26TH EUROPEAN MEETING ON ENVIRONMENTAL CHEMISTRY (EMEC26) / INTERNATIONAL SCIENCE CONFERENCE

24–27 November 2026, Klaipėda University

Conference Programme

Detailed Programme

24 November 2026

Venue: Chem2Change / Fiasco Fest and institute tour: Marine Research Institute, *Klaipėda University*, Universiteto al. 17, Klaipėda, Lithuania.

EMEC26 opening ceremony and reception: S. Vaitekūno aula, H. Manto 84, Klaipėda, Lithuania.

10.50–11.00 Preconference Event Chem2Change / Fiasco Fest — Registration and Tea or Coffee

11.00–11.10 Chem2Change Introduction

11.10–13.20 Fiasco Fest

13.20–13.30 Group Photo

13.30–14.00 Lunch and Networking

15.00 Marine Research Institute Tour and Meeting

EMEC26 Official Opening

16.30–17.00 EMEC26 Official Opening — Guest Arrival and Welcome — S. Vaitekūno aula

17.00–17.35 EMEC26 Official Opening Ceremony

17.35–18.15 Plenary Lectures

Time	Programme
17.35–17.55	**PL01 Plenary Lecture — Analytical approaches to the assessment of the aquatic environment** Academician, Prof. habil. Dr. Bogusław Buszewski, Magdalena Buszewska-Forajta, Reda Kubiliūtė *International Institute of Analytical Chemistry, Polish Academy of Sciences; Nicolaus Copernicus University; Klaipeda University.* Poland, Lithuania.
17.55–18.15	**PL02 Plenary Lecture — From Scientific Idea to Pilot-Scale Production: A Waste-Paper-Based Sorbent for Aquatic Oil-Spill Remediation** Prof. Dr. Tatjana Paulauskienė, Marija Kataržytė, Jochen Uebe, Nojus Mukauskas, Jolita Petkuvienė, Donata Overlingė, Ringailė Adomaitytė, Deimantė Dumpytė *Klaipeda University; Inobiostar.* Lithuania.

18.20 Welcome Reception

25 November 2026

Venue: Scientific sessions and registration: Studlendas, H. Manto 90-1, Klaipėda, Lithuania.

Lunch: Studlendas, H. Manto 90-1, Klaipėda, Lithuania.

08.00–09.00 Registration

09.00–10.30 Keynote Lectures

Chairs: Academician, Prof. habil. Dr. Bogusław Buszewski; Prof. Dr. Reda Kubiliūtė

Time	Programme
09.00–09.30	**KN01 Keynote Lecture — Organic Air Pollutants – Atmospheric Fate and Distribution.** Prof. Dr. habil. Gerhard Lammel. *Max Planck Institute for Chemistry; RECETOX, Masaryk University.* Germany, Czech Republic.
09.30–10.00	**KN02 Keynote Lecture — Capillary Zone Electrophoresis (CZE): a Valuable Green Analytical Method Complementary to Reversed Phase High Performance Liquid Chromatography (RP-HPLC).** Prof. Dr. Danilo Corradini. *Institute of Agricultural Biology and Biotechnology (CNR-IBBA), Consiglio Nazionale delle Ricerche.* Italy.
10.00–10.30	**KN03 Keynote Lecture — Recent Research at the Instrumental Analysis Open Access Center of *Vytautas Magnus University*.** Academician, Prof. Dr. habil. Audrius Maruška, Domantas Armonavičius, Mantas Stankevičius, Tomas Drevinskas, Kristina Bimbiraitė-Survilienė, Ona Ragažinskienė, Nicola Tiso, Vilma Kaškonienė, Rūta Mickienė, Modesta Čaplikaitė, Arvydas Kanopka. *Instrumental Analysis Open Access Research Centre, Vytautas Magnus University.* Lithuania.

10.30–11.00 Coffee Break / Poster Session A

11.00–12.45 Oral Session 1 — Environmental Analysis Pollutant Transformations and Remediation

Chairs: Prof. Dr. Jan Schwarzbauer; Prof. Dr. Ian Scowen

Time	Programme
11.00–11.15	**OR01 Building a Mobile Air Research Laboratory (MARL) as Part of the MAMALS Project.** Vivien Corona Ramirez, Dean Venables, David O'Connor, Alan Gilmer, Patrick Goodman, Jesus Maria Frias Celayeta, Mehael Fennelly, Meng Wang, Aoife Donnelly, Christina Grammatikopoulou, Eoin McGillicuddy. *Technological University Dublin; University College Cork; Dublin City University.* Ireland.

11.15–11.30	**OR02 From Thousands of Pesticides to a Target List: A Prioritization Method for France's Pioneering National Long-Term Ambient Air Monitoring Program.** Boulos Samia, Ohri Yamada, Anaïs Vernillet, Sandrine Andres, Adriana E. Sardi, Valeria Dulio, Patrice Colin, Emmanuelle Drab-Sommesous, Julien Rude, Stéphane Socquet, Charlotte Lepitre, Laurent Letinois, Marc Durif, Caroline Marchand. *Institut National de l'Environnement industriel et des Risques (INERIS); Laboratoire Central de Surveillance de la Qualité de l'Air (LCSQA); French Agency for Food, Environmental and Occupational Health & Safety (ANSES); Lig'Air; Atmo Grand Est; Ministère de la transition écologique, bureau de la qualité de l'air; Atmo Auvergne Rhône-Alpes; Atmo France.* France.
11.30–11.45	**OR03 Hydrometallurgical Environmentally Friendly Treatment of Sphalerite in Oxidative Acidic Solutions.** Miroslav Sokić, Dimitrije Anđić, Aleksandar Jovanović, Jovica Stojanović, Nikola Vuković, Nela Petronijević, Željko Kamberović. *Institute for Technology of Nuclear and Other Mineral Raw Materials; University of Belgrade.* Serbia.
11.45–12.00	**OR04 Environmental Degradation of Meropenem: β-Lactam-Retaining Transformation Products and Residual Antibacterial Effects.** Vaidotas Kisielius, Alba Martínez i Quer, Florin Krijom, Antoine Maurel, Anders Johansen. *Aarhus University; Roskilde University; National School of Chemistry of Rennes (ENSCR).* Denmark, France.
12.00–12.15	**OR05 Historical Record of Lead in the Urban Water Cycle: Lead Isotopes in Urban Secondary Carbonate Deposits. Case Study in Paris (France).** Pons Branchu E., Branchu P., Dumont E., Douville E., Garagnon J., Godard V., Lestel L., Monvoisin G., Querleux J. *LSCE/IPSL, UMR 8212 (CEA-CNRS-UVSQ), Université Paris-Saclay; CEREMA, TEAM; Laboratoire GEOPS, UMR 8148 CNRS, Université Paris-Saclay; UMR 7619 METIS, Sorbonne Université; Inspection générale des Carrières (IGC).* France.
12.15–12.30	**OR06 Getting Small Cellulose Fibers to Lift Heavy Metal Ions.** Roberto J. Aguado, Núria Fiol, M. Àngels Pèlach, Carlos Negro, Marc Delgado-Aguilar. *University of Girona; Universidad Complutense de Madrid.* Spain.
12.30–12.45	**OR07 Pesticides and Their Metabolites in Sewage Sludge: Occurrence and Ecotoxicological Risk.** Subasinghe M. M., Filip Mercl, Petr Dolezal, Zdeněk Košnář, Pavel Tlustoš. *Czech University of Life Sciences Prague.* Czech Republic.

