ecoSTP2023

6th IWA International Conference on eco-Technologies for Wastewater Treatment

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3.75	Soil contamination due to reuse of ZnO nanoparticles contaminated wastewater effluent	Radhika	Indian Institute of Technology, Delhi
3.76	Innovative and versatile integrated solution to remove contaminants of emerging concern in water treatment systems	Aina Soler-Jofra	Acciona
3.77	Can Peracetic Acid disinfect wastewater? A Portuguese pilot installation in a WWTP says it can	Diogo Sousa	CENSE - Center for Environmental and Sustainability Research, School of Science and Technology, NOVA University Lisbon
3.78	Enhancing purple phototrophic bacteria granulation by size classification	Samuel Stegman	The University of Queensland
3.79	Evaluation of emerging micropollutants presence in laundry greywater facilities for recycling	Marta Turull	Catalan Institute for Water Research (ICRA)
3.80	Aerobic biodegradability of fat, oil and grease wastes	Carlota Ucha	Universidade de Santiago de Compostela
3.81	Optimization of high rate algal ponds design and operation to enhance biomass production for biofertilizer application	Enrica Uggetti	Universitat Politècnica de Catalunya
3.82	The GAIA project: Bioelectroconversion of orGAnic waste streams and CO2 into sustaInAble fuels	Maria Vega	Leitat Technological Center
3.83	Determination of microplastics in three wastewater treatment plants in north-western Spain	Carlota Vijande	Universidade de Santiago de Compostela
3.84	Synergistic cytotoxicity of specific combination of water disinfection by-products assessed by bacterial reverse mutation tests	Laura Vinardell	Eurecat
3.85	Enantioselective uptake, distribution, and biotransformation of chiral pharmaceuticals venlafaxine and O-desmethylvenlafaxine in hydroponic lettuces	Zhen Wang	Catalan Institute for Water Research
3.86	Contactless membrane distillation for effective ammonia recovery from waste sludge	Lei WEN	The University of Hong Kong
3.87	Gravity-driven Membrane Filtration Primary Wastewater Effluent for Irrigating Soil-plants and Hydroponic-plants	Bing Wu	University of Iceland
3.88	Regeneration of high-quality water for reuse by forward osmosis-reverse osmosis system treating urban wastewater	Xuefei Yang	CETIM Technological Centre
3.89	Exploring the potential of olive by-products: antioxidants, sugars, contaminants and energy	Soraya Zahedi Diaz	Instituto Grasa CSIC
3.90	Exploring veterinary drug and resistance genes in livestock manure and their removal by biomethanisation	Soraya Zahedi Diaz	Instituto Grasa CSIC
3.91	Implementation of a municipal wastewater treatment technology to eutrophic environments: Ammonium nitrogen dosing strategy for developing phosphorus recovery from marine sediments	Fengyi Zhu	KTH Royal Institute of Technology
3.92	Application of electrocoagulation treatment to meat industry wastewater	Nataša Duduković	University of Novi Sad
3.93	Applying helium within a hot-bubble pilot plant to enhance the recovery of pure water from supersaturated air	Thi Thuy Nguyen	University of New South Wales
4. Digitalization			
POSTER No.	**TITLE**	**PRESENTING AUTHOR**	**AFFILIATION**
4.1	Modelling salinity effects on aerobic granular sludge treating fish-canning wastewater	Paula Carrera Fernández	Ghent University
4.2	SADAR: a digital predictive system with photonic pathogen biosensors for safe water reclamation in WWTP	Ruben Garcia Tirado	FACSA
4.3	Real-time, in-situ nitrite and nitrate analyser for process control within wastewater treatment facilities	Meritxell Grau Butinyac	TE Laboratories
4.4	Prediction of methane production of co-digestion of pig manure in WWTP based on metabolic and machine learning models	Mª Jose Tárrega Martí	GLOBAL OMNIUM MEDIOAMBIENTE, S.L.
4.5	Aerial Mapping of Pollution and Odour in a Wastewater Treatment Plant: the SNIFFIRDRONE project	Lidia Saúco Bozic	DAM Aguas
4.6	Study of atmospheric pollutants generated in wastewater treatment plants using Artificial Intelligence	Lidia Saúco Bozic	DAM Aguas

