

All times are in Turkey Local Time - GMT +03:00 / CET +01:00 / UTC +03:00

REGISTRATION - 5 SEPTEMBER 2021

DAY 1 - MORNING SESSION - 6 SEPTEMBER 2021

10:30	11:15	Main Hall: CONFERENCE OPENING AND WELCOME SPEECH Dr. Kalanithy Vairavamoorthy - IWA Executive Director (UK) Dr. Gökşen Çapar - IWA 4 th Resource Recovery Conference 2021 Conference Co-Chair (TR) Tom Mollenkopf - IWA President and Board Member (UK)		
11:15	11:45	Main Hall: PLENARY PRESENTATION Lessons Learnt on Taking Resource Recovery Technology up the TRL Levels all the Way to Implementation Dr. Francesco Fatone (IT)		
11:45	12:15	BREAK		
		Hall 1: Session 1 High Value Bioproducts/Chemicals Chair: Dr. Ilje Pikaar (AU)	Hall 2: Session 2 Industrial Symbiosis Chair: Dr. Gökşen Çapar (TR)	Hall 3: Session 3 Energy Recovery Chair: Dr. Yasemin Dilşad Yilmazel (TR)
12:15	12:35	KEYNOTE Circular Use of Coagulants Through Integrated Urban Water Management Dr. Ilje Pikaar (AU)	KEYNOTE Towards Water Smart Industrial Symbiotic Systems Dr. Gerard van den Berg (NL)	KEYNOTE A Route to Low Carbon, Energy Positive Sewage Treatment Peter Vale (UK)
12:35	12:50	Exploring the synergy between carbon capture and utilization and microbial protein production for a more sustainable food chain Lotte Rosa Van Peteghem, Myrsini Sakarika, Silvio Matassa, Ilje Pikaar, Ramon Ganigué, Korneel Rabaey	A novel approach in nZVI synthesis: reducing agent hydrazine recovery from deammonification wastewater Esra Erken, Ceren Hür, Bilge Alpaslan Kocamemi	Enhancing biogas production from the anaerobic treatment of municipal wastewater by forward osmosis pretreatment Soraya Zahedi, Federico Ferrari, Gaetan Blandin, Jose Luis Balcazar, Maite Pijuan
12:50	13:05	What is the best operational strategy to valorize protein-rich streams into polyhydroxyalkanoates (PHA)? Alba Roibás Rozas, Ángeles Val Del Río, Almudena Hospido, Anuska Mosquera Corral	Smart water and efficient management in large industrial sites: the Italian case study of Aretusa Cecilia Bruni, Marco Parlapiano, Massimiliano Sgroi, Anna Laura Eusebi, Giovanna Darvini, Camillo Palermo, Francesco Fatone	Evaluation of electricity generation from pretreated sewage sludge with α -amylase and peracetic acid using microbial fuel cells Lucía González Espinoza, Petia Mijaylova Nacheva, Edson Baltazar Estrada Arriaga, Iván Moreno Andrade
13:05	13:20	Sustainable polyhydroxyalkanoates production from municipal waste streams: Pure cultures vs. Mixed cultures Kasra Khatami, Mariel Perez Zabaleta, Zeynep Cetecioglu	An investigation on the potential use of waste sericin as a fish feed additive in aquaculture Goksen Capar, Levent Dogankaya	Hyperthermophilic biohydrogen production from untreated cattle manure by <i>Caldicellulosiruptor bescii</i> Berivan Tunca, Feride Ece Kutlar, Aykut Kas, Yasemin Dilsad Yilmazel
13:20	13:35	The production of a newly discovered PHA family member, poly(3-hydroxyisobutyrate), and poly(3-hydroxybutyrate), from isobutyrate using a microbial enrichment Chris Maarten Vermeer, Larissa Jennigje Bons, Robbert Kleerebezem		Reinventing the solids train by incorporating hydrothermal liquefaction into a wastewater treatment plant Alper Ibrahim Basar, Huan Liu, Paul Kadota, Cigdem Eskicioglu
13:35	14:05	BREAK / POSTER SESSION		

