

Track 1 Pre-treatment and Removal of contamination from the water

Online: 3 Papers

Invited Lecture - Prof. Maria Kennedy

Chair: Prof. Maria Kennedy

Co-Chair: Dr. Achinta Bera & Dr. Dsilva Winfred Rufuss

Moderator: Jaydeep & Prabhat

Submission ID	Track ID	Author Name	Paper Title	Email ID	Contact No	Designation	Organization/ Institution	mode of presentation	attending	Sign
42	Water-001	Juhi Rani and Biswajit Paul	Challenges in Arid Region Reclamation with special reference to Indian Thar desert and its conservation and remediation techniques	juhi.17dr000636@ese.iitism.ac.in	9661504688	Research Scholar	IIT(ISM)Dhanbad	Oral	Online	
60	Water-002	Maulik Arvindbhai Modi and Dr. Tushar M Patel	Determination of Plastic Pyrolysis Oil by high performance liquid chromatography (HPCL)	maulikmodi325@gmail.com	9726650562	PhD Scholar	KSV UNIVERSITY, GANDHINAGAR	Oral	Online	
100	Water-003	Madala Naga Rajani, Dasari Kiran Kumar and Vuruti Nageswar Rao	Biosorption of Parthenium Stem Powder for Removal of Lead and Optimized by using Box -Behnken Design	nagarajani0607@gmail.com	9849268535		Andhra University College of Engineering	Oral		
2	Water-004	Mumtaz Gulamhussein, Bharti Saini and Anirban Dey	Removal of Pharmaceutical Contaminants through Membrane Bioreactor	mumtazgulamhussein@gmail.com	Wts: +255699534051 +916355749970					
3	Water-005	Vaishali Umrigar and Divyesh Kakadiya	Removal of Toxic Metals from Wastewater by Using Dendritic Fibrous Nanosilica (DFNS)	vaishali.umrigar@scet.ac.in	9879150433	Assistant Professor	Sarvajanik College of Engineering & Technology	Oral	Offline at PDEU	
30	Water-006	Shruti Chaudhari and Dr. Prakash Samnani	Determination of Microplastics in Pond water	Shruti2chaudhari@gmail.com	9723727990	Research scholar	THE MAHARAJA SAYAJIRAO UNIVERSITY OF BARODA	Oral	Offline at PDEU	
62	Water-008	Mistry Mitali, Valia Nihar, M A Shabiimam and Kandya Anurag	Advance Oxidation Techniques for Treatment of Oil Refinery Effluent: A Review	nihar.vmten21@sot.pdpu.ac.in	9904141414	student	pdpu	Oral	Offline at PDEU	
87	Water-009	Shailee Gaur, Aditya Sahani, Pradipta Chattopadhyay and Amit Jain	Remediation of Waste Engine Oil Contaminated Soil Using Biosurfactant Based Detergent Formulation	amitjain@pilani.bits-pilani.ac.in	9950676506	Assistant Professor	Birla Institute of Technology and Science (BITS), Pilani - Pilani Campus	Oral	Offline at PDEU	
88	Water-010	Vamshi Krishna Mukkera, Srivani Katuri and Usha Sri Musham	Biodegradation of Chrysophenine GX using Candida Albicans (NCIM 3665)	kvamshi93@gmail.com	9440695499	Research Scholar	National Institute of Technology Warangal	Oral	Offline at PDEU	
127	Water-011	R.V. Saikumar Reddy, B.V.S. Praveen, Narayan Chandra Pradhan and Lakshmana Rao Jeeru	Removal of Water Hardness Using Zeolite Synthesised From Fly Ash	lakshmanarao.jeeru.spt.pdpu.ac.in	8341608666	Assistant Professor	Pandit Deendayal Energy University	Oral	Offline at PDEU	
166	Water-012	Reema Mandal and Anirban Das	Fluoride in Groundwater: Approach to Health Perspectives	reema.mphd16@sot.pdpu.ac.in	7046976002	Research Scholar	Pandit Deendayal Energy University	Oral	Offline at PDEU	
192	Water-013	Janhavi Ingle and Upendra Patel	Catalytic Electrochemical reduction of nitrate in the presence of Ag-PVA beads	ji.jingle95@gmail.com	8980043772	Research Scholar	The Maharaja Sayajirao University of Baroda	Oral	Offline at PDEU	
97	Water-0156	Mahak Kushwaha, Sonu Kumari, Neha Singh and Suphiya Khan	Effective Remediation of Acid Blue-113 Dye through Al/GO cellulose based 3D-hydrogel	kmahak372@gmail.com						

Track – 2 Pre-treatment – Adsorption

Online: 7 Papers

Session 2

Invited Lecture - Dr. Suphiya Khan

Chair: Dr. Suphiya Khan

Co-Chair: Dr. Madhavan N

Moderator: Milind & Piyush

Submission ID	Track ID	Author Name	Paper Title	Email ID	Contact No	Designation	Organization/ Institution	mode of presentation	attending	Sign
110	WATER-129	Tanvi Kothawade and Shailendra Naik	Reuse of Produced Water as Injection Water	tanvikothawade@gmail.com	9604323121	MTech-Student	MIT World Peace University, Pune	Oral	Online	
4	WATER-014	Mohd Danish, Khursheed B. Ansari and Mohammad Danish	Pore volume and surface diffusion model to characterize batch adsorption of Cu (II) over chemically modified Cucurbita moschata biosorbent: Simulation using gPROMS	mdanish357@gmail.com	7417479765	Research Scholar	Aligarh Muslim University	Oral	Online	
31	WATER-015	Prajakta Ramteke, Asmita Jadhav, Sunit Kumar Singh, Petra Ecorchard and Nitin Labhasetwar	Efficient Selenium Removal from Water using Iron-based Mixed Oxide Adsorbents	prajaktaramteke95@gmail.com	9284075423	Research Scholar	CSIR-National Environmental Engineering Research Institute	Oral	Online	
33	WATER-016	Kirtee Dalve, Anuja Patil, Foram Malde, Harsh Murali, Aayush Iyer, Safina Saradar, Niraj Topare, Shantini Bokil, Vishnu Choudhari and Anish Khan	Applicability of Various Adsorbents for Removal of Dyes from Wastewater: A Review	niraj.topare@mitwpu.edu.in	8983056527	Assistant Professor	School of Chemical Engineering, Dr. Vishwanath Karad MIT World Peace University, Pune-411038, India	Oral	Online	
45	WATER-017	Niraj Topare, Sunita Raut-Jadhav, Shantini Bokil and Anish Khan	Orange Peel Activated Carbon Produced from Waste Orange Peels for Adsorption of Methyl Red	niraj.topare@mitwpu.edu.in	8983056527	Assistant Professor	School of Chemical Engineering, MIT World Peace University, Pune-411038, India	Oral	Online	
79	WATER-018	Mugdha Bichave, Akshata Kature, Shreya Koranne, Rutuja Shinde, Akhila Gogle, Vishnu Choudhari, Niraj Topare and Shantini Bokil	Nano-Metal Oxides-Activated Carbons for Dye Removal: A Review	vishnu.choudhari@mitwpu.edu.in	8855872708	Associate Professor	School of Pharmacy, Dr. Vishwanath Karad MIT World Peace University, Pune-411038, India	Oral	Online	
89	WATER-019	Misbah Bashir, Chander Mohan and Ajit Annachhatre	Adsorption and regeneration of pine bark biochar using bio-sulfide precipitation of copper	d18055@students.iitmandi.ac.in	9653485853	Ph.D. Scholar	IIT Mandi	Oral	Online	
81	WATER-020	Yennam Rajesh, Ganesh Dabhade, Gaurav Daware and Lakshmana Rao Jeeru	Role of Cationic Surfactants in Palladium Adsorption of Commercial Ion-Exchange Resins Using Electroless Plating Solutions	yennamrajesh@kkwagh.edu.in	7981866382	Assistant Professor	K.K. WAGH I.E.E AND R NASAIK	Oral	Offline at PDEU	
94	WATER-021	B V S Praveen, G. Srinivas, R.V. Saikumar Reddy and Lakshmana Rao Jeeru	Extraction of Silica from Rice Husk Ash and Its Potential Application for the Adsorption of Methylene Blue	Lakshmanarao.jeeru@spt.pdpu.ac.in	8341608666	Assistant Professor	Pandit Deendayal Energy University	Oral	Offline at PDEU	
138	WATER-022	Ariadna Claret Carles, Cristina Yacoub Lopez and Anurag Mudgal	Social Life Cycle Impact Assessment applied to the implementation of new technologies for groundwater and recycled water use as drinking water in state of Gujarat, India (INDIA-H2O Project)	aclaret@leitat.org	+34646570491	Researcher	LEITAT	Oral	Offline at PDEU	
144	WATER-023	Namrata Thakkar, Bhumi Patel, Falak Patel, Karn Kavathia, Trushil Patel and Vishvesh Badheka	Water Reclamation Techniques – A Review	namrata.tmc18@sot.pdpu.ac.in	9714657073	Student	Pandit Deendayal Energy University	Oral	Offline at PDEU	