12.45–13.00 Group Photo

13.00–14.00 Lunch Break — Studlendas

14.00–14.30 Coffee Break / Poster Session B / Industry Demo

14.30–17.15 Early Career Research Forum 1 — Environmental Analysis Pollutant Fate and Biological Responses

Chairs: Prof. Dr. Tatjana Paulauskienė; Assoc. Prof. Dr. Mojca Bavcon Kralj; Dr. Monika Śmiełowska

Time	Programme
14.30–14.45	**OR08 A Combined Computational and HPLC-HRMS Approach for Untargeted Screening of Emerging Pharmaceutical Pollutants in North Italy River Waters.** Serena Arpaia, Alberto Mazzoleni, Federica Dal Bello. *University of Turin.* Italy.
14.45–15.00	**OR09 Handheld XRF Field Screening of ELV and WEEE in Estonia.** Hannela Artus, Alar Konist, Oliver Järvik. *Tallinn University of Technology.* Estonia.
15.00–15.15	**OR10 Integrating Non-Targeted Analysis, Chemical Space Modelling and Machine Learning for Bioactivity-Driven Prioritisation of Potential Thyroid-Disrupting Contaminants.** Rabiya Irshad, Mats Tysklind, Elena Dracheva, Zuzana Tousova, Klara Hilscherova, Roman Grabic. *University of South Bohemia in Ceske Budejovice; Umeå University; Masaryk University.* Czech Republic, Sweden.
15.15–15.30	**OR11 Application of Green Solvents for Sustainable Reversed Phase Liquid Chromatography with Different Stationary Phase Functionalities.** Oktawia Kalisz, Marek Tobiszewski, Szymon Bocian. *Nicolaus Copernicus University; Gdańsk University of Technology (GUT).* Poland.
15.30–15.45	**OR12 Development of a Simultaneous Multi-Element Method for the Determination of Ni and Cd in Environmental Samples Using HR-CS AAS.** Simona Šachrová, Renata Komendová. *Brno University of Technology.* Czech Republic.
15.45–16.00	**OR13 Developing Realistic Microplastic Reference Materials: Linking Polymer Weathering to Density Shifts and Environmental Behaviour.** Oliver Kretschmar, Xhoen Gjashta, Katharina Knez, Uwe Gohs, Kathrin Harre. *HTW Dresden – University of Applied Sciences Dresden; Leibniz Institute of Polymer Research Dresden; TUD Dresden University of Technology; United Nations University.* Germany.
16.00–16.15	**OR14 Assessment of Organic Contaminants in Shallow Coastal Marine Surface Sediments from a Mediterranean Gulf: Insights from GC-MS Non-Target Screening.** Leonie Burneleit, Piero Bellanova, Klaus Reicherter, Jan Schwarzbauer. *RWTH Aachen University; Carl von Ossietzky University Oldenburg.* Germany.
16.15–16.30	**OR15 Characterizing Microalgae from Wastewater Treatment: Implementation of Methods for Multi-Metabolite Analysis.** Urška Šunta, Mojca Bavcon Kralj, Eva Cepec, Tjaša Griessler Bulc, Darja Istenič. *University of Ljubljana.* Slovenia.

16.30–16.45	**OR16 Assessing the Photochemical Lifetimes of Sulfamethoxazole in Sunlit Freshwaters through Environmental Photochemical Modeling.** Sara Abdelli, Luca Carena, Enmanuel Cruz Muñoz, Davide Ballabio, Viviana Consonni, Roberto Todeschini, Javier Marugán, Ángela García-Gil, Paola Calza, Laura Ferrando-Climent, Davide Vione. *Università di Torino; Institute for Energy Technology; Universitat Politècnica de València; University of Milano-Bicocca; Universidad Rey Juan Carlos; Repsol Technology Lab.* Italy, Norway, Spain.
16.45–17.00	**OR17 Uptake and Metabolic Responses of Earthworms to Pharmaceutical Residues in Soil.** Marie Hamplová, Kateřina Dadáková, Juraj Marcinko, Helena Zlámalová Gargošová. *Brno University of Technology; Masaryk University.* Czech Republic.
17.00–17.15	**OR18 Divergent Phytotoxic Responses of Ketoprofen and Oxytetracycline in *Lactuca sativa*.** Juraj Marcinko, Marie Hamplová, Helena Zlámalová Gargošová. *Brno University of Technology.* Czech Republic.
17.15–17.30	**EMEC27 Announcement**

18.00 Conference Dinner

26 November 2026

Venue: Scientific sessions and registration: Studlendas, H. Manto 90-1, Klaipėda, Lithuania.

Lunch: Studlendas, H. Manto 90-1, Klaipėda, Lithuania.

ACE General Assembly: Marine Research Institute, Universiteto al. 17, Klaipėda, Lithuania.

Analytica Online Workshop: online event with live streaming in the auditorium at Studlendas, H. Manto 90-1, Klaipėda.

08.00–09.00 Registration

09.00–10.30 Keynote Lectures

Chairs: Prof. Dr. habil. Gerhard Lammel; Dr. Danilo Corradini

Time	Programme
09.00–09.30	**KN04 Keynote Lecture — Can Green Analytical Chemistry Truly Support Environmental Monitoring? Challenges in Sustainable Analysis of Emerging Contaminants.** Prof. Dr. habil. Justyna Płotka-Wasylka, Daria Mysiak, Justyna Werner. *Gdańsk University of Technology; Poznan University of Technology.* Poland.
09.30–10.00	**KN05 Keynote Lecture — Challenges in Energy Transition amid Geopolitical Instability and Climate Variability.** Dr. Willem de Lange. *LaMilCo, Groningen; SolarWink, Groningen; EuChemS Division of Chemistry and the Environment.* Netherlands.
10.00–10.30	**KN06 Keynote Lecture — 'Solids' in the Environment: How Analytical Strategies Aligned to a Structural Hierarchy Can Aid Interdisciplinary Communication.** Prof. Dr. Ian Scowen. *Keele University.* United Kingdom.