DAY 1 - AFTERNOON SESSION - 6 SEPTEMBER 2021

		Hall 1: Session 4 High Value Bioproducts/Chemicals Chair: Dr. David Weissbrodt (NL)	Hall 2: Session 5 Pilot / Full Scale Applications Chair: Dr. Francesco Fatone (IT)	Hall 3: Session 6 Energy Recovery Chair: Dr. Hale Özgün-Erşahin (TR)
14:05	14:25	Survivability of accumulated PHA in municipal surplus activated sludge <u>Ruizhe Pei</u> , Nouran Tarek Bahgat, Robbert Kleerebezem, Mark Van Loosdrecht, Alan Werker	KEYNOTE Generating Sustainable Value Through Municipal Sewage: Brazilian Experiences from Research to Innovation Dr. Gustavo Rafael Collere Possetti (BR)	Comparative analysis on digestibility of the waste activated sludge (WAS) and aerobic granular sludge (AGS) <u>Busra Cicekalan</u> , Muhammed Furkan Aras, Sadiye Kosar, Fatme Busra Yaman Buyukbuberoglu, Gulin Ucas, Mustafa Evren Ersahin, Ismail Koyuncu, Hale Ozgun
14:25	14:40	Selective growth of PHA-storing biomass to maximize the production of PHA by waste activated sludge <u>Ángel Estévez Alonso</u> , María Arias Buendía, Mark C.m. Van Loosdrecht, Robbert Kleerebezem, Alan Werker	Nitrogen and phosphorus recovery and valorization in urban WWTP: a holistic point of view of the whole value chain <u>Álvaro Mayor Pillado</u> , Adriana Romero Lestido, Joana Tobella Brunet, Eva Mena Gil, Philippe Rouge None, Pilar Rodriguez Gutierrez, Clement Roche None, Carmen Biel Loscos, Mar Carreras Sempere, Jose Luis Cortina Pallas, Cesar Valderrama Ángel	Exploring the effect of the temperature in anaerobic digestion of slaughterhouse wastewater: bioenergy, pharmaceutical compounds and antibiotic resistance genes Soraya Zahedi, Gros Meritxell, Balcazar Jose Luis, Petrovic Mira, <u>Pijuan Maite</u>
14:40	14:55	From wastewater cellulose to biopolymers with strong flocculent properties <u>Etienne Paul</u> , Ana Morgado Ferreira, Jean Noël Louvet, Mansour Bounouba, Elise Blanchet, Sylvaine Berger, Dores Cirne, Yolaine Bessière	Environmental assessment of an Italian wastewater resource recovery facility: Castelfranco Salvatronda case study <u>Alessia Foglia</u> , <u>Corinne Andreola</u> , Giulia Cipoletta, Cecilia Bruni, Nicola Frison, Anna Laura Eusebi, Francesco Fatone	Kinetic evaluation of organic carbon degradation in large-scale wastewater treatment plants with low biogas yield <u>Goksin Ozyildiz</u> , Didem Okutman Tas, Gulsum Emel Zengin, Didem Guven, Ece Sagir Kurt, Ezgi Atli, Nigar Eyit, Emine Cokgor, Nazik Artan, Güçlü Insel
14:55	15:10	Valorization of structural extracellular polymeric substances (EPS) from aerobic granular sludge (AGS) as hydrogels <u>Benedetta Pagliaccia</u> , Sidonie Durieux, Yolaine Bessiere, Mansour Bounouba, Abdo Bou Sarkis, Elisabeth Girbal Neuhauser, Claudio Lubello, Tommaso Lotti, Etienne Paul	In-line measurement and significance of dissolved methane in anaerobic wastewater treatment applied to temperate climates <u>Eleonora Pissoni</u> , Richard Smith, Peter Vale, Bruce Jefferson, Ana Soares	Valorization of olive mill effluent with oligenous Yarrowia Lipolytica <u>Gamze Ceylan Perver</u> , Mahmut Altınbaş