175	WATER-024	Gabriela Cuadrado-Quesada, Maitreyi Koduganti Venkata and Cristina Yacoub Lopez	Rethinking groundwater in(justice): some reflections from Lodhva, Gujarat	g.quesada@un-ihe.org	+31 629592944	Senior Lecturer	IHE-Delft	Oral	Offline at PDEU	
117	WATER-025	Sampurna Nandy, Divya Kalra and Atya Kapley	Designing efficient floating bed options for treatment of eutrophic water	sam.nandy12@gmail.com	8390484344	SRF	CSIR-NEERI	Poster	Online	

Track – 3 Challenges and Opportunities: Wastewater Treatment

Online: 5 Papers

Invited Lecture - Prof. R.K. Srivastava

Chair: Prof. R.K. Srivastava

Co-Chair: Dr Manoj Kumar Pandey

Moderator: Dharmik and Omar

Submission ID	Track ID	Author Name	Paper Title	Email ID	Contact No	Designation	Organization/ Institution	mode of presentation	attending	Sign
53	WATER-026	Nikhil Chandorkar, Avinash Lad, Dinesh Bhutada and Prafulla Bansod	A Review on Challenges, Operating Condition, Configuration and Environmental Impact of Membrane Bioreactor for Wastewater Treatment:	ns.chandorkar314@gmail.com	8999550518	Post graduate student (MTech Chemical)	MIT-World Peace University	Oral	Online	
73	WATER-027	Dinesh Bhutada, Pallavi Shindikar and Jaya Suryawanshi	A short review on Role of Nanomaterials in Wastewater Treatment: Potential applications and inference	pallavi.shindikar@gmail.com	7798712932	Asst. Prof.	Maharashtra Institute of Technology	Oral	Online	
77	WATER-028	Md Abdul Hakim, Katuska Savillano, Hendrik Ewerts, Jack Van de Vossenber and Peter Van Der Steen	Development of Microalgal-Bacterial Aerobic Granules for Ammonium Removal From Wastewater in a Photo Sequencing Batch Reactor	hakimeshm08@gmail.com	+8801738127010	Research Student	IHE Delft Institute for Water Education	Oral	Online	
82	WATER-029	ya Faizel and Arya Vijayanand	Fluorescence spectroscopy for real-time wastewater quality monitoring.	hayahfaizel@gmail.com	9400457340	Student (MS(R))	IIT Delhi	Oral	Online	
161	WATER-030	Anuj Saini and Dharmendra	Strengthening the life cycle of salt bridge to improve the performance of MFC.	20mce404@nith.ac.in	8700911789	M. Tech Student	NIT Hamirpur	Oral	Online	
7	WATER-031	Manav Patel, Anirban Dey, Bharti Saini and Himanshu Choksi	Coal Fly Ash Derived Adsorbent For Enhancing Waste Water Treatment	manav.pmtcm20@sot.pdpu.ac.in	9081679932	Mtech	PDEU	Oral		
17	WATER-032	Debasis Sarkar	Life-Cycle-Costing Analysis of Grey Water Recycling Systems for Commercial and Residential Projects of Ahmedabad, India	debasis.sarkar@sot.pdpu.ac.in	9825684176	Associate Professor	Pandit Deendayal Energy University	Oral	Offline at PDEU	
22	WATER-033	D Arivukkarasu and R Sathyanathan	Floating wetland treatment an ecological approach for the treatment of water and wastewater – A Review	arivukkarasu1981@gmail.com	9894287884	Research Scholar	SRM Institute of Science and Technology	Oral	Offline at PDEU	
26	WATER-034	Sadhan Kumar Ghosh, Dineshkumar M and Prasanta Kumar Dey	Water Circularity Through Decentralized Wastewater Treatment Promoting SDG-6	sadhankghosh9@gmail.com						
51	WATER-035	Krishna Neeti, Reena Singh and Shaz Ahmad	The role of green nanomaterials as effective adsorbents and applications in wastewater treatment	reena@nitp.ac.in	9006463991	Assistant Professor	Assistant Professor/ National Institute of Technology Patna	Oral	Offline at PDEU	
54	WATER-036	Brian Mwigo, Disha Suthar, Mumtaz Aliraza, Manish Kumar Sinha, Surendra Sasikumar Jampa and Smit Vala	Implementation and utilization of Zeolitic imidazolate frameworks (ZIFs) based membranes in waste water treatment: A review	disha.sch18@sot.pdpu.ac.in	9265607756	B-Tech student	PDEU	Oral	Offline at PDEU	
76	WATER-037	Anupam Mukherjee, Birupakshya Mishra, Aditi Mullick, Subhankar Roy and Siddhartha Moulik	Study on Hydrodynamic Cavitation induced Degradation of Norfloxacin: Synergistic Effects of Integrated Advanced Oxidation Processes	subhankar.roy@sot.pdpu.ac.in	9892714617	Assistant Professor	Pandit Deendayal Energy University	Oral	Offline at PDEU	
112	WATER-038	Anuradha Awasthi, Kavita Gandhi and Sadhana Rayalu	Carbon nanomaterials for facilitated solar-powered wastewater treatment	anu17awasthi@gmail.com	7391050007	CSIR-SENIOR RESEARCH FELLOW	CSIR-NEERI NAGPUR	Oral	Offline at PDEU	
90	WATER-125	Rajesh Kumar Jain, Rajesh Goyal and Dulal Goldar	Socio-economic impact of interlinking of rivers (ILR) using social accounting matrix (SAM) based model	rgoyal@nicmar.ac.in	7015724121	Professsor and Dean	National Institute of Constuction Management and Reseach (NICMAR)	Oral	Offline at PDEU	