10.30–11.00 Coffee Break / Poster Session C / Industry Demo

11.00–11.45 Oral Session 2 — Chemical Transformations and Treatment of Contaminants in Water

Chairs: Assoc. Prof. Dr. habil. Justyna Płotka-Wasylka; Assoc. Prof. Dr. Núria Fiol

Time	Programme
11.00–11.15	**OR19 Evaluation of Paracetamol Removal in Two BDD Flow Reactors.** Julia K. Nowak, Paweł Lochyński, Paweł Jajor, Błażej Poźniak, Andrew Taylor, Jan Fischer. *Wrocław University of Environmental and Life Sciences; Institute of Physics of the Czech Academy of Sciences; Charles University.* Poland, Czech Republic.

11.15–11.30	**OR20 Mechanisms and Products of D-Limonene Chlorination in Aqueous Solutions.** Polonca Trebše, Elena A. Detenchuk, Thomas B. Latkin, Mojca Bavcon Kralj, Albert T. Lebedev. *University of Ljubljana; MASSECO d.o.o.; Northern Arctic Federal University; MSU-BIT University.* Slovenia, China.
11.30–11.45	**OR21 Reactive Chlorine Species for Propranolol Removal – How Spiked Real Water Sample Influences the Degradation.** Sladjana Savic Jovanovic, Dalibor Stankovic, Goran Roglic. *University of Belgrade.* Serbia.

11.45–13.00 Early Career Research Forum 2 — Environmental Processes and Sustainable Treatment

Chairs: Assoc. Prof. Dr. Remigijus Dailidė; Prof. Dr. Hartmut Frank

Time	Programme
11.45–12.00	**OR22 Hormesis Responses and Extracellular Polymeric Substance Restructuring under EP and Chlorinated Form Exposure.** José Carlos Teixeira, Manuel Simões, Inês Gomes. *University of Porto.* Portugal.
12.00–12.15	**OR23 Oral Bioaccessibility and Occupational Ingestion Risk in Secondary Construction Materials: Comparing Rapid HCl Screening with the Unified BARGE Method.** Jaskaran Kaur, Anna Qvarforth, Anna Augustsson, Martijn van Praagh. *Lund University; Linnaeus University; Swedish Geotechnical Institute.* Sweden.
12.15–12.30	**OR24 Organic Matter Composition from Saltwater Springs in the Northern Part of Serbia.** Zlatko Nikolovski, Aleksandra Šajnović, Nikola Burazer, Irena Novaković, Gorica Veselinović, Attila Klimò, Branimir Jovančićević. *University of Belgrade; Polyclinic Narcissus Ada.* Serbia.
12.30–12.45	**OR25 Microalgal Treatment of Ofloxacin and Enrofloxacin in Wastewater Using *Chlorella vulgaris*.** Sofia Pinto, Myrto Velona, Ioanna Savvanidou, Catarina Oliveira, Eva Salgado, Ana M. Gorito, José C. M. Pires, A. R. L. Ribeiro. *University of Porto; University of Patras; University of the Aegean.* Portugal, Greece.
12.45–13.00	**OR26 Sodium Bicarbonate Supplementation in *Chlorella vulgaris* Cultivation: Growth, Nutrient Removal and Biomass Composition.** Carolina Maia, Mariana Cardoso, Joana Oliveira, Susana Casal, Tânia G. Tavares, José C. M. Pires, Ana F. Esteves. *University of Porto.* Portugal.

13.00–13.30 ACE General Assembly — Marine Research Institute

🍽 13.00–14.00 Lunch Break — Studlendas

14.00–14.30 Analytica Online Workshop

14.30–16.45 Early Career Research Forum 3 — Environmental Monitoring Ecosystem Responses and Sustainable Water Management

Chairs: Prof. Dr. Branimir Jovančićević; Assoc. Prof. Dr. habil. Marek Tobiszewski

Time	Programme
14.30–14.45	**OR27 High-Resolution Mobile Monitoring of Traffic-Related Air Pollution in Different Urban Environments.** Michael A. Abakpa, Abdullah Khan, Vadimas Dudoitis, Lina Davulienė, Steigvilė Byčenkienė. *SRI Center for Physical Sciences and Technology.* Lithuania.
14.45–15.00	**OR28 Engineered MOF/MXene Hybrid Material for Emerging Contaminants Sensing.** Saqib Ali, Sarunas Zukauskas, Vidas Pakstas, Oleksiy Gogotsi, Arunas Ramanavicius, Simonas Ramanavicius. *State Research Institute Center for Physical Sciences and Technology; Materials Research Center, Kyiv; NanoCarbonTech LLC, Poznan.* Lithuania, Ukraine, Poland.
15.00–15.15	**OR29 Beyond the Non-Stick Surface: Multi-Level Toxicity of Polytetrafluoroethylene (PTFE) Microplastics in *Chironomus riparius* Larvae.** Ali Ashry, Steigvilė Byčenkienė, Mohamed Alaraby, José-Luis Martínez-Guitarte. *Center for Physical Sciences and Technology (FTMC); Universitat Autònoma de Barcelona; Universidad Nacional de Educación a Distancia (UNED).* Lithuania, Spain.
15.15–15.30	**OR30 Metal(loid) Contamination: Do Tree Responses Translate from Lab to Field?** Greta Striganavičiūtė-Oržekauskienė, Dorotėja Vaitiekūnaitė, Milana Šilanskienė, Vaida Sirgedaitė-Polikaitienė. *Lithuanian Research Centre for Agriculture and Forestry.* Lithuania.
15.30–15.45	**OR31 Distinguishing Anthropogenic and Natural Accumulation of Potentially Toxic Elements in Lithuanian Peatlands.** Dovilė Karlonienė, Ieva Baužienė, Kęstutis Jokšas, Eva Raudonytė-Svirbutavičienė. *State Scientific Research Institute Nature Research Centre; Vilnius University.* Lithuania.
15.45–16.00	**OR32 The Effect of Light-Dark Cycles on the Production of Microalgae for Food Purposes.** Joana Oliveira, Sara A. Sousa, Ana F. Esteves, Susana Casal, F. Xavier Malcata, Tânia G. Tavares, José C. M. Pires. *University of Porto.* Portugal.
16.00–16.15	**OR33 Simultaneous Nutrient and Micropollutant Removal by Microalgal Systems: Meeting New European Requirements.** S. A. Sousa, C. Maia, J. Oliveira, M. O. Barbosa, A. R. L. Ribeiro, J. M. Dias, J. S. Vilaça, J. C. M. Pires. *University of Porto; SIMDOURO – Saneamento do Grande Porto, S.A.* Portugal.