15:10	15:25	Pickle brine as renewable feedstock for biopolymer production using mixed microbial cultures <u>Guclu Insel</u> , Gulsum Emel Zengin Balci, Didem Guven, Didem Okutman Tas, Goksin Ozyildiz, Dilara Ozturk, Ezgi Ayisigi, Ayse Guventurk, Emine Cokgor	Zero-liquid discharge treatability of oral liquid and oral solid formulation facility using membrane biological reactor, reverse osmosis system with dual effect evaporator <u>Chandrabose Rushanth</u> , Aynkaran Aymmugan	
15:25	15:55	BREAK / POSTER SESSION		
		Hall 1: Session 7 High Value Bioproducts/Chemicals Chair: Dr. Elif Genceli Güner (TR)	Hall 2: Session 8 Nutrients Recovery & Reuse Chair: Dr. Merle De Kreuk (NL)	Hall 3: Session 9 Urine Valorization Chair: Dr. Céline Vaneekhaute (CA)
15:55	16:15	Chemostat vs. sequencing batch reactor: Do we have a choice for bioplastics production from municipal wastewater? <u>Antoine Brison</u> , Cécile Bettex, Nicolas Derlon	KEYNOTE Membrane Crystallisation as an Enabling Technology for Resource Recovery: From Controlling Mechanism to Widescale Application Dr. Ewan McAdam (UK)	A comprehensive mathematical model to optimize nutrient recovery and recycling during composting <u>Eric Walling</u> , Céline Vaneekhaute
16:15	16:30	Recovery of rare earth elements from e-wastes in circular economy framework <u>Ayşe Yuksekdağ</u> , Borte Kose Mutlu, Ismail Koyuncu,	Recovery of crucial nutrient ions through engineered magnetic nanoparticles Busra Kaya, Anett Gulyass, <u>Neslihan Semerci</u> , Zehra Semra Can, Seval Genç,	N₂O emissions during urine nitrification <u>Valentin Faust</u> , Wenzel Gruber, Ramon Ganigué, Siegfried E. Vlaeminck, Kai M. Udert,
16:30	16:45	The effect of pH on the removal and recovery of boron from water <u>Öykü Mutlu Salmanlı</u> , Ismail Koyuncu	Enhanced secretions of algal cell-adhesion molecules and metal ion-binding exoproteins promote self-flocculation of Chlorella sp. recovering nutrients from wastewater <u>Zhipeng Chen</u> , Shuang Qiu, Shijian Ge	Enhanced phosphorus removal and struvite recovery from fresh urine using biomineralisation <u>Robert Edward Colston</u> , Pete Vale, Ajay Nair, Tom Stephenson, Ana Soares,
16:45	17:00	Recovery of Industrial Waste Borax Solution by Eutectic Freeze Crystallization <u>Ayşegül Okumuş</u> , Mehmet Emre Kenar, Fatma Elif Genceli Güner	Recovering high-value P-K fertilizer from effluents by integrating adsorption and electro dialysis with bipolar membranes <u>Ru Liu</u> , Oded Nir	Nitrogen recovery from urine using clinoptilolite N. Chatzi, <u>E Nyktari</u> , N. Kouris, S. Malamis
17:00	17:15	Evaluation of pickle brine as the source of organic acids for biopolymer production Ezgi Ayisigi, <u>Didem Güven</u> , Dilara Ozturk, Goksin Ozyildiz, Gulsum Emel Zengin, Tugba Olmez Hanci, Ece Tukenmez, Elif Banu Gencsoy, Bunyamin Karagoz, Guclu Insel, Emine Cokgor	Fermentation of sievings from domestic wastewater for improvement of biological nutrient removal <u>Mathijs Oosterhuis</u> , Magela Odriozola, Merle De Kreuk	Stabilization of fresh human urine by inhibition of enzymatic ureolysis using magnesium oxide: a pre-step to alkaline urine dehydration <u>Chinmoy Deb</u> , Prithvi Simha, Dyllon Randall, Bjorn Vinnerås

DAY 2 - MORNING SESSION - 7 SEPTEMBER 2021

		Main Hall: PLenary PRESENTATION		
11:30	12:00	Urban Sanitation in Africa: Coverting Human Waste into Electricity, Fertilizer and High Other High Margin Products Karie James (KE)		
