POSTER						
POSTER SESSION October 2 - 3:15 - 3:30 PM Building 19						
Time	Poster n.	Abstract ID	Title	Authors	Presenter	Affiliation
3:15 - 3:30 PM	1	006_Fonseca	Study of the Adsorption Process of Methyl Violet Dye in Sugar Cane Bagasse	M. F., Pereira Fonseca, P., Procópio Pontes	Patrícia Pontes	Centro Federal de Educação Tecnológica de Minas
	2	010_Cosenza	Evolution of wastewater purification: a historical perspective on innovation, regulation and knowledge transfer	B., Cosenza, A., Siragusa, G., Mappa	Angelo Siragusa	Independent Researcher
	3	020_Abagnato	Analysis of textile waste streams for regional planning: the Lombardy region case study	S., Abagnato, M., Grosso, L., Rigamonti	Samuele Abagnato	Politecnico di Milano
	4	022_DiCapua	Enhancing the adsorption potential of multi-layered graphene obtained from thermo-plasma expanded graphite for the removal of volatile organic compounds and dyes from water	F., Di Capua, M., Cuccarese, A., Faraji, I. M., Mancini, D., Caniani, S., Masi	Francesco Di Capua	Università della Basilicata
	5	028_Pasciucco	Removal of recalcitrant COD from secondary tannery effluent at neutral pH by electrochemical peroxidation technology	E., Pasciucco, F., Pasciucco, R., Iannelli, I., Pecorini	Erika Pasciucco	Università di Pisa
	6	038_Collivignarelli	Sludge Treatment & Advanced Recycling (STAR): complete synergy between mesophilic and thermophilic processes	M. C., Collivignarelli, A., Abbà, S., Bellazzi, G., Guido, R., Pedrazzani, G., Bertanza	Stefano Bellazzi	Università di Pavia
	7	041_Fdez-Sanromán	Bimetallic Metal-Organic Frameworks: Efficient Catalysts for Water Disinfection via Advanced Oxidation Processes	A., Fdez-Sanromán, D., Terron, B., Lomba-Fernández, E., Rosales, M.A., Sanromán, M., Pazos Currás	Marta Pazos Currás	Universidade de Vigo
	8	042_Fdez-Sanromán	Enhancing pollutant adsorption and adsorbent regeneration via Electro- or Photochemical integration	A., Fdez-Sanromán, N., Bermudez, B., Lomba-Fernández, A., Diez, E., Rosales, M.A., Sanromán, M., Pazos Currás	Marta Pazos Currás	Universidade de Vigo
	9	054_Castelluccio	Assessing Environmental Performance and Sustainability in Industrial Sectors: A Methodological Approach	S., Castelluccio, C., Comoglio, S., Fiore	Stefano Castelluccio	Politecnico di Torino
	10	066_Fazzino	Unveiling the suitability of fluorescence indexes as surrogates for the in situ monitoring of contaminants of emerging concern removal through advanced oxidation processes designed for wastewater reuse	F., Fazzino, P.,Roccaro	Filippo Fazzino	Università di Catania
	11	075_Grisolia	Design and development of nanostructured systems based on mesoporous silica for the capture of environmental contaminants	A., Grisolia	Antonio Grisolia	Università della Calabria
	12	162_Rizzardi	A model-based approach for estimating PAO activity in aerobic granular sludge	G., Rizzardi, A., Catenacci, R., Canziani, A., Turolla	Giacomo Rizzardi	Politecnico di Milano
	13	083_Limonti	Treatment of real pharmaceutical effluents through the homogeneous Fenton process	C., Limonti, T., Andreoli, G.M., Curcio, E.G., Aucancela Riveira, A., Siciliano	Giulia Maria Curcio	Università della Calabria
	14	084_Santos	Treatment of NAPL-contaminated emulsions by temperature-intensified alkaline persulphate	A., Santos, A., Sánchez-Yepes, A., Romero, D., Lorenzo	Aurora Santos	Complutense University of Madrid
	15	093_Foladori	Assessment of the removal of micrometer-scale plastics in the stages of wastewater treatment plants using flow cytometry	P., Foladori, A.,Torboli, L., Bruni	Alessia Torboli	Università di Trento
	16	108_Capone	Utilize HTC products for sustainable Biogas production through Anaerobic Digestion of Sewage Sludge	A., Capone, A., Panico, L., Zaccariello, B., Morrone	Annalinda Capone	Università della Campania Luigi Vanvitelli