Track – 4 Desalination technologies

Online: 6 Papers

Invited Lecture - Dr. Jaichander Swaminathan

Chair: Dr. Jorg Vogel

Co-Chair: Dr. Jatin Patel

Moderator: Tapan & Sarthak

Submission ID	Track ID	Author Name	Paper Title	Email ID	Contact No	Designation	Organization/ Institution	mode of presentation	attending	Sign
59	WATER-039	Krunalkumar B Patel and Tushar Patel	Comparative analysis of single basin stepped and conventional solar desalination system	krunalpatel31185@gmail.com	8160341648	PhD Scholar	KSV UNIVERSITY, GANDHINAGAR	Oral	Online	
67	WATER-040	Nipu Kumar Das, Dr. Papu Kumar Naik, Prof. Tamal Banerjee and Prof. Surya Sarathi Bose	Thermophysical properties for MWCNT based Phosphonium Eutectic Nanofluid: An Emerging Heat Transfer Media for Solar Desalination System	tamalb@iitg.ac.in	9957029826	Professor	IIT Guwahati	Oral	Online	
75	WATER-041	Tunuguntla Arun Sri Sai Krishna, Sumit Tiwari and Rajat Saxena	Performance comparison between double slope passive and active solar still based on energy matrices	tiwsumit@hotmail.com	8586985510	Assistant Professor	Shiv Nadar University	Oral	Online	
152	WATER-042	Bandana Swain and Jatin Patel	Exergetic efficiency of single slope passive solar still: an experimental analysis	bandana1111@gmail.com	9337854040	Research Scholar	Pandit Deendayal Energy University	Oral	Online	
174	WATER-043	Pravesh Chandra, Anurag Mudgal and Jatin Patel	Design and Modeling of Vertical Tube Evaporator in a Thermal Driven Multiple Effect Distillation System	praveshchandra96@gmail.com	9410678464	Research Scholar	PDEU Gujarat	Oral	Online	
184	WATER-044	Sumata Das, Pritam Dey and Srimanta Ray	Mechanistic study on adsorption of aqueous pollutants on waste biomass derived activated carbon	sumatadas37@gmail.com	7005454305	Research Scholar	National Institute of Technology, Agartala	Oral	Online	
58	WATER-045	Darshan Savaliya and Jatin Patel	A Review on Atmospheric Air Water Generation Technologies	darshansavaliya333@gmail.com	9099453799	P.hd student	NIRMA UNIVERSITY	Oral	Offline at PDEU	
71	WATER-046	Niyant Thakkar, Dr. Jatin Patel and Dr. Anurag Mudgal	Solar Still Water Desalination Sustainable Energy Solutions by Energy-Exergy-Environ Analysis	niyant.tphd19@sot.pdpu.ac.in	9898032520	Phd Scholar	Pandit Deendayal Energy University	Oral	Offline at PDEU	
72	WATER-047	Hitesh N Panchal Panchal and Dr. Akhilesh Kumar Choudhary	Performance analysis of Atmospheric water generator to generate water from Atmosphere: A case study of Patan district	engineerhitesh2000@gmail.com	7874759079	Assistant Professor	Government Engineering College Patan	Oral	Offline at PDEU	
142	WATER-049	Dr. Williams Joy Koshy	Modified Route For Industrial Effluent Treatment Using Adsorption And Performance Comparison Of Activated Carbon And Lignite	drwilliamsjk@gmail.com	9428348672	Assistant Professor	Government Engineering College Bhuj	Oral	Offline at PDEU	
160	WATER-050	Sivakumar Pandian and Harit Tarsariya	Production Water Treatment by Adsorption Produced From Waste Casting Sand	sivakumar.p@spt.pdpu.ac.in						
167	WATER-051	Vaishali Chauhan and Dr. Kalisadhan Mukherjee	Fe (III) Impregnated activated alumina for cationic and anionic dye adsorption in water	vaishali.cphd20@sot.pdpu.ac.in	8320047517	PhD Student	Pandit Deendayal Energy University	Oral	Offline at PDEU	
70	WATER-140	Darshan Savaliya and Jatin Patel	Comparative study of a Multi-Functional H.V.A.C. system	darshansavaliya333@gmail.com	9099453799	Phd student	NIRMA UNIVERSITY	Oral	Offline at PDEU	
197	WATER-153	Karthik M and Suresh A.K	Improvement of Reverse Osmosis Performance of Polyamide Thin-Film Composite Membranes using Nanoparticles	mandakarthik03@gmail.com						

Track – 5 Water Treatment

Online: 7 Papers

Invited Lecture - Dr. Guillermo Zaragoza

Chair: Dr. Guillermo Zaragoza

Co-Chair: Dr. Anurag Kandya

Moderator: Jaydeep and Prabhat

Submission ID	Track ID	Author Name	Paper Title	Email ID	Contact No	Designation	Organization/ Institution	mode of presentation	attending	Sign
14	WATER-052	Sireesha Mantena and Nageswara Rao Kunjam	Feasibility study on application of soft computing methods in groundwater potential mapping: A review	sireeshamantena235@gmail.com	9949636738	Research Scholar	College of Engineering Andhra University	Oral	Online	
98	WATER-053	Helly Mehta, Dr. Manoj Gundalia and Kartik Sharma	Determination of appropriate Proportion of Mg and P addition in Human Urine to get Optimum Quantity of Struvite using MAP Crystallization Process	mehtahelly1991@gmail.com	8155856434	Research scholar	chhotubhai gopalbhai Patel Institute of Technology	Oral	Online	
136	WATER-054	Mukesh A Modi and Dr Narendra J Shrimali	Remedial strategies to minimize the risk on public health due to high Nitrate concentrations in groundwater	mamodi-ced@msubaroda.ac.in	7567676789	Assistant Professor	Civil Engineering Department, The M S University of Baroda,	Oral	Online	
102	WATER-055	Divyarajsinh Solanki, Prabhav Vakharia, Neel Suryawanshi, Parth Dabhale, Sweeti Sawant, Shivam Bhise, Shantini Bokil, Niraj Topare and Vishnu Choudhari	A Review on Adsorption of Dyes in Batch and Column Mode: Effects of Operating Parameters	niraj.topare@mitwpu.edu.in	8983056527	Assistant Professor	School of Chemical Engineering, MIT World Peace University, Pune-411038, India	Oral	Online	
108	WATER-056	A.V.Raghavendra Rao, Anjali Bibin Suja, Sowmya Dawalapuram, Vamshi Polagoni and Mosha Jeddi	Recent advances in Synthesis, Characterization and Applications of Activated Carbons from Coconut shell for water purification: A Review	19211a0804@bvrit.ac.in	9618487824	Student	B V Raju Institute of Technology	Oral	Online	
123	WATER-057	Sarika Vithalkar and Dr.Ravin Jugade	Adsorption of Brilliant Green Dye by Used-Tea-Powder: Equilibrium, Kinetics and Thermodynamics Studies	vithalkarsarika@gmail.com	9765992217	Assistant Professor	Priyadarshini College of Engineering, Nagpur.	Oral	Online	
126	WATER-058	Bandi Sumanth Kishore, Prasad Ksnv, Giri Raja Rohith, G Romie, S Ashok and Sara Harinath Goud	Biosorption of Dyes onto Cocoa Shell Powder in Batch Studies	rrg2710@gmail.com	7285968345	Student	B V Raju Institute Of Technology	Oral	Online	
40	WATER-059	Gudendra Negi, Anirbid Sircar and Sivakumar Pandian	Engineering the rheology and Interfacial tension behavior of mixed formulation of anionic and non-ionic surfactant with added nanoparticles	negigudendra@gmail.com	9426802623	Adjunct Faculty	PANDIT DEENDAYAL ENERGY UNIVERSITY	Oral	Offline at PDEU	
47	WATER-060	Yogendra Singh Solanki, Soumen Maity, Debojyoti Basuroy, Madhu Agarwal and Ab Gupta	Performance analysis to find the distribution of TDS, Fluoride, Alkalinity and Hardness in the groundwater of Rajasthan India- A Case study	yogendra201292@gmail.com	8935928802	Manager	Development Alternatives	Oral	Offline at PDEU	
61	WATER-061	Dhamsaniya Meet, Sojitra Dhruvin, Modi Harshul, M. A. Shabiimam and Kandya Anurag	Issues of Landfill Leachate and its Treatment Techniques: A Review	meet.dmten21@sot.pdpu.ac.in	8488833465	Environmental engineering S	Pandit Deendayal Energy University	Oral	Offline at PDEU	
64	WATER-062	Borlon Daniel, Shah Meet, M. A. Shabimam and Kandya Anurag	Treatment of Water Using Natural Materials: A Review	meet.smten21@sot.pdpu.ac.in	7227077479	M.tech student	Pdeu	Oral	Offline at PDEU	
105	WATER-063	Asim Fulzele, Saptarshi Dutta Purkayastha, Pandurang Balwant, Divya Kalra, Paras Pujari, Nitin Labhsetwar and Atya Kapley	Hydro-geochemical approach to study Sea water intrusion at Lohva in Gujarat Coast-A case study	asimfulzele1610@gmail.com	8408865058	Project Associate-I	CSIR-National Environmental Engineering Research Institute, Nagpur	Oral	Offline at PDEU	
165	WATER-152	Pawan Gupta, Issac Wilson	Seawater Desalination Using Hydrate Technology	pawan.gupta@spt.pdpu.ac.in	9690352245	ASSISTANT PROFESSOR	Pandit Deendayal Energy University	Oral	Offline at PDEU	