12:00	12:30	BREAK		
		Hall 1: Session 10 Phosphorus Recovery Chair: Dr. Yang Jiakuan (CN)	Hall 2: Session 11 High Value Bioproducts/Chemicals Chair: Dr. Tim Hülsen (AU)	Hall 3: Session 12 VFA and Organics Recovery Chair: Dr. Zeynep Cetecioglu-Gurol (SE)
12:30	12:50	KEYNOTE Phosphorus Recovery and the European Green Deal: What may be the Effect of Policies, Strategies, Missions and Action Plans Ludwig Hermann (AT)	KEYNOTE Practical Implementation of a Modular and Scalable 1m³ Outdoors Flat Plate Photobioreactor for Resource Recovery with Purple Phototrophic Bacteria Dr. Tim Hülsen (AU)	KEYNOTE The Fast & The Curious: Understanding Microbiomes to Develop High-rate Fermentation Processes Dr. Ramon Ganigué (BE)
12:50	13:05	Phosphorus recovery from the liquid phase of anaerobic digestate using biochar derived from ferric sludge: A potential phosphorus fertilizer <u>Xiao Keke</u> , Wang Hui, Yang Jiakuan	A mechanistic model for purple bacteria in raceway reactors: Simulating microbial selection and wastewater treatment performance <u>Abbas Alloul</u> , Giorgio Gardella, Marta Cerruti, Siegfried E. Vlaeminck, Edo Abraham, Ralph E. F. Lindeboom, David G. Weissbrodt	Steering carbohydrate mixed-culture fermentations towards lactic acid assisted by resource allocation modelling <u>Alberte Regueira</u> , Juan M. Lema, Marta Carballa, Miguel Mauricio Iglesias
13:05	13:20	Recovery of nutrients via struvite precipitation using waste magnesite powder <u>Feride Ece Kutlar</u> , Yasemin Dilsad Yilmazel	Implications of light attenuation for the upscaling of mixed purple phototrophic bacteria processes <u>Gabriel Capson Tojo</u> , Damien J. Batstone, Tim Hülsen	Manipulation of mixed microbial culture by bioaugmentation for desired volatile fatty acids composition <u>Merve Atasoy</u> , Zeynep Cetecioglu
13:20	13:35	Effect of humic substances on phosphate recovery using struvite precipitation <u>Javier Pavez</u> , Widya Prihesti Iswarani, Jules Van Lier, Merle De Kreuk	Effect of pH and light intensity on the growth, protein content and PHA formation of purple non-sulphur bacteria treating fuel synthesis wastewater <u>Afrah Siddique</u> , Annette Shoba Vincent, Hamish R Mackey	Closing the gap between lab-scale and full-scale production of volatile fatty acids from wastes: The impact of substrate variability <u>Isaac Owusu Agyeman</u> , Elzbieta Plaza, Zeynep Cetecioglu
13:35	13:50	Optimization of phosphorus recovery using ion exchange impregnated with adsorptive iron oxide nanoparticles <u>David Alexandre Desrosiers</u> , Céline Vaneckhaute	The green biorefinery: from grass to lactic acid and microbial protein <u>Myrsini Sakarika</u> , Eleftheria Ntagia, Brecht Delmoitié, Ioanna Chatzigiannidou, Xavier Gabet, Ramon Ganigué, Korneel Rabaey	Volatile fatty acids from urban wastewater and sewage sludge: batch test experiments <u>Giorgio Mannina</u> , Dario Presti, Giuseppe Gallo, Alida Cosenza
13:50	14:20	BREAK / POSTER SESSION		

DAY 2 - AFTERNOON SESSION - 7 SEPTEMBER 2021

		Hall 1: Session 13 Phosphorus Recovery Chair: Dr. Chris Thornton (BE)	Hall 2: Session 14 Chain Elongation Chair: Dr. Largus T. Angenent (DE)	Hall 3: Session 15 Economic and Environmental Sustainability Chair: Dr. Evina Katsou (UK)