	17	117_Lega	Environmental impact assessment involving advanced multispectral techniques to characterize pollution phenomena and improve situational awareness: a case study on the Avernus Lake	M., Ajaoud, C., Ciccarelli, M., Lega	Mohammed Ajaoud	Università di Napoli Partenope
	18	124_Adejunmobi	Circular economy in the treatment of aluminium scrap metal	D., Adejunmobi, S., Sorlini , A., Abbà	Dorcas Adejunmobi	Università di Brescia
	19	130_Caretti	Removal of BTEX from water using KOH activated hydrochar produced by hydrothermal carbonization of municipal solid waste	C., Caretti, I., Ducci, R., Campo , B., Chamnok , M., Puccini , F., Barontini, S., Dugheri, R., Gori	Cecilia Caretti	Università di Firenze
	20	021_Collivignarelli	Removal of emerging pollutants using biochar recovered from sewage sludge	M. C., Collivignarelli, M., Baldi, S., Bellazzi, S., Sorlini, A., Papetti, C., Milanese	Maria Cristina Collivignarelli	Università di Pavia
	21	147_Spacilova	Complex water treatment – from pharmaceuticals to microplastics	M., Spacilova , P., Dytrych , M., Dlaskova, O.,Solcova	Marketa Spacilova	Institute of Chemical Process Fundamentals CAS, v.v.i
	22	148_Snajdaufova	Fluidized bed co-combustion of used toner cartridges with sewage and paper mill sludge	H., Snajdaufova, M., Carsky, M., Jadlovec, S.,Honus, O.,Solcova	Hana Snajdaufova	Institute of Chemical Process Fundamentals CAS, v.v.i
	23	149_Moravkova	Farmland from brownfields by animal waste hydrolysate	L., Moravkova, M., Dlaskova, F., Kastanek, O., Solcova	Lenka Moravkova	Institute of Chemical Process Fundamentals CAS, v.v.i
	24	150_Requena Leal	Evaluation of natural and industrial rejection streams on the performance of chloralkaline electrolyzers	I., Requena, M.M., Gomaa ,R.,Granados, C.M., Fernández, J.,Lobato, M.A., Rodrigo	Iñaki Requena	Universidad de Castilla-La Mancha
	25	161_Czellink	From Aerobic Granular Sludge (AGS) to Partial Nitritation Granular Sludge (PN-GS)	J.P., Czellink, J., Pérez , T., Lotti	Jan Pietro Czellink	Università di Firenze
	26	168_Zoccali	Exploring the role of wastewater treatment plants in microplastics management: a scoping review on fate and occurrence.	A., Zoccali, F., Malpei	Alberto Zoccali	Politecnico di Milano
	27	185_Hernandez-Alcayaga	An overview of the available strategies for the start-up process of a MABR	N., Hernandez-Alcayaga, G., Campo , A., Cerutti, M., Zanetti, B., Ruffino	Nicolas Hernandez-Alcayaga	Politecnico di Torino
	28	001_Scotto	Influence of carbon to nitrogen ratio and dilution rate on microbial protein production from cheese whey	A., Scotto di Uccio, S., Matassa, A., Cesaro, G., Esposito, S., Papirio	Antonella Scotto di Uccio	Università di Napoli Federico II
	29	009_Stefano	Valorization of organic-rich waste through membrane-based technologies for volatile fatty acids recovery within the circular economy and sustainability goals	S., Cairone, A., Mahboubi, T., Zarra, V., Belgiorno, M. I., Taherzadeh, V., Naddeo	Stefano Cairone	Università di Salerno
	30	013_Bruno	Hydrometallurgical recycling of cobalt, manganese, and nickel from lithium-ion batteries: effects of microwave carbothermal reduction on the leaching efficiency	M., Bruno, A., Zanoletti, E., Bontempi, S., Fiore	Martina Bruno	Politecnico di Torino
	31	018_Amadei	Modelling the EU plastic value chain and assessing its environmental impacts: approaches, data sources and hotspots towards a circular plastic value chain	A. M., Amadei, L., Rigamonti, S., Sala	Andrea Martino Amadei	Politecnico di Milano
	32	024_Masi	Valorisation of alkaline industrial residues through accelerated carbonation-based treatments	A., Masi, G., Costa, F., Lombardi	Alessandra Masi	Università di Roma Tor Vergata