16.15–16.30	**OR34 Water Treatment to Resource Recovery: Comparative Gadolinium Recovery from Mining-Influenced Waters.** Tamlyn Sasha Naidu, Peter E. Holm. *University of Copenhagen; University of the Witwatersrand.* Denmark, South Africa.
16.30–16.45	**OR35 AlphaEarth Satellite Embeddings for Water Quality Assessment and Hydrological Modeling: Opportunities and Limitations** Miglė Mockutė *Klaipėda University, Marine Research Institute.* Lithuania.

16.45–17.45 Oral presentations before awards — LECO and Early Career Research

Chairs: Academician, Prof. habil. Dr. Bogusław Buszewski; Prof. Dr. Polonca Trebše

Time	Programme
16.45–17.00	**T01 Beyond One-Dimensional Screening: GC×GC–HR-TOF MS for PFAS and Emerging Contaminants in Environmental Samples.** LECO presentation Tomáš Kovalczuk, Pavel Jiroš, Anais Rodrigues, Flavio A. Franchina. *Leco European Application & Technology Centre; University of Ferrara.* Germany, Italy.
17.00–17.15	**T02 Ultrasound Stimulation Modulates Biomass Composition and Nutrient Removal in Chlorella vulgaris.** Presenter: Ana Filipa Esteves — *University of Porto*, Portugal Ana Esteves. *University of Porto.* Portugal.
17.15–17.30	**T03 From Green Mussel Shell Waste to Reusable Hydroxyapatite-Based Catalysts for Sustainable Heterocycle Synthesis.** Presenter: Agus Rimus Liandi — *University of Groningen*, the Netherlands Agus Rimus Liandi, Tio Putra Wendari. *Universitas Islam Negeri Syarif Hidayatullah Jakarta; University of Groningen; Universitas Andalas.* Indonesia, Netherlands.
17.30–17.45	**T04 Trace Element Partitioning and Leaching Behavior Across Ash Streams from a Full-Scale Oil Shale CFBC System.** Presenter: Dan Yang — *Tallinn University of Technology*, Estonia Dan Yang, Kalle Kirsimäe, Oliver Järvik, Alar Konist. *Tallinn University of Technology; University of Tartu.* Estonia.

17.45–18.00 Awards

18.00 Conference Field Trip

27 November 2026

Venue: S. Vaitekūno aula, H. Manto 84, Klaipėda, Lithuania.

08.00–08.30 Registration

08.30–09.30 Keynote Lectures

Chairs: Prof. Dr. habil. Audrius S. Maruška; Prof. Dr. habil. Małgorzata Iwona Szynkowska-Jóźwik

Time	Programme
08.30–09.00	**KN07 Keynote Lecture — Trifluoroacetate and Polyfluorinated Aliphatic Substances: Hydrophilic POPs of Extreme Persistence** Prof. Dr. Hartmut Frank *University of Bayreuth.* Germany.
09.00–09.30	**KN08 Keynote Lecture — Greenness Metrics for Environmental Analytical Chemistry.** Assoc. Prof. Dr. Marek Tobiszewski. *Gdańsk University of Technology.* Poland.

09.30–12.00 Oral Session 3 — Environmental Contaminants and Sustainable Solutions

Chairs: Prof. Dr. Stuart Gibb; Dr. Gintvilė Šimkonienė

Time	Programme
09.30–09.45	**OR36 Persistent Organic Pollutants (POPs) in Barents Sea Sediments and Benthic Organisms.** Stepan Boitsov, Sonnich Meier, Henning K. B. Jensen, Aasim M. Ali, Stig Valdersnes, Melissa Chierici, Monica Sanden. *Institute of Marine Research (IMR); Geological Survey of Norway (NGU).* Norway.
09.45–10.00	**OR37 From Irrigation Water to the Root Surface: Compartment-Resolved Exposure and Priority Organic Micropollutants in Reclaimed-Water-Irrigated Soils.** Alonso L. L., Castaño-Trias M., Statiris E., Salvoch M., Mendoza E., Santos L. H. M. L. M., Malamis S., Rodriguez-Mozaz S., Buttiglieri G. *Catalan Institute for Water Research (ICRA-CERCA); National Technical University of Athens; University of the Basque Country (EHU); Institute of Natural Resources and Agrobiology of Salamanca (IRNASA-CSIC).* Spain, Greece.
10.00–10.15	**OR38 Oral Caffeine Pouches: Analytical Determination of Caffeine Release into Saliva and Implications for Adolescent Exposure.** Miha Butala, Klara Kostajnšek, Borut Poljšak, Mojca Bavcon Kralj. *University of Ljubljana.* Slovenia.

10.15–10.30	**OR39 Low-Level, High Risk: Maternal Hair Mercury and Adverse Perinatal Outcomes in the Brazilian Amazon.** Marta Turull, Mônica Cunha, Montse Marquès, Jean R. D. Guimarâes, Rejane C. Marques, Sergi Díez. *Institute of Environmental Assessment and Water Research (IDAEA-CSIC); Universidade Federal de Rondônia; Universidade Federal do Rio de Janeiro (UFRJ); Universidade Federal do Piauí (UFPI).* Spain, Brazil.
10.30–10.45	**OR40 Influence of Oil Shale Ash on Phosphorus Release from Marine Sediments.** Jekaterina Jefimova, Tiina Paalme, Georg Martin. *Estonian Marine Institute.* Estonia.
10.45–11.00	**OR41 Tracing the Plastic Footprint: Spatial Variations of Microplastics in Sprat (*Sprattus sprattus*) from the Central Black Sea Coast.** Muhammed Atamanalp, Mine Köktürk, Süleyman Özdemir, Hünkar Avni Duyar, Veysel Parlak, Arzu Uçar, Gonca Alak. *Atatürk University; Igdir University; Sinop University.* Türkiye.
11.00–11.15	**OR42 Green Cold-Fiber Solid-Phase Microextraction for the Determination of Organonitrogen Pesticides in Soil.** Dina Orazbayeva, Alua Zhumadildinova, Balgyn Dyussenkulova, Marat Bektassov, Anara Omarova, Elefteria Psillakis. *Al-Farabi Kazakh National University; Technical University of Crete.* Kazakhstan, Greece.
11.15–11.30	**OR43 Circular Economy Approach to Developing Biodegradable Cosmetic Materials Based on Bacterial Cellulose and Hydroxyapatite.** Miljana Mirković, Aleksandra Sknepnek, Dunja Miletić, Vladimir Pavlović, Marija Šuljagić, Ljubica Anđelković, Ana Kalijadis. *University of Belgrade.* Serbia.
11.30–11.45	**OR44 Addressing Gadolinium Contamination from Hospital Effluents: A Sustainable Approach for Protecting Aquatic Water Quality.** Eduarda Pereira, Daniela S. Tavares, Rosa Freitas, Tito Trindade, Raquel Fernandes, Thiago Silva, João Rocha. *University of Aveiro.* Portugal.
11.45–12.00	**OR45 Turning Jellyfish Blooms into Resources: Circular Bioeconomy Opportunities and Regulatory Challenges in the European Union.** Ernesta Grigalionyte-Bembič, Ana Rotter, Katja Klun, Eylem Atak. *National Institute of Biology, Ljubljana.* Slovenia.