14:20	14:40		KEYNOTE Carbon Fixation by Mixotrophic Chain Elongation Processes Dr. Sabine Kleinsteuber (DE)	KEYNOTE Circular Economy & Sustainability in the Water Sector: from Data to Smart Water Systems Dr. Evina Katsou (UK)
14:40	14:55	Sustainable regeneration of a new hybrid anion exchange nanotechnology (HAIX-Nano) for phosphorus removal and recovery <u>Xavier Foster</u> , Céline Vaneekhaute	Towards upgrading glycerol and carbon dioxide into succinic acid based on open-culture anaerobic fermentation <u>Patrick Schweizer</u> , Largus T. Angenent	Life cycle assessment of sericin recovery from silk degumming wastewaters <u>Gökşen Çapar</u> , Tolga Pilevneli, Ülkü Yetiş, Filiz Bengü Dilek
14:55	15:10	Hydrothermal carbonization of sewage sludge: optimization of phosphorous recovery <u>Gemma Mannarino</u> , Andrea Luca Tasca, Riccardo Gori, Massimo Aiello, Sandra Vitolo, Monica Puccini	Microbial recycling of biodegradable plastics: PLA food packaging chemical hydrolysis and consequent chain elongation to carboxylic acids <u>David P.b.t.b. Strik</u> , Brian Heusschen	Potential of irrigation return flow (IRF) to reuse in irrigation with three alternatives in Turkey <u>Irem Karahan</u> , Numan Habip, Arife Ozudogru, Yusuf Basaran, Bilal Dikmen
15:10	15:25	Phosphorus recovery from sewage sludge ash: leaching and precipitation conditions for high-value fertilizer production <u>Gaia Boniardi</u> , Andrea Turolla, Roberto Canziani, Enrico Gelmi, Laura Fiameni, Elza Bontempi	Nutritional and operational requirements to apply granular biofilms for lactic acid-mediated chain elongation Ramon Ganigue, <u>Quinten Mariën</u> , Barbara Ulčar, Eline Hendriks, Benjamin Vanthuyne, Korneel Rabaey, Jose Carvajal Arroyo, Pieter Candy	Environmental and socioeconomic assessment of innovative resource recovery technologies on municipal wastewater Giulia Cipolletta, <u>Alessia Foglia</u> , Cecilia Bruni, Anna Laura Eusebi, Nicola Frison, Evina Katsou, Francesco Fatone
15:25	15:40	Phosphorous adsorption and recovery from municipal wastewater with a hybrid ion exchange resin: long-term assessment of the process performances <u>Dario Frascari</u> , Sara Bovina, Giorgia Rubertelli, Davide Pinelli, Samuela Guida, Ana Soares	Lactic acid addition increases valerate yield in granular mixed culture glucose fermentation <u>Tomas Allegue Martinez</u> , Ramis Rafay, Mauricio Patón, Jorge Rodriguez	Water reuse in hydroponic plant production: a new facet in agricultural food production <u>Michaela Fischer</u> , Martina Winker
15:40	16:10	BREAK / POSTER SESSION		
		Hall 1: Session 16 Water Recovery & Reuse Chair: Dr. Özlem Karahan Özgün (TR)	Hall 2: Session 17 Chain Elongation Chair: Dr. David P.B.T.B. Strik (NL)	Hall 3: Session 18 Economic and Environmental Sustainability Chair: Dr. Kees Roest (NL)
16:10	16:30	KEYNOTE Ozone-BAC Based Advanced Treatment of Reclaimed Water for Indirect Potable Reuse in Inland Regions Dr. Krishna Pagilla (USA)	Chain elongation fermentation enables the formation of branched medium chain fatty acids and alcohols for resource recovery <u>Kasper Daniël De Leeuw</u> , Theresa Ahrens, Cees J.N. Buisman, David P.B.T.B. Strik	An operational decision support tool for assessing the eco-efficiency of resource recovery from wastewater <u>Maria Faragò</u> , Martin Rygaard, Morten Rebsdorf