	33	035_Abuzir	Full-scale anaerobic digestion of source-separated blackwater in UASB at RecoLab, Helsingborg, Sweden	S., Abuzir, M., Domini, G., Bertanz, Å., Davidsson, H., Kjerstadius	Saleh Abuzir	Università di Brescia
	34	039_DiCostanzo	Enhancing anaerobic digestion of sewage sludge through medium-intensity magnetic field pretreatment: an evaluation of process efficiency and biomethane production	N., Di Costanzo, A., Cesaro, F., Di Capua, G., Esposito	Nicola Di Costanzo	Università di Napoli Federico II
	35	063_Orlandella	Review of the perspectives for the valorization of orange peel wastes	I., Orlandella, S., Fiore	Ilaria Orlandella	Politecnico di Torino
	36	072_Abbà	The characteristics of recycled aggregates from c&d waste: results of a monitoring activity following the end-of-waste regulation requirements	A., Abbà, S., Sorlini, A., Piccinali, G., Plizzari	Alessandro Abbà	Università di Brescia
	37	163_Sorino	Polyolefins chemical recycling: experimental investigation of product yields in a semi-continuous pyrolysis of composting plant waste	D., Sorino, L., Bartolucci, S., Cordiner, F., Lombardi, V., Mulone	Davide Sorino	Università di Roma Tor Vergata
	38	176_Grossule	LarWaR Process – BSF LARVAE FOR WASTEWATER TREATMENT AND RESOURCE RECOVERY: state of art and recent developments	V., Grossule, R., Cossu	Valentina Grossule	Università di Padova
	39	232_Ipsale	Co-digestion of agri-food and livestock wastes for boosting biomethane potential	D., Ipsale, B., Pecorino, S.F., Corsino, G., Viviani, M., Torregrossa	Daniele Ipsale	Università di Palermo
	40	238_Illuminati	Potential Bio Hydrogen production: Co-digestion of mixed agricultural residues	F., Illuminati, R., Savio, M. C., Lavagnolo	Federico Illuminati	Università di Padova
POSTER SESSION October 3 - 3:15 - 3:30 PM Building 19						
3:15 - 3:30 PM	1	008_Leombruni	Full-scale Application in Italy of a Combined ISCR and ERD Technology for the treatment of an Aerobic Aquifer Impacted with Tetrachloromethane and Chloroform	A., Leombruni, M., Mueller	Alberto Leombruni	Evonik Operation GmbH
	2	026_Spasiano	Remediation of sediments contaminated by microplastics: a first approach	D., Spasiano, M., Soufizadeh, R., Morello, A., Ferraro, U., Fratino	Danilo Spasiano	Politecnico di Bari
	3	058_LaCecilia	Towards integrated plant-surface-subsurface hydrological modelling of bioreactive solute transport	D., la Cecilia, C., Lauvernet, C., Paniconi, M., Camporese	Daniele La Cecilia	Università di Padova
	4	121_Raso	Characterization and control of particulate matter in ambient air: instruments, techniques and interferences	L., Raso , V., Marino , M.R., Della Rocca , V., Belgiorno, V., Naddeo, T., Zarra	Lorenzo Raso	Università di Salerno
	5	141_Tran	Assessing the Impact of Climate Change on Water Quality Parameters in the Brescia Water Supply System	H. T. K.,Tran, A., Silvia, S., Sorlini	Thi Kim Hoan Tran	Università di Brescia
	6	171_Craveri	Behavior of membrane distillation in the treatment of a diverse range of real and industrial water streams: challenges and future perspectives	L., Craveri, E., Bertozzi, M., Malaguti, M., Frappa, F., Macedonio, A., Figoli, A., Tiraferri	Lorenzo Craveri	Politecnico di Torino
	7	175_Lucia	Exploring the effect of citrus industry by-products as nitrogen fertilizer for wheat growth	C., Lucia, C., Conigliaro, F., Macina, S.M., Muscarella, V.A., Laudicina	Caterina Lucia	Università di Palermo
	8	182_Beringheli	Combined sewer overflows as a critical source of microplastics input to the aquatic environment	G., Beringheli, S. F., Corsino, M., Carciola, M., Torregrossa	Giuseppe Beringheli	Università di Palermo
	9	188_Gover	Advance in SODIS through the addition of a photosensitive agent	E., Gover, C., Comuzzi, M., Marino, D., Goi	Elisabetta Gover	Università di Udine