12.00–12.30 Coffee Break — S. Vaitekūno aula

12.30–13.45 Oral Session 4 — Environmental Assessment and Innovative Technologies

Chairs: Dr. Willem de Lange; Dr. Viktorija Vaitkevičienė

Time	Programme
12.30–12.45	**OR46 Chemical Thermodynamic Insight into the Influence of the Addition of Sodium Thiosulfate, as an Antidote, on Groundwater Arsenic(III) Toxicity to Humans.** Aliyar Mousavi. *Nashua Community College.* United States of America.
12.45–13.00	**OR47 Pharmaceuticals in Lithuanian Rivers: Environmental Behavior, Risks, and Regulatory Challenges.** Elise Lorre, Elena Hatton, Ema Durcova, Jovita Mezine, Mindaugas Zilius. *Klaipeda University.* Lithuania.
13.00–13.15	**OR48 Synthesis, Structural Characterization, and Application of Graphene Oxide/Pyrrole–Anthranilic Acid Copolymer Composites for Electrochemical Methylparaben Sensing.** Amelia Hendik, Justina Gaidukevič. *Vilnius University.* Lithuania.
13.15–13.30	**OR49 Upgrading Bio-Oil Quality via CaO-Catalyzed Co-Pyrolysis of Spent Coffee Waste and Polypropylene Plastics.** Asher Benjamin Daniel, Žilvinas Kryževičius, Aurimas Saltuška, Audronė Žukauskaitė, Khan Mohammad Jakir Hossain, Jochen Uebe. *Klaipeda University.* Lithuania.
13.30–13.45	**OR50 EDARI: A Domain-Specific Analytical Readiness Index for Endocrine-Disrupting Chemicals Integrating Analytical Performance with Bioactivity Linkage.** Monika Śmiełowska, Reda Kubiliūtė, Nerijus Dzingelevičius, Academician, Prof. habil. Dr. Bogusław Buszewski. *International Institute of Analytical Chemistry of the Polish Academy of Sciences; Kuyavian-Pomeranian Science and Technology Center of prof. Jan Czochralski; Klaipėdos valstybinė kolegija/Klaipėda State University of Applied Sciences, Klaipeda University.* Poland, Lithuania.

13.45–14.15 Panel Discussion and Closing Ceremony

Poster Session A

25 November 2026 | 10.30–11.00 | Studlendas, H. Manto 90-1, Klaipėda

Topic 1: Air pollution and atmospheric processes

P01 Are Current Models Missing Part of the Picture? New Insights into Pesticide Gas-Particle Partitioning from the First Real-Time Investigation of Temperature and Relative Humidity Effects.
Boulos Samia, Caroline Marchand, Brice Temime-Roussel, Nathalie Bocquet, Marie-Jeanne Gourmaud, Nicolas Audonnet, Annie Seradin, Etienne Quivet, Fabrice Marlière, Henri Wortham.
INERIS; LCSQA; Aix-Marseille Université; CNRS; IANESCO France.

P02 Impact of Agricultural Emissions on Rural and Urban Air Quality (IMAGE Project).
Vivien Corona Ramirez, Stig Hellebust, David O'Connor, Alan Gilmer, Vivienne Byers, Aoife Donnelly, Eoin McGillicuddy.
Technological University Dublin; University College Cork; Dublin City University Ireland.

P03 Residential Heating Interventions and Urban Air Quality in Europe: A Critical Review of Effectiveness, Trade-Offs, and Policy Implications.
Monika Eimutytė, Violeta Kaunelienė, Linas Puodžiukynas, Mélanie Mignot, Régina Duarte, Justine Blanford, Jérôme Cortinovis.
Kaunas University of Technology; INSA Rouen Normandie; Université de Rouen Normandie; Université de Caen Normandie; ENSICAEN; CNRS; University of Aveiro; University of Twente; Atmo Normandie Lithuania, France, Portugal, Netherlands.

P04 Comparative Evaluation of Machine Learning Models for Short-Term Black Carbon Forecasting in Vilnius, Lithuania.
Devankar Ghosh, Kristina Plauškaitė, Steigvilė Byčenkienė.
Center for Physical Sciences and Technology Lithuania.

P05 Ammonia Pollution and Impacts on Biodiversity and Sensitive Ecosystems.
Christina Grammatikopoulou, Vivien Corona Ramirez, Mehael Fennelly, Patrick Goodman, David O'Connor, Eoin McGillicuddy.
Technological University Dublin; Dublin City University Ireland.

P06 Weekly Variability of Total Volatile Organic Compounds in Indoor and Ambient Air.
Tajana Horvat, Nikolina Račić, Ankica Sekovanić, Ivana Jakovljević.
Institute for Medical Research and Occupational Health Croatia.

Topic 2: Analytical methods and chemical characterisation

P07 Optimization of Neonicotinoid and Metabolite Extraction from Honey Bees for High-Resolution Mass Spectrometry.
Nenad M. Zaric, Ratko Pavlovic, David Ruso, Rainer Schuhmacher.
BOKU University; University of Belgrade; Ben-Gurion University of the Negev Austria, Serbia, Israel.

P08 Application of Dispersive Solid Phase Extraction for the Analysis of Risdiplam and Its Metabolite.
Natalia Balińska, Sylwia Studzińska, Szymon Bocian.
Nicolaus Copernicus University in Toruń Poland.

P09 One Vial, Two Compounds: Simultaneous Determination of DMS and DMSP by Dynamic Headspace GC-MS.
Marat Bektassov, Sylvie V. M. Tesson, Bernadette Rosati, Dina Orazbayeva, Nassiba Baimatova, Marianne Glasius.
Al-Farabi Kazakh National University; Aarhus University; Lund University; BOKU University Kazakhstan, Denmark, Sweden, Austria.

P10 Determination of Low Concentrations of Amoxicillin in Model Wastewater.
Olivera Galović, Bojana Vojinović, Ana Stanić, Natalija Velić, Marija Stjepanović, Marija Jozanović.
Josip Juraj Strossmayer University of Osijek; General Electric Healthcare Croatia, Norway.

P11 When the Barrier Fails: Assessment of Food-Contact Packaging and Metal Migration.
Aleksandra Pawlaczyk, Weronika Zdziarska, Aleksandra Zimon, Marcin Jędrzejczyk, Anna Masek, Jadwiga Albińska, Małgorzata Iwona Szynkowska-Jóźwik.
Lodz University of Technology Poland.