16:30	16:45	Nutrients and brine valorization through advanced water reclamation process: The case of the city of Murcia <u>Mateo Bruno Pastur Romay</u> , Eva Mena, Benoit Lefevre, Jose Luis Cortina, Julio Lopez, Celia Castro Barros, Joana Tobella	Acid whey to MCCs and then to drop-in fuel – how to do the triple-step <u>Richard Hegner</u> , Monika Temovska, Katharina Neubert, Luis F.M. Rosa, Falk Harnisch, Largus T. Angenent	Economic and cross-media effect analysis for caustic recovery methods from mercerization wastewater Meltem Balkan, <u>Emrah Ozturk</u> , Mehmet Kitis
16:45	17:00	Sim4Reuse: A user-friendly software platform for resource recovery in the Mediterranean Özlem Karahan Özgün, <u>Doğa Binay</u> , Onur Yılmaz Özcan	Potential novel products from extractive chain elongation: vegetable oil enriched with n-caproate and n-caprylate as functionalized feed additive <u>Carlos A. Contreras-Dávila</u> , Cees N. J. Buisman, David P. B. T. B. Strik	Circular economy – A path to full scale resource recovery in Greater Copenhagen, Denmark <u>Dines Erik Thornberg</u> , Nick Ahrensberg, Jeanette Agertved Madsen, Mikkel Holmen Andersen, Ida Leisner, Martin Rygaard
17:00	17:15	Is capacitive electrodialysis a barrier for the transport of organic micropollutants? A decentralized desalination study <u>Lingshan Ma</u> , Leonardo Gutierrez, Malgorzata Roman, Mingsheng Jia, Yu Xue, Arne Verliefde, Emile Cornelissen		Impact and opportunities for the urban water cycle of the ‘fully circular in 2050’ target of the Netherlands - Circular Water 2050 <u>Kees Roest</u> , Aalke Lida De Jong, Henk Jan Van Alphen, Andrew Segrave

DAY 3 - MORNING SESSION - 8 SEPTEMBER 2021

		Main Hall: PLENARY PRESENTATION		
11:30	11:55	Applying a Water Lens to the Circular Economy Dr. Mark Fletcher (UK)		
11:55	12:25	BREAK / POSTER SESSION		
		Hall 1: Session 19 Safe Reuse Chair: Dr. Bilge Alpaslan Kocamemi (TR)	Hall 2: Session 20 Water Recovery & Reuse Chair: Dr. Azize Ayol (TR)	Hall 3: Session 21 VFA and Organics Recovery Chair: Dr. Etienne Paul (FR)
12:25	12:45	KEYNOTE Safe Reuse: Cautiously Ambitious Olaf van der Kolk (NL)	Near Zero Waste Discharge: Recovery of NaCl and Water from Concentrated Industrial Fermentation Waste Stream Fatma Elif Genceli Güner, <u>Zeynep Ekin Karabulut</u> , Serdar Doğruel, Hayrettin Güçlü Insel	Modelling the impact of osmotolerance strategies on the valorization of salt-rich wastewater into volatile fatty acids Alberte Regueira, Riccardo Bevilacqua, Juan M Lema, Marta Carballa, <u>Miguel Mauricio Iglesias</u>
12:45	13:00	Nationwide SARS-COV-2 surveillance study of Turkey for monitoring of Covid-19 spread <u>Bilge Alpaslan Kocamemi</u> , Halil Kurt, Ahmet Sait, Fahriye Saraç, Hamza Kadı, İsmail Aydın, Sabri Hacıoğlu, Cevdet Yaralı, Ahmet Mete Saatci, Bekir Pakdemirli	The effect of wastewater treated with different technologies on yield and water use of drip irrigated safflower Yasemin Senem Kukul, <u>Mehmet Kamil Meriç</u> , Emrah Özçakal, Hatice Gürgülü, Nalan Kabay, Tülay Güngören Madenoğlu, N.j. Falizi	VFA recovery platform for industrial wastewater valorisation <u>Tamara Casero Díaz</u> , Ander Castro Fernández, Vanesa Paramá Pérez, Antón Taboada Santos, Celia María Castro Barros, Marta Carballa Arcos, Miguel Mauricio Iglesias, Álvaro Silva Teira