	10	189_Sorrenti	An innovative solar greenhouse for enhanced sewage sludge drying: a case study	A., Sorrenti, S. F., Corsino, M., Torregrossa	Alice Sorrenti	Università di Palermo
	11	194_Baccini	Pollutant concentrations around Vegetative Environmental Buffers for livestock facilities: onsite surveys for two sites	L., Baccini, E., Cortus, F. G. A., Vagliasindi	Luca Baccini	Università di Catania
	12	196_Tosco	Utilizing Agro-food Waste as Soil Amendment to Mitigate Pesticide Leaching into Subsoil	M., Granetto, C., Bianco, R., Sethi, T., Tosco	Tiziana Tosco	Politecnico di Torino
	13	207_Mulone	Comparison between continuous stirred tank reactor (CSTR) and plug-flow reactor (PFR) for excess sludge minimization in CAS-ASSR-based process	S., Mulone, M., Capodici, S.F., Corsino, M., Torregrossa	Sara Mulone	Università di Palermo
	14	211_Maida	Assessment of early warning capacity of wastewater-based epidemiology for SARS-CoV-2 and Influenza virus: a synthesis of a 4-year experience in Sicily, Italy	M., Maida, C., Panebianco, F., Iraniboni, M., Pazzuto, G., Cabibbe, F.R., Iaia, A., Russo, V., Giangreco, G., Graziano, F., Vitale, C.M., Maida	Carmelo Massimo Maida	Università di Palermo
	15	214_Panepinto	Analysis of the pfas treatment and regulation	D., Panepinto, B., Ruffino, S., Frisario, M., Zanetti	Deborah Panepinto	Politecnico di Torino
	16	216_Russo Tiesi	Surfactant enhanced remediation of marine sediments using anionic, non-ionic and mixed surfactants: role of operational conditions	M., Russo Tiesi, G., Di Bella, E., Licitra, G., Vinti, G., Viviani, D., Di Trapani	Manuela Russo Tiesi	Università di Palermo
	17	220_Ricoveri	Preliminary results of Sequencing Batch Reactor (SBR) and Integrated Fixed Activated Sludge Reactor (IFAS) inoculated with solar saltern sediments in the treatment of hypersaline wastewater	A., Ricoveri, R., Campo, D., Bacchi, D., Gabriel, G., Munz	Riccardo Campo	Università di Firenze
	18	221_Sadfi-Zouaoui	Microbial Quality Control on Soil irrigated by treated secondary wastewater: case tomato plant	R., Werheni Ammeri, S., El Bouali, M., Ouesslati, N., Sadfi-Zouaoui	Rim Werheni Ammeri	Faculty of Sciences of Tunis
	19	223_Sadfi-Zouaoui	Diversity and Toxicological Potential of Fungal Contaminants in Tunisian Citrus Fruits: Implications for Food Safety and Public Health	D., Souei, S., Abidi, R., Hammami, I., Hamdene, C., Luis, G., Meca De Cano, N., Sadfi-Zouaoui	Najla Sadfi-Zouaoui	Faculty of Sciences of Tunis
	20	224_Hajjaji	Continuous removal of VOCs and bacteria in a LED planar reactor: effect of operating parameters and kinetics modeling.	M.A., Hajjaji, A., Bouzaza, A., Amrane, A., Hajjaji, A., Assadi	Mohamed Aziz Hajjaji	Ecole Nationale Superieure de Chimie de Rennes
	21	225_Castiglione	Vulnerability Scenario Characterization using a Natech Indicator and a Territorial Multi-hazard Approach.	M., Castiglione, S.F., Corsino, M., Torregrossa	Maria Castiglione	Università di Palermo
	22	231_Vaccari	Gamifying Training to Enhance Sustainable Occupational Health and Safety in Waste Treatment Plants: the SOHS project	M., Barricelli, B.R., Hammouda, I., Gabriel, G., Dal Palma, D., Fogli, M., Gremo, N., Leonardi, M., Micheletti, N., Ramovus, F., Sala, M.,Vaccari	Barbara Rita Barricelli	Università di Brescia
	23	236_Viviani	Removal of aluminium from a low - mineral content groundwater: a case study	S., Nicosia, G., Viviani	Salvatore Nicosia	Università di Palermo
	24	241_Carnesi	Water reuse from wastewater: comparison between MBR and tertiary filtration processes	M., Carnesi, P. M., Bosco Mofatto, A., Mineo, A., Cosenza, D., Di Trapani, G., Mannina	Marika Carnesi	Università di Palermo
	25	242_Cosenza	Transition to circular economy: the case study of Corleone wastewater treatment plant	A., Cosenza, M., Carnesi, D., Di Trapani, H., Gülhan, A., Mineo, P. M., Bosco Mofatto, G., Mannina	Paulo Bosco Mofatto	Università di Palermo
