Poster-14	Miss Zenab Darban	Polyaniline/ Sodium Alginate (PANI/SA) composites as an efficient adsorbent for Cr (VI) removal
Poster-15	Mr. Saketh Bharthipudi	Wastewater treatment through bio-coagulant and uses of treated water in construction sector
Poster-16	Miss Jyoti Katiyar	Optimizing the Impact of Operating Parameters on Hydrodynamic Cavitation for Methylene Blue Degradation
Poster-17	Miss Ayushi Mishra	Optimization of Photocatalytic Reactor for Color Removal using different Substrates and Sensitizers.