P12 Algae and Seaweeds at the Interface of the Environment and Food Safety – Elemental Composition of Commercial Products.
Małgorzata Iwona Szynkowska-Jóźwik, Elżbieta Maćkiewicz, Piotr Wysocki.
Lodz University of Technology Poland.

P13 Evaluation of Conjugated Forms of Chloro Bisphenol-A.
Sian Leneuf de Neufville, Mikael Thomas, Marina Grimaldi, Eric Bourdeaud, Patrick Balaguer, Pascal Carato.
University of Poitiers; CNRS; Inserm; Université Montpellier; Institut régional du Cancer de Montpellier (ICM) France.

P14 Retrospective Identification and Quantification of Emerging Contaminants from Archived LC-HRMS Data: A New Approach for Passive Sampler-Based Environmental Monitoring.
Rabiya Irshad, Petra Novakova, Vit Kodes, Roman Grabic.
University of South Bohemia in Ceske Budejovice; Czech Hydrometeorological Institute Czech Republic.

Topic 3: Environmental monitoring and remediation

P15 Ecological Status of the Vrbas River (Bosnia and Herzegovina) – Organic and Inorganic Pollutants and Their Interaction.
Sanja Pržulj, Gorica Veselinović, Sanja Stojadinović, Milica Balaban, Branimir Jovančićević.
University of Banja Luka; University of Belgrade Bosnia and Herzegovina, Serbia.

P16 Spatio-Temporal Assessment and Source Identification of Polycyclic Aromatic Hydrocarbons in Coastal Sediments of Mainland Portugal.
A. C. Rocha, L. Brás Gomes, C. Palma.
Hydrographic Institute, Lisbon Portugal.

P17 Water Quality in Drained Forest Catchments: Monitoring Results from the Aģe River Basin, Latvia.
Toms Štāls, Arta Bārdule, Zane Lībiete, Linda Fībiga.
Latvian State Forest Research Institute "Silava"; Latvian Environment, Geology and Meteorology Centre Latvia.

P18 Lithuanian natural mineral water for SPA services and human health
Inga Dailidienė, Lolita Rapolienė, Reda Kubiliūtė, Lina Nosevič, Lina Varžaitytė, Lina Lukševičiūtė
Klaipėda University, Faculty of Health Sciences Lithuania.

P19 From Source to Recipient: Multi-Matrix Investigation of PFAS, PCBs and PAHs in Aquatic Environments of Tromsø, Northern Norway.
Sara Abdelli, Manuel Andino-Enriquez, Davide Vione, Paola Calza, Laura Ferrando-Climent.
University of Turin; Institute for Energy Technology; Universitat Politècnica de València Italy, Norway, Spain.

P20 Spatial Variability of n-Alkanes and Organic Matter Sources in a Naturally Formed Algal-Enriched Peloid from Ovča (Serbia).
Anđela Sekulović, Nikola Burazer, Aleksandra Šajnović, Gorica Veselinović, Branimir Jovančićević.
Institute of General and Physical Chemistry; University of Belgrade Serbia.

P21 Density Fractionation of Soil Organic Matter as an Indicator of Carbon Stabilization in an Urban Forest.
Sanja Stojadinović, Snežana Štrbac, Nevena Antić, Nikola Živanović, Vukašin Rončević, Milica Kašanin Grubin.
University of Belgrade Serbia.

P22 Application of Tomato Stem-Derived Biochar in the Remediation of Water Polluted with Pesticide and Antibiotics.
Gordana Gajica, Emilija Vukićević, Jelena Isailović, Mojca Bavcon Kralj, Vesna Antić, Jan Schwarzbauer, Branimir Jovančićević.
University of Belgrade; Mining Institute, Belgrade; University of Ljubljana; RWTH Aachen University Serbia, Slovenia, Germany.

P23 Nickel-Modified ZIF-8 for Arsenic Removal: Composition, Structure and Adsorption Kinetics.
Željko Jaćimović, Biljana Dojčinović, Mirjana Milić, Miljan Bigović, Bratislav Antić.
University of Montenegro; University of Belgrade Montenegro, Serbia.

P24 An Integrated Circular Economy Approach for Sewage Sludge Valorization: Coupling Electrodialytic Demineralization with Anaerobic Digestion and Biological Methanation.
Jochen Uebe, Zilvinas Kryzevicius, Asher Benjamin Daniel, Vilte Zukauskaite.
Klaipėda University Lithuania.

Poster Session B

25 November 2026 | 14.00–14.30

Topic 4: Ecotoxicology bioaccumulation and biological responses

P25 Toxicity of Sediments in the Vicinity of World War II Shipwrecks in the Baltic Sea.
Augusta Levickaitė, Kazys Žitkus, Milda Stankevičiūtė, Brigita Gylytė.
Nature Research Centre Lithuania.

P26 Growth Dynamics and Biochemical Responses of Desmodesmus communis to Generation-Specific and Chronic CdSe/ZnS Quantum Dot Exposure.
Danguolė Montvydienė, Jūratė Karosienė, Agnė Kalnaitytė-Vengelienė, Rasa Pilkienė, Daniel Olickij, Renata Butrimienė, Kornelija Janušaitienė, Živilė Jurgelėnė.
Nature Research Centre; Vilnius University Lithuania.

P27 Optical Stability and Dissolution of $NaYF_4$:Yb^{3+},Er^{3+} Upconverting Nanoparticles in Algae Growth Medium and Neris River Water.
Vilius Poderys, Živilė Jurgelėnė, Danguolė Montvydienė, Jūratė Karosienė, Augustas Morkvėnas, Artūras Katelnikovas, Vitalijus Karabanovas, Vaidas Klimkevičius.
National Cancer Institute; Nature Research Centre; Vilnius University; Vilnius Gediminas Technical University Lithuania.

P28 Effects of Rare Earth Element-Based Nanoparticles on a Green Alga and on Early Life Stages of Zebrafish.
Marijus Plečkaitis, Živilė Jurgelėnė, Danguolė Montvydienė, Vilius Poderys, Jūratė Karosienė, Renata Butrimienė, Artūras Katelnikovas, Milda Stankevičiūtė, Vitalijus Karabanovas, Vaidas Klimkevičius.
State Scientific Research Institute Nature Research Centre; National Cancer Institute; Vilnius University; Vilnius Gediminas Technical University. Lithuania.

P29 Abiotic Stress and Antioxidant Responses in Seedlings.
Dejan Prvulović, Sonja Gvozdenac.
University of Novi Sad; Institute of Field and Vegetable Crops Serbia.