4.7	Effect of temperature on the kinetics of methane production in the co-digestion of manure and agri-food waste in WWTP	Mª Jose Tárrega Martí	GLOBAL OMNIUM MEDIOAMBIENTE, S.L.
4.8	Digital Water at Consorci Besòs Tordera	Jackson Tellez Alvarez	Consorci Besós Tordera 7 Ccb Serveis
4.9	Quantitative Image Analysis of Biosolids: Evaluating morphological parameters versus visual features	Sebastian Topalian	Technical University of Denmark
4.10	HADES: a digital twin for the optimization of WWTP performance	Carla Vázquez	ACCIONA
4.11	4SM Project. Spread sewer sensing for sustainable management: advanced tools for optimal sewer management	Oriol Gutiérrez	ICRA
4.12	Comparative modeling of SMP product/utilization on membrane fouling in submerged membrane bioreactor system using MES, PLS, MLR, PCA and ANN techniques	Hana Benaliouche	University of Constantine 3
4.13	Smart sensor monitoring and prediction for safe wastewater reuse: Development of an early Warning System tool	Francesto Fatone	Università Politecnica delle Marche
5. Economics and environmental/social footprint			
POSTER No.	**TITLE**	**PRESENTING AUTHOR**	**AFFILIATION**
5.1	Lowering of groundwater levels and their effect on Water, Sanitation and Hygiene services in the Savelugu District, Northern Region of Ghana	Albert Acheampong	KNUST (WORLD VISION GHANA)
5.2	Theoretical feasibility assessment of water loops in the Balearic Islands of Mallorca, Cabrera, and Formentera	Gianluigi Buttiglieri	ICRA
5.3	The uncertainty of N2O emissions is underestimated and hampers accurate comparison of WWT technologies.	Carlos Domingo Felez	University of Glasgow
5.4	Re-thinking industrial wastewater treatment using advanced mathematical modelling.	Xavier Flores-Alsina	Danmarks Tekniske Universitet
5.5	Distinct characteristic pollution and systematical ecological risk assessment of microplastic in the Yangtze River	Qianen Huang	Northwest A&F Univercity
5.6	Case Study of Climate Change Countermeasures (Jeju Island in South Korea)	Jinkeun Kim	Jeju National Univ.
5.7	Social footprint evaluated within Chilean rural wastewater treatment plants	Paula Madariaga	University of Santiago of Chile
5.8	Stakeholders' attitudes towards acceptance in the use of nutrient reuse technologies and decentralised systems in four case studies in Europe	Beatriz Medina	WE&B
5.9	Monitoring of odorous emissions in WWTPs: proposal for a simple procedure	Laura Palli	GIDA spa
5.10	The effect of liquid wastes on a full-scale WWTP nitrogen removal performance	Laura Palli	GIDA spa
5.11	Nature-based solutions in Europe and Latin America: A comparative analysis of regional situation and addressed challenges	Yarima Recalde	University of Girona
5.12	Emerging contaminants occurrence in an urban wastewater impacted aquifer: The Onyar River basin study case	Nonito Ros Berja	ICRA
5.13	Effects of Environmental and Social Factors on Eutrophication in Tonle Sap Lake	Vouchlay Theng	Institute of Technology of Cambodia
5.14	Monitoring and study of specified metals' behaviour in a large Italian wastewater treatment plant	Francesca Tuci	Università degli Studi di Firenze
5.15	The challenges of the indigenous perspective on water security in the Amazon region	Antonina Torrens	Universitat de Barcelona
5.16	Bioplastics accelerated degradation under simulated conditions: generating data for including their end-of-life in LCA studies	Brais Vázquez Vázquez	Universidade de Santiago de Compostela
5.17	Development of an integrated framework for life-cycle economic, environmental, and human health impact assessment for urban water systems	Yuyao WANG	The University of Hong Kong