Track – 6 Heavy metals removal

Online: 4 Papers

Invited Lecture - Prof Dinesh Kumar

Chair: Prof Dinesh Kumar

Co-Chair: Dr. Surendra Sasikumar Jampa

Moderator: Milind and Piyush

Submission ID	Track ID	Author Name	Paper Title	Email ID	Contact No	Designation	Organization/ Institution	mode of presentation	attending	Sign
99	WATER-064	Aditya Kumar Jha and Sukalyan Chakraborty	UV Assisted Photocatalytic Degradation of Tetracycline and Ciprofloxacin Antibiotics using Biosynthesized nZVI from Shorea robusta leaf extract.	ajha4783@gmail.com	7992243147	PhD Scholar	Birla Institute of Technology, Mesra, Ranchi	Oral	Online	
15	WATER-065	Jahanvi and Jaigopal Sharma	Encapsulation of bacterial cells in hydrogel to degrade microplastics	yadavjahanvi28@gmail.com	9210694455	Student	Delhi Technological University	Oral	Online	
179	WATER-067	Mohammad Baquir and Nadeem Khalil	Constructed Wetlands for Heavy Metals Removal: A review	baquir.alig@gmail.com	+91-92369-51780	Research Scholar	Aligarh Muslim University	Attendee/ Co-Auth	Online	
49	WATER-068	Surendra Sasikumar Jampa, Manish Kumar Sinha, Smit Vala and Shivam K.	Removal of Heavy metals and Dyes from its aqueous solution utilizing Metal Organic Frameworks (MOFs): Review	shivam.kch18@sot.pdpu.ac.in	9662287932	Student	Pandit Deendayal Energy University	Oral	Offline at PDEU	
93	WATER-069	Ganesh Dabhade, Gaurav Daware, Yennam Rajesh and Lakshmana Rao Jeeru	Ecofriendly Synthesis of Pure and Modified CuMnO ₃ : It's Application as Gas Sensor	gbdaware@kkwagh.edu.in	9860475620	Assistant Professor	K. K. Wagh Institute of Engineering Education and Research Nashik	Oral	Offline at PDEU	
104	WATER-070	Dr. Bibhabasu Mohanty and Dr. Anirban Das	Accumulation of heavy metals in crops irrigated with wastewater in various parts of India: A review	bibhabasu.mohanty@gmail.com						
107	WATER-071	Nandini Mukherjee, Nikunj Kumar Vagadiya and Mohil Odedara	Small molecule-based optical chemosensors for detection of heavy metal ions in water	nandini.mukherjee@sot.pdpu.ac.in	8762218623	Assistant Professor	Pandit Deendayal Energy University	Oral	Offline at PDEU	
113	WATER-072	Darshitsinh Parmar, Rohit Srivastava and Prahlad Baruah	Laser induced breakdown spectroscopy: A robust technique for the detection of trace metals in water	prahlad.baruah@sot.pdpu.ac.in	8474859759	Assistant Professor	Pandit Deendayal Energy University	Oral	Offline at PDEU	
116	WATER-073	Marelli Dhanush and M. Sai Siddhardh	Removal of lead from water using transition-metal complex	dhanushmarelli763@gmail.com	9573132121	student	B V RAJU INSTITUTE OF TECHNOLOGY	Oral	Offline at PDEU	
143	WATER-074	Shubham Sharma, Sadaf Ashraf, Gunjan Som, Soumen Maity and Yogendra Singh Solanki	Arsenic occurrences, health impacts and arsenic removal technologies for drinking water: A Comprehensive Review	gsom@deval.org	8505911807	Fellow	Development Alternatives	Oral	Offline at PDEU	
145	WATER-075	Dipto Deb and Sumedha Chakma	Experimental Investigation on Colloid-Facilitated Chromium Transport in Variably Saturated Soil	Dipto.Deb@civil.iitd.ac.in	8448555913	Research Scholar	Indian Institute of Technology Delhi	Oral	Offline at PDEU	
176	WATER-076	Abhishek Kagalkar, Bhavi Panchal, Ashish Chaudhari, Yash Thakrar, Yash Thakare, Sujay Kore, Dr. Swapnil Dharaskar and Dr. Manan Shah	Removal of Heavy Metal Ions from Wastewater using Graphene-Oxide and its Composites	abhishek.kphd@gmail.com						
32	WATER-066	Vinayak Wadgaonkar and Niraj Topare	A Review on Application of Low-Cost Adsorbents for Heavy Metals Removal from Wastewater	niraj.topare@mitwpu.edu.in	8983056527	Assistant Professor	School of Chemical Engineering, Dr. Vishwanath Karad MIT World Peace University, Pune-411038, India	Oral	Online	