13:00	13:15	A roadmap for water reuse risk management and safety plan in integrated wastewater and reuse systems <u>Serena Radini</u> , Alessia Foglia, Corinne Andreola, Enrico Marinelli, Çağrı Akyol, Anna Laura Eusebi, Francesco Fatone	Water recovery from textile wastewater with halloysite nanotube-reinforced tight ceramic UF membrane <u>Meltem Ağtas</u> , Mehmet Dilaver, İsmail Koyuncu	Exploring the product inhibition limits in mixed culture glucose fermentation <u>Tomas Allegue</u> , Ramis Rafay, Sanjana Chandran, Jorge Rodriguez
13:15	13:30	Fate of organic micropollutants in reverse electrodialysis using impaired water as a low-salinity stream <u>Lingshan Ma</u> , Leonardo Gutierrez, Marjolein Vanoppen, Arne Verliefde, Emile Cornelissen	Assessment of conventional and advanced treatment processes for endocrine disrupting chemicals (EDCs) in urban wastewater for reuse <u>Özlem Karahan Özgün</u> , Ayşe Dudu Allar Emek, Tuğba Ölmez Hancı, Serdar Doğruel, İsmail Koyuncu, Ceren Eropak Yılmaz, Suna Çınar, Onur Kiraz, Ercan Çitil, Aybala Koç Orhon, Esra Şiltu, Sibel Mine Güçver	Selection and enrichment of chemolithotrophic microbial mixed cultures (MMC) in a H₂/CO₂ fermentation CSTR process for value-added chemicals synthesis <u>Léa Laguillaumie</u> , Yan Rafrafi, Simon Dubos, Mansour Bounouba, Elisabeth Moya Leclair, Etienne Paul, Claire Dumas
13:30	13:45	(Hyper-)thermophilic anaerobic digestion of concentrated BW for pathogen removal and safe nutrient recovery <u>Marinus J. Moerland</u> , Alicia Borneman, Paraschos Chatzopoulos, Adrian Gonzalez Fraile, Miriam H. A. Van Eekert, Lucia Hernández Leal, Grietje Zeeman, Cees J.n. Buisman	Dynamic Membrane Bioreactor Application for Domestic Wastewater Treatment: Resource and Material Recovery from Wastewaters <u>Yaşar Onur Demiral</u> , Azize Ayol	Investigating the performance of different draw solutions in a forward osmosis system <u>Stavroula Kappa</u> , Evangelia Themeli, Simos Malamis
13:45	14:15	BREAK / POSTER SESSION		
		Main Hall: POST CONFERENCE WORKSHOP		
		From Idea to Implementation: Where are We in Resource Recovery?		
		Resource Recovery within HYDROUSA Project <i>Dr. Simos Malamis, National Technical University of Athens (GR)</i>		
		Safe Reuse and Resource Recovery from Non-Conventional Water Resources in the Mediterranean Region - Project FIT4REUSE <i>Dr. Stevo Lavrić, Alma Mater Studiorum - University of Bologna (IT)</i>		
		The WATER-MINING Project and Societal Implications of Resource Recovery from Water Systems <i>Dr. Mar Palmeros Parada, Delft University of Technology (NL)</i>		
		First Experiences from ULTIMATE: Industry Water-utility Symbiosis for a Smarter Water Society <i>Dr. Gerard van den Berg, KWR Water Research Institute (NL)</i>		
		Project-O <i>Dr. Alessandra Biancoprevot, University of Torino (IT)</i>		
16:30	17:00	Main Hall: OFFICIAL CLOSING OF THE CONFERENCE Dr. Gökşen Çapar - IWA 4 th Resource Recovery Conference 2021 Conference Co-Chair (TR) Olaf van der Kolk - IWA Resource Recovery from Water Cluster Co-Chair (NL) Dr. Ilje Pikaar - IWA Resource Recovery from Water Cluster Co-Chair (AU)		