P30 Rare Earth Elements Accumulation and Eu-Anomaly in Three Freshwater Gastropods from Two Side Channels of the Mura River, Croatia.
Hamza Benrahma, Zoran Kiralj, Nausicaä Falconnat, Lore Graulus, Tatjana Mijošek Pavin, Dušica Ivanković, Krešimir Žganec, Jasna Lajtner, Zrinka Dragun.
Ruđer Bošković Institute; Lyon Catholic University; HOGENT University of Applied Sciences and Arts; University of Zadar; University of Zagreb Croatia, France, Belgium.

P31 Mapping PFAS in Blue Mussels (Mytilus edulis) Near an Airport Contamination Site in Norway.
Emily M. Christiansen, Stig Valdersnes, Bjørn Einar Grøsvik, Aasim M. Ali.
Institute of Marine Research; University of Bergen Norway.

P32 Black Carbon Effects on Marine Phytoplankton: From Molecular to Biogeochemical Responses.
Ana Depolo, Jasna Arapov, Sanda Skejić, Danijela Šantić, Ivona Šalamon, Ana Cvitešić Kušan, Frédéric Nicolas Gilles Chaux, Sanja Frka.
Ruđer Bošković Institute; University of Zagreb; Institute of Oceanography and Fisheries Croatia.

P33 Metal Bioaccumulation in Hepatopancreas of Signal Crayfish Along the Mura River in Association With Sediment Exposure.
Zoran Kiralj, Krešimir Žganec, Zorana Kljaković Gašpić, Danijela Bogner, Zrinka Dragun.
Ruđer Bošković Institute; University of Zadar; Institute for Medical Research and Occupational Health; Institute of Oceanography and Fisheries Croatia.

P34 Assessing Chronic Aluminium Exposure and Toxicity Risks to Aquatic Biota and Humans in a Lake Following Aluminum Treatment.
Barbara Massalska-Duszczyka, Juris Tunēns, Brian Huser, Oskar Agstam-Norlin, Arturs Vīksna, Māris Bērtiņš, Linda Grinberga, Inta Dimante-Deimantovica.
Institute of Food Safety, Animal Health and Environment "BIOR"; Latvia University of Life Sciences and Technologies; Latvian Institute of Aquatic Ecology; Swedish University of Agricultural Sciences; University of Latvia Latvia, Sweden.

P35 Assessing Cytotoxicity of Combustion-Derived Particles Using a Novel "Cells-on-Particles" Platform.
Gailė Pocevičiūtė, Violeta Kaunelienė, Edvardas Bagdonas, Darius Čiužas, Jurgita Ovadnevaitė, Dainius Martuzevičius.
Kaunas University of Technology; Centre for Innovative Medicine; University of Galway Lithuania, Ireland.

P36 Spatial and Interannual Variation in Biomarker Responses of Sea Trout (Salmo trutta) from the Siesartis and Vilnia Rivers.
Kazys Žitkus, Justas Dainys, Milda Stankevičiūtė.
Nature Research Centre Lithuania.

P37 The Invasive Mussel Sinanodonta woodiana as a Bioindicator of the Aquatic Ecosystem Contamination by Potentially Toxic Elements.
Simona Šachrová, Šárka Smékalová, Renata Komendová.
Brno University of Technology Czech Republic.

P38 Temporal Dynamics of Soil β-Glucosidase Activity under Pharmaceutical Stress.
Juraj Marcinko, Vojtech Sychra, Lenka Kaľavská, Helena Zlámalová Gargošová.
Brno University of Technology Czech Republic.

P68 Can Our Wastewater Reveal Metal Exposure Across Social Classes? A Study in Girona, Spain
Marta Turull, Sergi Díez.

Topic 5: Circular resources and environmental protection

P39 Rare-Earth Element Upcycling from E-Waste: Insights from the NEO-CYCLE Project.
Gintarė Sujetovienė, Jūratė Žaltauskaitė, Diana Miškelytė, Renata Dagiliūtė.
Vytautas Magnus University Lithuania.

P40 Environmental Contamination at Shooting Ranges in the Context of Changing Lead Regulations.
Gintarė Sujetovienė, Diana Miškelytė, Austra Dikšaitytė, Giedrė Kacienė, Irena Januškaitienė.
Vytautas Magnus University Lithuania.

P41 A Green Chemistry Approach to Bamboo Preservation: Efficacy of Citrus sinensis Peel Extracts Against Termite Induced Biodeterioration.
Judith O. Owusu-Asante, Martilda Fosu Acheampong, Emmanuel Obeng, Prince Owusu Ansah.
Council for Scientific and Industrial Research; University of Environment and Sustainable Development Ghana.

P42 Selective Recovery of Ca and Mg from Estonian Landfilled Oil Shale Ash by Staged Leaching and Precipitation.
Krevon Alet-Märtson, Mai Uibu, Can Rüstü Yörük.
Tallinn University of Technology Estonia.

P43 Mineral–Polymer Stabilization of Amorphous Vitamin D_3 in a Calcium Carbonate–HPMCAS Hybrid System.
Jelena Macanović, Milan Vraneš, Andrija Vukov, Dijana Jelić.
University of Novi Sad; University of Banja Luka Serbia, Bosnia and Herzegovina.

P44 Valorization of Organic Waste Streams into Sustainable Carbon Materials for Green Cosmetic Formulations.
Miljana Mirković, Svetlana Butulija, Ivan Bracanović, Miloš Simić, Ana Kalijadis.
University of Belgrade Serbia.

P45 Acetylated Nanocellulose from Coconut Coir Waste for Vanadium (V) and Chromium (III) Remediation.
Asher Benjamin Daniel, Erum Zahir, Muhammad Asif Asghar.
University of Karachi; PCSIR Laboratories Complex Pakistan.

P46 From Waste to Resource: Eggshell-Derived Calcium Salts as Secondary Raw Materials.
Sandra Budžaki, Marta Ostojčić, Ivica Strelec.
Josip Juraj Strossmayer University of Osijek Croatia.

P47 From Biomass to Carbon Capture: Sustainable Membranes for CO_2 Removal.
Núria Fiol, Gabriela Bastida, Roberto J. Aguado, Antonio Tijero, Quim Tarrés, M. Àngels Pèlach.
Universitat de Girona; Universidad Complutense de Madrid Spain.

P48 Preliminary Evaluation of Quaternized Brewers' Spent Grain for Phosphate Removal from Wastewater.
Marija Stjepanović, Tanja Mađarević Pavetić, Nika Lazar, Maja Adamović, Darko Velić, Natalija Velić.
Josip Juraj Strossmayer University of Osijek; EKOS d.o.o. Croatia.

P49 Engineered MOF/MXene Hybrids for Advanced Wastewater Remediation and Sensing.
Saqib Ali, Sarunas Zukauskas, Vidas Pakstas, Oleksiy Gogotsi, Arunas Ramanavicius, Simonas Ramanavicius.
Center for Physical Sciences and Technology; Materials Research Center, Kyiv; NanoCarbonTech LLC Lithuania, Ukraine, Poland.