Track – 7 Industrial Wastewater treatment

Online: 7 Papers

Invited Lecture - Dr. Xialei You

Chair: Dr. Xialei You

Co-Chair: Dr. Lakshmana Rao Jeeru

Moderator: Dharmik and Omar

Submission ID	Track ID	Author Name	Paper Title	Email ID	Contact No	Designation	Organization/ Institution	mode of presentation	attending	Sign
69	WATER-078	Satchidanand Satpute and Rushikesh Chimkar	Application of Mechanically sand reclaimed fines as an adsorbent for textile waste treatment	satchidanand.satpute@vit.edu	7057107330	assistant Professor	Vishwakarma Instiute of Technology, Pune	Oral	Online	
78	WATER-079	Jayalakshmi R, Soundaranayaki K, and Subhash Kannan M	Removal of methylene blue dye from textile wastewater using vertical flow constructed wetland	soundariya31@gmail.com	9442903997	Assistant Professor	Centre for Environmental Studies, Anna University, Chennai	Oral	Online	
101	WATER-080	Satishkumar K. Movaliya and Sanjay S. Patel	Synthesis of spinel LaFe2O4 catalyst for degradatation of Rhodamine-B by using photocatalytic wastewater treatment	satishmovaliya@gmail.com	9409632035	Research scholar	Nirma University, Ahmedabad	Oral	Online	
114	WATER-081	Amitap Khandelwal, Akshat Mangal, Jaichander Swaminathan, Piet Lens and Chinmay Ghoroi	Bioremediation of Textile Waste Water Using a Photosynthetic Microbial Fuel Cell with Simultaneous Energy Production	amitap.khandelwal@nuigalway.ie	+918503916194	Postdoctoral Fellow	IIT Gandhinagar	Oral	Online	
147	WATER-082	Israel Hailu and Dr. Reshma Patel	Comparison of Photo Fenton and H2O2/UV Advance Oxidation Process in treating textile Wastewater for Reduction of COD and Color: A Review paper	jmtjdjmt01@gmail.com	8155833298	Vallabh Vidyanagar, Gujar	Birla Vishvakarma Mahavidyalaya	Oral	Online	
153	WATER-083	Rahul Das, Sajal Rudra Paul and Animesh Debnath	Sequential coagulation/flocculation and sonolytic oxidation using persulfate and hydrogen peroxide for real rubber processing industry wastewater treatment: Kinetic modelling and treatment cost analysis	rudrapaul.sajal5@gmail.com	8014086986	Research Scholar	National Institute of Technology Agartala	Oral	Online	
63	WATER-084	Christian Dipti, Gaekwad Aakanksharaje, Dani Hetvi, M A Shabiimam and Kandya Anurag	Recent Techniques of Textile Industrial Wastewater Treatment: A Review	dipti.cmten21@sot.pdpu.ac.in	8511107574	M.Tech Student	Pandit Deendayal Energy University	Oral	Offline at PDEU	
92	WATER-085	Ganesh Dabhade, Gaurav Daware, Yennam Rajesh and Lakshmana Rao Jeeru	An Efficient Removal of Indigo Carmine Dye (IC) From Aqueous Medium Using Environmental Friendly Synthesized ZnAl2O4	gbdabhade81@gmail.com	9860475620	Assistant Professor	K. K. Wagh Institute of Engineering Education and Research Nashik	Oral	Offline at PDEU	
103	WATER-086	Chaina Ram, Dr Anirudh Kulkarni and Dr Surendra Singh Kachhwaha	Application of Hydrodynamic Cavitation Devices in Industrial Wastewater Treatment: A brief review	chaina.rphd21@sot.pdpu.ac.in	8144999653	PhD Research Scholar	PDEU GANDHINAGAR	Oral	Offline at PDEU	
125	WATER-087	Dr. Ravi Tejasvi and Setu Visavadia	g-C3N4@charred wood-sawdust as buoyant biodegradable photocatalysts for enhanced photocatalytic oxidation of organic wastewater pollutants	setu.vmtch20@sot.pdpu.ac.in	9979845140	M.Tech Student	Pamdit Deendayal Energy University	Oral	Offline at PDEU	
133	WATER-088	Dr. Ravi Tejasvi	Plastic circuit boards from computer e-waste as the cost-effective and flexible electrodes in electrolytic wastewater treatment	ravi.tejasvi@sot.pdpu.ac.in	9971756373	Assistant Professor	Pandit Deendayal Energy University	Oral	Offline at PDEU	
198	WATER-154	Harsh Patni and Balasubramanian Ragunathan	A Comprehensive Review on Recycling and Reusage of Oil-field Waste Water	balasubramanian@spt.pdpu.ac.in	9687576621	Assistant Professor	Pandit Deendayal Energy University	Oral	Offline at PDEU	
44	WATER-077	Niraj Topare, Shantini Bokil, Satish Khedkar and Anish Khan	Niobium Pentaoxide (Nb2O5) as an Efficient Photocatalyst for Photocatalytic Degradation of Rhodamine-B	niraj.topare@mitwpu.edu.in	8983056527	Assistant Professor	School of Chemical Engineering, Dr. Vishwanath Karad MIT World Peace University, Pune-411038, India	Oral	Online	
35	Water-007	Vinayak Wadgaonkar and Niraj Topare	Removal of Cu (II) from Aqueous Solutions in Fixed-Bed Column Using Red Gram Husk Powder	vinayak.wadgaonkar@mitwpu.edu.in	9011096478	Assistant Professor	Dr. Vishwanath Karad MIT World Peace University, Kothrud , Pune	Oral	Offline at PDEU	

Track – 8 Membrane Technology

Online: 5 Papers

Invited Lecture - Prof. Philip Davies

Chair: Prof. Philip Davies

Co-Chair: Dr. Manish Kumar Sinha

Moderator: Tapan & Sarthak

Submission ID	Track ID	Author Name	Paper Title	Email ID	Contact No	Designation	Organization/ Institution	mode of presentation	attending	Sign
36	WATER-089	Smit Vala, Surendra Sasikumar Jampa and Manish Kumar Sinha	Ultrafiltration study of polysulfone (PSF) membrane modified with branched polyethyleneimine (PEI) .	smit.vmtch20@sot.pdpu.ac.in	9898231159	M-tech student	Pandit Deendayal Energy University	Oral	Online	
109	WATER-090	Dixita Prajapati and Prof. Chivukula Murthy	Salt rejection study of reduced graphene oxide-polysulfone mixed matrix membrane	dixita.p-appchemphd@msubaroda.ac.in	8849772907	Ph.D Student	The M. S. University of Baroda.Vadodara	Oral	Online	
122	WATER-091	Priyanka Mistry and Chivukula Narayan Murthy	Surface Modification of Polysulfone/Azide-functionalized MWCNT Mixed Matrix Membrane using Click Reaction	pm35315@gmail.com	9601921252	Research Schloar	The M.S.University of Baroda	Oral	Online	
129	WATER-092	Ajay V Gawali, Sapna A Gawali, Dr. Manish Kumar Sinha and Surendra Sasi Kumar Jampa	Study on water and gas permeation characteristics with ZIF-8 mixed matrix membranes	ajay.gphd19@sot.pdpu.ac.in	8983202927	PhD student	Pandit Deendayal Energy University	Oral	Online	
130	WATER-093	Dr. Km Nikita, Mr. V.K. Aswal and Prof. C.N. Murthy	Modification of functionalized MWCNT incorporated polyether sulfone mixed matrix membranes using click chemistry	kmnikita1992@gmail.com	8780817250	Assistant Professor(Contractual	The Maharaja Sayajirao University of Baroda	Oral	Online	
8	WATER-094	Hiralkumar Morker, Bharti Saini and Anirban Dey	Role of Membrane Technology in Food Industry Effluent Treatment	hiral.mmtch20@sot.pdpu.ac.in	9913352437	Student	Pandit Deendayal Energy University	Oral	Offline at PDEU	
15	WATER-095	Surendra Sasikumar Jampa, Manish Kumar Sinha, Ashish Prabhudas Unnarkat, Sapna Ajay Gawali, Smit Vala, Nagarjuna Reddy Paluvai and Ajay Gawali	Structured Nano Materials Derived From MOF	sapna.dphd20@sot.pdpu.ac.in	8793439813	PhD student	PDEU	Oral	Offline at PDEU	
39	WATER-096	Pratik Saha, Manish Kumar Sinha and Surendra Sasikumar Jampa	Hybrid Membrane Process for water treatment	Pratik.sch18@sot.pdpu.ac.in	8087468450	student	pandit deendayal energy university	Oral	Offline at PDEU	
57	WATER-097	D. Dsilva Winfred Rufuss, Yawen Wu and P. A. Davies	Effects of feed and draw solutions temperature on the performance of Aquaporin HFFO.6 membrane in forward osmosis	dsilva.kongu@gmail.com	9597343374	Newton International Fellow	University of Birmingham, UK	Oral	Offline at PDEU	
120	WATER-098	Rubén Rodríguez-Alegre, Abel Lara,Xialei You, Natalia Rey-Martínez, Montserrat Pérez-Moya and Julia García-Montaño	Assessment of ultrafiltration membranes for domestic food waste and blackwater treatment with AnMBR	rrodriguez@leitat.org	+34658295466	R&D Researcher/ PhD candidat	Leitat Technological Center	Oral	Offline at PDEU	
146	WATER-099	Anwasha Mohanty, Hrishikesh Saikia, Nitya Tailwani, Tushar Patil and Swapnil Dharaskar	ENERGY EFFICIENT CO2 SEPERATION USING NANOPARTICLES SUPPORTED MEMBRANE: A REVIEW	anwasha.mch16@sot.pdpu.ac.in						
141	WATER-100	Philip Davies, Ebrahim Hosseinipour, Somayeh Karimi, Anurag Mudgal and Dhaval Patel	Practical brackish water desalination with 94% recovery and specific energy consumption below 0.6 kWh/m ³	p.a.davies@bham.ac.uk						