	26	123_Corsino	Nutrients removal in intermittently aerated IFAS systems: effects of operating conditions	S.F., Corsino, E., Licitra , M., Torregrossa, G., Di Bella	Santo Fabio Corsino	Università di Palermo
	27	244_Cecchini	Advanced oxidation processes applied to microplastics degradation: a preliminary experimental study	F.,Cecchini, V., Innocenzi, M., Prisciandaro	Federico Cecchini	Università di L'Aquila
	28	004_Ceraso	Indicators and parameters for the Life Cycle Sustainability Inventory of Municipal Solid Waste Management Systems	A., Ceraso, A., Cesaro	Annachiara Ceraso	Università di Napoli Federico II
	29	011_Camevale	Life cycle assessment of a new approach for micro-PET recovery from domestic laundry wastewater and subsequent valorisation into amino acids	M. Camevale Miino, A. P. D., Balitrocchi, F., Conti, E. C., Rada, V., Tometta	Marco Camevale Miino	Università dell'Insubria
	30	032_Prematthilake	Life cycle-based assessment of graphite recovery from spent Li-ion batteries	D. S., Prematthilake, W. A.M.A.N., Illankoon, A. B., Botelho Junior, D., Crocce Romano Espinosa, M., Vaccari	Dilshan Sandaruwan Prematthilake	Università di Brescia
	31	062_Nastasi	Remanufacturing of off-road vehicles spare parts: process analysis and environmental assessment	L., Nastasi, S., Fiore	Livia Nastasi	Politecnico di Torino
	32	071_Martínez-Alcalá	Carbon Lifecycle Management Through Innovative Forest Land Management and Regulatory Frameworks	I., Martínez-Alcalá , I.I.,Durán-Sánchez, R.,Martínez-Alpañez, V., Meseguer-Sánchez	Isabel M Martínez Alcalá	Universidad Católica de Murcia
	33	079_Kumar	From dissipative to assimilative wastewater treatment: the potential of hydrogen-oxidizing bacteria to upcycle nitrogen and mitigate greenhouse gas emissions from wastewater	M., Kumar, S., Matassa, C., Belloni, F., Pirozzi, G., Esposito, S., Papirio	Manoj Kumar	Università di Napoli Federico II
	34	101_Castro	Sustainable Electrochemical Reduction of contaminants of emerging concern and Pathogens in WWTP effluent for Irrigation of Crops (SERPIC)	Santos, A. I., Gomes, V. J.P., Vilar, A., Wolf, P., Krzeminski, M., Botes, L.,Gibler, C., Sáez, M.A., Rodrigo	Paola Verlicchi	Universidad de Castilla-La Mancha
	35	129_Torrejón Guerrero	Application of diverse types of hydrogels as separators in microbial fuel cells	I., Torrejón , C., Martín, R., Granados, A., Rodríguez, M.A., Rodrigo, E., Vázquez, C.M., Fernández	Isabel Torrejón Guerrero	Universidad de Castilla-La Mancha
	36	135_Ravina	Testing low-cost materials for nutrients adsorption in wastewater	M., Ravina, E., Marotta, M.C., Zanetti.	Marco Ravina	Politecnico di Torino
	37	169_Fiaschi	Combining material flow analysis and life cycle assessment to support decision-making of municipal solid waste management: a case study in Catalonia	S., Fiaschi, C., Lubello, L., Talens Peiró	Stefano Fiaschi	Università di Firenze
	38	218_Campisi	A chain for the treatment of oilfield produced waters: case study and experimental analysis	G., Campisi, A., Sorrenti, A., Cosenza, S., Randazzo, S.F., Corsino, M., Capodici, A., Tamburini, G., Micale	Giovanni Campisi	Università di Palermo
	39	240_Mannina	Resource recovery hub for net zero carbon and climate change mitigation	Y., Di Leto, P., Bulacio Fisher, G., Gallo, A., Laudicina, A., Mineo, P. M., Bosco Mofatto, S. M., Muscarella, G., Mannina	Alida Cosenza	Università di Palermo
	40	187_Di Vincenzo	Early warning system and decision support system for catchment	M., Di Vincenzo	Marcello Di Vincenzo	Xylem Water Solutions
	41	118_F. Mena	Removal of pesticides from olive orchards through electrochemical generation of ozone and hydrogen peroxide	I. F., Mena, C., Navas-Higuero, E., Lacasa, A.I., Manzaneda, M. A., Rodrigo, C., Sáez	Cristina Navas-Higuero	Universidad de Castilla-La Mancha