Poster Session C

26 November 2026 | 10.30–11.00

Topic 6: Microplastics occurrence analysis interactions and removal

P50 Small Microplastics across the Air–Sea Interface: Observations from the Arctic and Indian/Southern Oceans.
Sajjad Abbasi, Nadiia Yakovenko, Jeroen E. Sonke.
CNRS; IRD; Université de Toulouse; Shiraz University; Klaipėda University France, Iran, Lithuania.

P51 Abundance of Microplastic Pollution in Sediments of Different Aquatic Ecosystems in Montenegro.
Neda Bošković, Željko Jaćimović.
National Institute of Chemistry; University of Montenegro Slovenia, Montenegro.

P52 Occurrence of Pharmaceuticals in Rivers of the Cuneo Province (North-West Italy) and Their Sorption onto Polypropylene Microplastics.
Serena Arpaia, Chiara Pianzola, Anouar Lababsi, Andrea Magnani, Marita Marengo, Federica Dal Bello.
University of Turin; ASLCN1 Italy.

P53 Comprehensive Characterization of Microplastics and Their Chemical Transformations Using TD/Py-GC×GC-HR-TOF MS with Multimode Ionization.
Tomáš Kovalczuk, Anais Rodrigues, G. Dumont, S. Lievens, P. H. Stefanuto, J. F. Focant.
LECO; University of Liege; Flemish Institute for Technological Research (VITO) Germany, Belgium.

P54 Investigation of Functional Properties of Cellulose as a Promising Material for Microplastics Adsorption.
Austėja Burbulytė, Aušra Selskienė, Gerarda Jocytė, Sandra Stanionytė, Ieva Uogintė.
Center for Physical Sciences and Technology Lithuania.

Topic 7: Water treatment sorbents and remediation materials

P55 Industrial Wastewater Matrix Effects on Electrocoagulation Performance and Energy Consumption.
Paulina Družaitė, Dainius Martuzevičius, Inga Urniežaitė.
Kaunas University of Technology Lithuania.

P56 Effect of Polydopamine Coating on ZnO Stability and Photocatalytic Performance.
Emilija Mockutė, I. Urniežaitė, D. Jankūnaitė, R. Bernotavičiūtė, M. Tichonovas.
Kaunas University of Technology Lithuania.

P57 Interface-Engineered TiO_2–ZnO Heterojunctions Utilizing Morphologically Tailored Lab-Synthesized ZnO for the Broad-Spectrum Photocatalytic Remediation of Ciprofloxacin and Sulfamethoxazole.
Maria-Anthoniette Oghenetejiro Onoriode-Afunezie, Agnė Šulčiūtė.
Kaunas University of Technology Lithuania.

P58 Development of Spore-Based Magnetic Biosorbents for Environmental Applications.
Nicola Tiso, Jurgita Mikašauskaitė-Tiso, Reda Kubiliūtė.
Vytautas Magnus University; Kauno kolegija Higher Education Institution; Klaipėda University Lithuania.

P59 OXADIPR: Developing Integrated Advanced Oxidation Processes–Biosorbent Systems to Recycle Water for Indirect Potable Reuse.
Małgorzata Szopińska, Filip Gamoń, Vytautas Abromaitis, Reda Kubiliūtė, Christos Tsakiroglou.
Gdańsk University of Technology; Bioksa, MB; Klaipėda University; Foundation for Research and Technology Hellas Poland, Lithuania, Greece.

P60 Degradation of Indicatory Micro-pollutants in Biologically Treated Effluents Using O_3, UV, and Combined O_3/UV Treatment.
Lauryna Bagdonienė, E. Svirskis, Reda Kubiliūtė, V. Kisielius.
Klaipėda University; Bioksa, MB; Lithuanian Energy Institute; Aarhus University Lithuania, Denmark.

Topic 8: Circular materials energy and resource recovery

P61 Bio-Nanocomposite Food Packaging Films Based on Guar Gum Reinforced with Cellulose Nanofibrils Extracted from Wood Sawdust Waste.

Muhammad Asif Asghar, Fariha Ibrahim, Asher Benjamin Daniel, Labina Baig, Ayesha Jamal, Syeda Fatima Shakaib, Rida Imam, Farman Ahmed.
PCSIR Laboratories Complex; Ziauddin University; University of Karachi; Klaipėda University Pakistan, Lithuania.

P62 Banana Fiber-Derived Microcrystalline Cellulose Reinforced Starch–Alginate Biofilms for Sustainable Packaging.

K. Z. M. Abdul Motaleb, Edas Šimkus, Rimvydas Milašius, Daiva Mikučionienė, Renata Pilkaitytė, Jochen Uebe.
Klaipėda University; institution in Kaunas not specified in the source Lithuania.

P63 Ship Voyage Well-to-Wake Emissions with Pyrolysis Oil–MDO Emulsions.

Aurimas Saltuška, Sergejus Lebedevas, Audronė Žukauskaitė, Žilvinas Kryževičius.
Klaipėda University Lithuania.

Topic 9: Marine pollution biological responses and environmental processes

P64 Dietary Fe_3O_4–Chitosan Nanocomposite in Common Carp (*Cyprinus carpio*): Physiological Responses and Probiotic-Mediated Modulation.

Živilė Jurgelėnė, Sergej Šemčuk, Vesta Skrodenytė-Arbačiauskienė, Renata Butrimienė, Natalia Matvienko, Nataliia Rybalchenko, Vidas Pakštas, Martynas Talaikis, Reda Kubiliūtė, Nerijus Dzingelevičius, Danguolė Montvydienė.
Nature Research Centre; Center for Physical Sciences and Technology; D. K. Zabolotny Institute of Microbiology and Virology, NASU; Klaipėda University; Klaipėdos Valstybinė Kolegija/ Klaipėda State University of Applied Sciences. Lithuania, Ukraine.

P65 Review of Micromycete Contamination in Peonies (*Paeonia* spp.).

Rūta Mickienė, Vilma Kaškonienė, Kristina Bimbiraitė Survilienė, Vlada Vitunskienė, Nerijus Dzingelevičius, Audrius Sigitas Maruška.
Vytautas Magnus University; Klaipėdos valstybinė kolegija/ Klaipėda State University of Applied Sciences; Klaipėda University Lithuania.

P66 Assessing Antifouling Solutions in the Baltic Sea: Towards Reduced Biocide Use.

Sebastiana Di Dio, Greta Srėbalienė.
Klaipėda University Lithuania.

P67 Rainfall Scavenging Efficiency of Organic Micropollutants under Variable Weather Conditions.

Ema Durcova, Mindaugas Žilius, Elise Lorre.
Klaipėda University Lithuania.