Track – 9 Modelling and Optimisation

Online: 6 Papers

Invited Lecture - Rubén Rodríguez-Alegre

Chair: Ruben Rodriguez-Alegre

Co-Chair: Dr. Vivek K. Patel

Moderator: Jaydeep & Prabhat

Submission ID	Track ID	Author Name	Paper Title	Email ID	Contact No	Designation	Organization/ Institution	mode of presentation	attending	Sign
11	WATER-101	Padma Parija, Sudarsan J.S and Suribabu C.R	Usage Of Flap Gate For Optimisation Of Discharge: A Sustainable Water Management Approach	parija345@gmail.com	8596914940	Student	NICMAR	Oral	Online	
52	WATER-102	Siraj Bhatkar, Lalitkumar Kshirsagar, Niraj Topare, Vinayak Wadgaonkar and Yash Chavan	Dose Optimization of Oil Field Produced Water and Advanced Water Treatment for Heavy Viscous oil	siraj.bhatkar@mitwpu.edu.in	9767180271	Assistant Professor	School of Petroleum Engineering, Dr. Vishwanath Karad MIT World Peace University, Pune-411038, India	Oral	Online	
140	WATER-103	Siraj Bhatkar, Nishank Badhe and Avishkar Adhatrao	Optimizing produced water quality for enhancing oil recovery	siraj.bhatkar@mitwpu.edu.in	9767180271	Assistant Professor	School of Petroleum Engineering, Dr. Vishwanath Karad MIT World Peace University, Pune-411038, India	Oral	Online	
180	WATER-104	Jerripotu Gopala Rao, Gunwant Sharma and Sudhir Kumar	Optimal Operation of the KLRao Sagar Pulichintala Reservoir using Genetic Algorithm under RCP4.5 Climate Change Scenario	2016rce9030@mnit.ac.in	+918385051644	Ph.D. Research Scholar	Malaviya National Institute of Technology Jaipur	Oral	Online	
183	WATER-105	Vishal Dhakane, Dharmik Gohil, Manish Kumar and Paawan Sharma	Modelling and simulation of Bubble column Integration with HEIR Technology for Water Purification	2021rch2003@iitjammu.ac.in	8899166712 9096879510	P.hd Student	Indian Institute of Technology, Jammu	Oral	Online	
132	WATER-106	Harsha Sahu, Soumyadeep Dutta, Tilottama Chakraborty and Mrinmoy Majumder	Feature Selection for Decision Making in Water Treatment Plant: A Modified AHP Approach	harshasahu898@gmail.com	7354242809	M.Tech Student	National Institute of Technology Agartala	Oral	Online	
5	WATER-107	Chintavi Patel, Abhilash Nair and Abhipsa Makwana	Electrooxidation of leachate: Understanding effect of cathode material and process optimization using Response Surface Methodology	abhipsamakwana78@gmail.com	9925229365	Asst. Professor	The Maharaja Sayajirao University of Baroda	Oral	Offline at PDEU	
10	WATER-108	Reshma Malan and Narendrasinh Desai	Contaminate transportation modeling with time dependent dispersion	rrmalan@gecv.ac.in	9727979745	Assistant Professor	Government Engineering College, Valsad	Oral	Online	
18	WATER-109	Jigar Modi and Vivek Patel	Thermo-Ecological Optimization of Shell and Tube Heat Exchanger	Jigarmodi211172@gmail.com	6354728901	Student	Pandit Deendayal Energy University	Oral	Offline at PDEU	
28	WATER-110	Trushil Patel and Dr. Vivek Patel	Multi-objective optimization of offset Plate-Fin Heat Exchanger	trushil.pmc18@sot.pdpu.ac.in						
38	WATER-111	Harshil Pancholi and Vivek Patel	Optimization of Cooling System	harshil.pmc18@sot.pdpu.ac.in						
134	WATER-112	Praharsh Patel, D.M. Pandya and Manan Shah	A Review on Various Mathematical Techniques for Groundwater Quality Analysis and Assessment	praharsh.pphd21@sot.pdpu.ac.in	7359395155	Ph.D. Research Scholar	Pandit Deendayal Energy University	Oral	Offline at PDEU	
162	WATER-113	Parthiv Pal, Anurag Mudgal and Manish Kumar	Design and Analysis of Heat Exchanger for Safety of Tubes by Radiated Water	parthivpal17@gmail.com	9998601685	MTech. Nuclear Student	PDEU	Oral	Offline at PDEU	

Track – 10 Water Management

Online: 5 Papers

Invited Lecture - Dr. Neil Stewart

Chair: Ms. Robyn Plaice-Inglis

Co-Chair: Dr. Rajat Saxena

Moderator: Milind & Piyush

Submission ID	Track ID	Author Name	Paper Title	Email ID	Contact No	Designation	Organization/ Institution	mode of presentation	attending	Sign
34	WATER-114	Divya Rameshkumar Patel and Sandesh Chibber	A Study Of Physico Chemical Parameters of Sabarmati River in Ahmedabad District, Gujarat, India	DIVYPATEL12111997@GMAIL.COM	9725014038	RESEARCH SCHOLAR	RAI UNIVERSITY	Oral	Online	
41	WATER-115	Karthik Raghunathan, Deepak Marathe, Umakant Thawale, Seshpal Rathod and Prashant Thawale	Phyto hydraulic management of wastewater from Automobile industry using High Rate Transpiration System	r_karthik@neeri.res.in	9028958258	Senior Scientist	CSIR-NEERI	Oral	Online	
74	WATER-116	Dattatray Kumbhar, Ashok More and Sachin Mane	Curb Pollution of River -Dealing with Dry Weather Flow Interception	dskumbhar06@rediffmail.com	9930050152	Student	.Y. Patil College of Engineering	Oral	Online	
80	WATER-117	Gopal Prasad Patel	Environmental Effects of River Sand Mining: A study on the Mahanadi River Basin of Mahasamund District, Chhattisgarh, India	gopalpp.cec1896@gmail.com	7587299715	MTech.(Research Scholar)	nal Institute of Technology P	Oral	Online	
128	WATER-118	Ajmal Koya Pulikkal and Sajeesh, Adangampurath Kolothumthodi, Adangampurath Kolothumthodi	Water quality assessment of open wells in Malappuram district, Kerala	sajeeshvaikhari@gmail.com	9447468430	PhD scholar	NIT MIZORAM	Oral	Online	
6	WATER-119	Dipesh Dalal	A review on methods for effective management of water losses an effort made by Indian Authors	dhdalalphd7@gmail.com	9428858913	Lecturer	ent Polytechnic For Girls, Ah	Oral	Offline at PDEU	
13	WATER-120	Dipesh Dalal and Dr Rupesh Vasani	Leakage Detection in Water Distribution Systems using WSN for Smart Cities	dhdalalphd7@gmail.com	9428858913	Lecturer	ent Polytechnic For Girls, Ah	Oral	Offline at PDEU	
20	WATER-121	Namrata Bist, Anirbid Sircar and Kriti Yadav	Analysis of geothermal water for domestic and irrigation purposes from Tulsishyam geothermal hotspot	namrata.bist@spt.pdpu.ac.in	8141724956		PDEU	Oral	Offline at PDEU	
50	WATER-122	Pali Sahu, Shreenivas Londhe and Preeti Kulkarni	Prediction of Dissolved Oxygen (DO) content using Support Vector Regression for Mula-Mutha River Pune-India	Palisahu18@gmail.com	7276413542	PhD Scholar	VIIT, Pune	Oral	Offline at PDEU	
68	WATER-123	Tasnim Shaikh, Janki Patel and Bharat Patel	Water Management for Agro-Ecological System with Mulching	jankirpatel96@gmail.com	9978146501	Research Scholar	naraja Sayajirao University o	Oral	Offline at PDEU	
84	WATER-124	Saptarchita Datta, Iradat Hussain Mafat and Rajat Saxena	Sensitivity analysis of water wastage in Indian households	sapta.datta2908@gmail.com	8777280720	Student	dit Deendayal Energy Univer	Oral	Offline at PDEU	
196	WATER-151	Almotasembellah Abushaban, Sergio G. Salinas-Rodriguez, Nirajan Dhakal, Jan C. Schippers, Maria D. Kennedy	Biofouling Assessment, Monitoring and Control in Reverse Osmosis Systems	m.kennedy@un-ihe.org	kennedy@un-ihe.c	+31 6 40676251	IHE Delft	IHE Delft, Institute for Water Education	Oral	

Track – 11 Effluent Treatment

Online: 6 Papers

Invited Lecture - Ariadna Claret

Chair: Ariadna Claret

Co-Chair: Manish Kumar

Moderator: Dharmik & Omar

Submission ID	Track ID	Author Name	Paper Title	Email ID	Contact No	Designation	Organization/ Institution	mode of presentation	attending	Sign
27	WATER-126	Krishna Narayan Pandey, Subrata Ghosh and Sukumar Roy	Removal of heavy metals from waste water by using of textile fibrous media	krishnanp.tt.20@nitj.ac.in	6389798929	Student	Dr B R Ambedkar National Institute of technology Jalandhar	Oral	Online	
55	WATER-127	Ankisha Vijay, Suparna Mukherji and Prakash C Ghosh	Power Generation in a Saline Microbial Fuel Cell Using Polypyrrole Modified Stainless Steel Mesh as an Effective Anode Catalyst	ankishav1990@gmail.com	9799840110	Post Doctoral Fellow	IIT Bombay	Oral	Online	
66	WATER-128	Siraj Bhatkar, Lalitkumar Kshirsagar, Vinayak Wadgaonkar, Niraj Topare and Yash Chavan	Modifications of Petroleum Industry Effluent Treatment Method: An approach for Quality Improvement of process water for ASP flooding and Chemical EOR	siraj.bhatkar@mitwpu.edu.in	9767180271	Assistant Professor	*School of Petroleum Engineering, Dr. Vishwanath Karad MIT World Peace University, Pune-411038, India	Oral	Online	
119	WATER-130	Krutika Lanjewar, Pranay Tarar, Amol Shukla, Rahat Khan, Ritesh Vijay and Atya Kapley	Phytoremediation of Synthetic Saline Wastewater in Engineered Constructed Wetland	krutika.lanjewar1995@gmail.com	7666541533	Project Assistant (PA)	CSIR-NEERI	Oral	Online	
43	WATER-131	Pradip Nandanwar and Ravin Jugade	Chitosan-Activated Carbon Composite for Remazol Brilliant Blue R Removal from Effluents	pradipnandanwar27@gmail.com	9834195116	Research Scholar	Department Of Chemistry, RTM, Nagpur University, Nagpur-440033	Oral	Online	
9	WATER-132	Ananta K Mishra, Mayur C Valodkar, Nirmal K Sanchapara, Akash M Patel and Pujan B Vaishnav	Synthesis of Polyester Polyol from cyclohexanone plant wash water	akmishra@gscfld.com	8238084547	Senior Manager (Research)	Gujarat State Fertilizers & Chemicals Ltd	Oral	Offline at PDEU	
151	WATER-133	Sandra Saju, Sourodipto Modak, Priyanka Katiyar and Karan Gupta	Development and physico-chemical characterization of thermally treated spent turmeric root waste to treat dye containing wastewater	sandraasaju@gmail.com	8511278153	tech Student (Chemical Engineer)	Shiv Nadar University	Oral	Offline at PDEU	
154	WATER-134	Saniya Malik and Upendra Patel	Catalytic activation of peroxymonosulphate (PMS) with manganese and cobalt coated micro sand particles for the treatment of Floor-wash containing Reactive black 5 (RB5)	saniyamillennial@gmail.com	8155014503	Student	Maharaja sayajirao university -faculty of technology	Oral	Offline at PDEU	
163	WATER-135	Arpit Kumar Singh, Sarthak Mehta, Saurabh Bagul, Surendra Sasi Kumar Jampa, Manish Kumar and Manish Kumar Sinha	Performance Study of low dose Gamma Radiation on Polysulfone Membrane for Waste Water Treatment	arpit.singh09997@gmail.com	9639331639	M.tech Nuclear Student	Pandit Deendayal Energy University	Oral	Offline at PDEU	
195	WATER-136	Manish Kumar, Saurabh Bagul, Sarthak Mehta and Arpit K. Singh	Applications of Heavy Water in the Nuclear and Non-Nuclear Fields: A Review	manish.kumar@sot.pdpu.ac.in	6350686653	Faculty	Pandit Deendayal Energy University Gandhinagar	Oral	Offline at PDEU	
168	WATER-137	Sukanya Acharyya and Anirban Das	Groundwater remediation processes from toxic hexavalent chromium: a review	sukanya.aphd18@sot.pdpu.ac.in	8961266788	Research scholar	Pandit Deendayal Energy University	Oral	Offline at PDEU	

Track – 12 Water resources and climate

Online: 2 Papers

Invited Lecture - Dr. Gabriela Cuadrado Quesada

Chair: Dr. Gabriela Cuadrado Quesada

Co-Chair: Dr. Daya Shankar Kaul

Moderator: Tapan & Sarthak

Submission ID	Track ID	Author Name	Paper Title	Email ID	Contact No	Designation	Organization/ Institution	mode of presentation	attending	Sign
86	WATER-138	Deepika Davuluri, Manish Kumar, Vipin Shukla and Rishikesh Tiwari	Safety Analysis of Near Surface Nuclear Waste Repository Constituting an Aquifer in Proximity	deedavuluri@gmail.com	8553143333	Student	PDEU	Oral	Online	
149	WATER-139	Biltu Pal, Prof. Mahender Choudhary and Professor-Hag Y.P. Mathur	Assessing the impacts of climate change on the performance of reservoir system using a simulation model	2018rce9505@mnit.ac.in	9382019321	Ph.D. Research Scholar	National Institute of Technol	Oral	Online	
85	WATER-141	Sanket Singare, Janki Jagani and Rajat Saxena	POTENTIAL ASSESSMENT OF WATER CRISIS SOLUTIONS IN COASTAL AREAS	singaresanket310@gmail.com						
91	WATER-142	Shubh Agrawal, Divyansh Kumbhare, Navyashree Raghupatro, Rasika Rewatkar, Rohini Ochawar and Piyush Kokate	Qualitative detection of Algae using RGB Based indices from drone images	ochawarrs@rknec.edu	8329495047	Associate Professor	College of Engg. and Manag	Oral	Offline at PDEU	
150	WATER-143	Tapan Patel, Zeel Raval, Manish Kumar and Debabrata Swain	Efficient Water Management of Gandhinagar by Rainfall Forecasting Using Machine Learning	pateltapan1998@gmail.com	9824610525	Student	dit Deendayal Energy Univer	Oral	Offline at PDEU	
155	WATER-144	Venkat Ram Reddy Minampati and Paul Sugandhar Darur	Rejuvenation of Water Resources Management for Sustainable Development: A case study on Mission Kakatiya Strengthening Community Based Irrigation Practices Restoration of Tanks and	venkatram.reddy@sls.pdu.ac.in	9601039405	Assistant Professor	ndit Seendayal Energ Univer	Oral	Offline at PDEU	
157	WATER-145	Santosh Kumar and Yogesh Prakash Mathur	Optimal Location of Intermediate Pumping Station to Minimize the Total Cost of the Sewerage System	santk1986@gmail.com	7742304800	PhD Scholar	MNIT JAIPUR	Oral	Offline at PDEU	
158	WATER-146	Tanushree Patel and Dr. Sriram Divi	Water Crises as Women's Crisis: Strategies for an equitable water resource management	tanushree.h.patel@gmail.com	9099016715	Research Assistant	GEMRI, PDEU	Oral	Offline at PDEU	
159	WATER-147	Sriram Divi and Tanushree Patel	Sustainable Management of Groundwater Resources: Study of the Policy and Planning Framework	sriram_divi@yahoo.co.in	9687858749	Associate Professor	dit Deendayal Energy Univer	Oral	Offline at PDEU	
164	WATER-148	Ravi Patel, Jaynam Patel, Anurag Mudgal and Manish Kumar	Case Study of PHWR Nuclear Steam Generator Tube Design for Minimizing Water Driven Corrosion and Inter-Granular Cracks	ravirjp2003@gmail.com	9898680457	Student	Deendayal Petroleum Univ	Oral	Offline at PDEU	
171	WATER-149	Ruchita Shah and Rohit Srivastava	Understanding climate change resilience through rainfall heterogeneity over Western India and Arabian Sea	prl@gmail.com; rohit.srivastava@sls.pdu	9426324471	Associate Professor	dit Deendayal Energy Univer	Oral	Offline at PDEU	
156	WATER-150	Zeel Raval, Tapan Patel, Debabrata Swain, and Manish Kumar	Machine Learning Based Approach for Metaphoric Investigation of Ground Water Quality	znr6799@gmail.com	8980987000	Student	PDEU	Oral	Offline at PDEU	
199	WATER-155	Patrizio Arrigo	In silico prediction of direct interactions between contaminants of emerging concern and regulatory RNAs	patrizio.arrigo@ieiit.cnr.it						

Track – 13 Poster

Submission ID	Track ID	Author Name	Paper Title	Email ID	Contact No	Designation	Organization/ Institution	mode of presentation	attending	Sign
1	Poster-1	Dhaval Patel, Anurag Mudgal, Vivek Patel and Jatin Patel	Techno-economic analysis of forward osmosis system for domestic wastewater treatment	dhaval.20patel@gmail.com	9512686164	Ph.D. student	Pandit Deendayal Energy University	Poster	Offline at PDEU	
46	Poster-2	Monika Chhimwal and R.K. rivastava	Microcosmic Plant and Fungi synergism-based filter to remediate the pollutants from industrial wastewater	monikachhimwal292@gmail.com	9758240033	Research scholar	G.B Pant university of Agriculture & Technology, Pantnagar, Uttarakhand	Poster	Offline at PDEU	
48	Poster-3	Diksha Pandey and R.K Srivastava	Groundwater quality assessment of Pantnagar region using pollution index of groundwater (PIG)	diskshp99@gmail.com	9084518110	Research Scholar	G.B Pant university of Agriculture & Technology	Poster	Offline at PDEU	
115	Poster-4	Triparna Chakraborty, Amita Bedar, Shobha Shukla and Manoj Pandey	Synthesis of PVDF-HNT-Ceria Mixed Matrix UF Membrane For Dye Elimination And Oil-Water Separation	tripchakra95@gmail.com	7768065503	Ph.D. student	Pandit Deendayal Energy University	Poster	Online	
118	Poster-5	Aziz Lokhandwala, Shrey Upadhyay, Dhyarvi Rao, Mansi Patel and Rohit Srivastava	Study of effects of beads for reduction of bubble formation in waste water treatments using model simulation	aziz.lbsc19@sls.pdpu.ac.in	7485936852	Student Researcher	Pandit Deendayal Energy University	Poster	Offline at PDEU	
131	Poster-6	Nikhil Savio and Rajeev Kumar Srivastava	Potentialities of Plant based hybrid wetland systems for the treatment of Household grey water using Canna indica, Agave americana and Tagetes sp.	nikhilsavio7043@gmail.com	6005334578	Research Scholar	GB Pant University of Agriculture and Technology Pantnagar Uttarakhand	Poster	Offline at PDEU	
148	Poster-7	Varsha Mudgal, Milan Raninga, Dhaval Patel, Dipak Ankoliya and Anurag Mudgal	Sustainable method for removal of heavy metals: Phytoremediation	varsha.mudgal@sot.pdpu.ac.in	7984954806	Project Staff	Pandit Deendayal Energy University	Poster	Offline at PDEU	
169	Poster-8	Nikunj Kumar Vagadiya, Mohil Odedara, Dhruvikumari Patel, Sudhanshu Sharma and Nandini Mukherjee	Anion detection employing synthetic chemosensors in aqueous media	nandini.mukherjee@sot.pdpu.ac.in	8762218623	Assistant Professor	Pandit Deendayal Energy University	Poster	Offline at PDEU	
181	Poster-9	Milan Raninga, Anurag Mudgal, Vivek Patel and Jatin Patel	Design of ORC-RO System for Utilizing Waste Heat from Flue Gases of Coal-Fired Thermal Power Plant	milanraninga80@gmail.com	9033669842	Ph.D. student	Pandit Deendayal Energy University	Poster	Offline at PDEU	
186	Poster-10	Dipak Ankoliya, Anurag Mudgal, Manish Kumar Sinha, Vivek Patel and Jatin Patel	Techno-economic analysis of hybrid electro dialysis-batch reverse osmosis process for brackish water desalination	dipak.personal77@gmail.com	9913654239	Ph.D. student	Pandit Deendayal Energy University	Poster	Offline at PDEU	
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193	Poster-13	Dhaval Patel, Anurag Mudgal, Vivek Patel and Jatin Patel	Mathematical approach for better performance of flat-sheet forward osmosis membrane	dhaval.20patel@gmail.com	9512686164	Ph.D. student	Pandit Deendayal Energy University	Poster	Offline at PDEU	
194	Poster-14	Anu Manhas, Siddhi Kediya and Mohil Odedara	The DFT/TD-DFT study on benzothiazole based chemosensor to decipher anion sensing mechanism	Anu.Manhas@sot.pdpu.ac.in	9149873239	Assistant Professor	Pandit Deendayal Energy University	Poster	Offline at PDEU	
121	WATER-048	Rubén Rodríguez-Alegre, Abel Lara, Xialei You, Montserrat Perez-Moya and Julia García-Montaño	Reuse of domestic grey water with green wall and alternative post-treatments	rrodriguez@leitat.org	+34658295466	D Researcher/PhD candid	Leitat Technological Center	Oral	Offline at PDEU	