

Please note, that all time in the timetable is presented for
EEST – Eastern European Summer Time (UTC/GMT+3)

All the sessions will be held online on ZOOM:

<https://us02web.zoom.us/j/84571002360?pwd=bWptdUFUSGNJamxRUk5LSXlWmkFNZz09>

Meeting ID: 845 7100 2360

Passcode: 903534



JUNE 21, MONDAY	
14-00	<p>THE OPENING CEREMONY</p> <p>The Greetings of Chairman of the Program Committee, Rector of Lviv Polytechnic National University (Lviv, Ukraine), Professor Yuriy Bobalo</p> <p>The Greetings of Chairman of the Organizing Committee, Head of the Department of Chemical Engineering, Lviv Polytechnic National University (Lviv, Ukraine), Professor Volodymyr Atamanyuk</p> <p>The Greetings of Director of Lviv Convention Bureau (Lviv, Ukraine) Andriy Pavliv</p> <p>The Greetings of General Director of Łukasiewicz – New Chemical Syntheses Institute (Pulawy, Poland), Professor Janusz Igras</p> <p>The Greetings of Rector of Warsaw College of Engineering and Health (Warsaw, Poland), Doctor Sebastian Grzyb</p> <p>The Greetings of Vice-Dean for Scientific Affairs of the Faculty of Chemical and Process Engineering, Warsaw University of Technology (Warsaw, Poland) Professor Tomasz Sosnowski</p> <p>The Greetings of Head of the Department of Informatics and Environment Quality Research, Warsaw University of Technology (Warsaw, Poland), Professor Artur Badyda</p>

16-00	<p style="text-align: center;">PLENARY PRESENTATION</p> <p style="text-align: center;">THE CHEMICAL IMAGINATION AT WORK IN <i>VERY</i> TIGHT PLACES</p> <p style="text-align: center;">Professor Roald Hoffmann</p> <p style="text-align: center;">The Nobel Prize in Chemistry 1981, Emeritus, Cornell University, USA</p>
	JUNE 22, TUESDAY
09-00	<p style="text-align: center;">PLENARY PRESENTATION</p> <p style="text-align: center;">POLYMER PROPERTIES TO COMPLY WITH REQUIREMENTS FROM MEDICAL DEVICES</p> <p style="text-align: center;">Professor Jörg Vienken</p> <p style="text-align: center;">Former President of International Federation of Artificial Organs (IFAO), Technical University Mittelhessen, Germany</p>
09-45	<p style="text-align: center;">PLENARY PRESENTATION</p> <p style="text-align: center;">INNOVATIVE COSMETIC RAW MATERIALS AND BIOLOGICALLY ACTIVE COMPOUNDS IN COSMETICS CHEMISTRY</p> <p style="text-align: center;">Doctor Sebastian Grzyb</p> <p style="text-align: center;">Rector of Warsaw College of Engineering and Health, Poland</p>
10-30	COFFEE BREAK
10-45	<p style="text-align: center;">SECTIONAL PRESENTATIONS</p> <p style="text-align: center;">OPTIMIZATION OF BIOCHEMICAL PROCESSES AND BIOENGINEERING</p> <p style="text-align: center;"><i>Chairmen:</i> Professor Jörg Vienken, Doctor Sebastian Grzyb</p>
10-45	<p style="text-align: center;">Atomization of oxygen nanodispersions in isotonic saline for applications in aerosol therapy</p> <p style="text-align: center;">Marcin Odziomek</p>
11-00	<p style="text-align: center;">Proliferation of <i>Rindera graeca</i> transgenic roots in oscillatory rocked disposable bioreactor</p> <p style="text-align: center;">Kamil Wierzchowski</p>
11-15	<p style="text-align: center;">Adaptation of the sensor method for the determination of mixing time in a rocking single-use bioreactor</p> <p style="text-align: center;">Mateusz Bartczak</p>
11-30	<p style="text-align: center;">Nanohybrid platform based on carbon material for glucose detection</p> <p style="text-align: center;">Maria Kuznowicz</p>
11-45	<p style="text-align: center;">Glucose detection in food real samples using an amperometric biosensor</p> <p style="text-align: center;">Artur Jędrzak</p>

12-00	YOUNG CHEMIST'S SCHOOL OPEN SCIENCE FOR EARLY-CAREER RESEARCHERS Doctor Oleksandr Berezko General Board Member at Eurodoc, Lviv Polytechnic National University, Ukraine
13-00	LUNCH
14-00	SECTIONAL PRESENTATIONS COMPUTER SIMULATION IN THE CHEMICAL TECHNOLOGY AND ENGINEERING <i>Chairmen:</i> Assoc Prof. Roman Havryliv , Assoc. Prof. Oleksandr Ivashchuk
14-00	The use of a porous medium method for modeling fixed-bed reactors with a low tube-to-particle diameter ratio Tymoteusz Świeboda
14-15	Computer prediction of biological activity of 1,2,4-triazole derivatives of 1,4-naphthoquinone Nataliia Polish
14-30	The Use of Case-Based Reasoning for the Choice of Methods for Cleaning Exhaust Gases from Sulfur and Nitrogen Oxides Yurii Beznosyk
14-45	Computational Fluid Dynamics Modeling of Mixing Process for Two-Components Mixture in the Large Scale Reactor Roman Havryliv
15-00	Development of the CFD model to the high viscosity fluid mixing modeling Roman Havryliv
15-15	Effects caused by vacancies in carbon nanocluster C ₉₆ and polyaromatic molecule C ₉₆ H ₂₄ Oksana Karpenko
15-30	COFFEE BREAK
15-45	Improving computer simulation of vacuum pumping process of the plasma sputtering system Roman Sheremeta
16-00	Modeling Heat and Mass Transfer During Evaporation in the Film Apparatus with Cross Movement Phases Volodymyr Lukashov

16-15	Mathematical modeling of sorption and desorption dynamics in adsorption systems Natalia Sorokova	
16-30	Multiple linear regression of C9 fraction inverted emulsion oligomerization Roman Subtelnyi	
	JUNE 23, WEDNESDAY	
9-00	PLENARY PRESENTATION SE-DRIVEN MICROGEL CATALYSTS FOR OXIDATION PROCESSES Doctor Roman Nebesnyi Head of Research and Development Department, Lviv Polytechnic National University, Ukraine	
9-30	PLENARY PRESENTATION POLYPYRAZOLYLBORATE COMPLEXES OF THE LANTHANIDES: STRUCTURE, OPTICS AND MATERIALS SCIENCE Doctor Roman Kresinski Senior Lecturer of the Materials Research Group, School of Life Sciences, Pharmacy and Chemistry, Kingston University, United Kingdom	
10-00	COFFEE BREAK	
10-15	SECTIONAL PRESENTATIONS DEVELOPMENT, ENERGY AND RESOURCE SAVING IN THE CHEMICAL AND FOOD TECHNOLOGIES <i>Chairmen:</i> Doctor Roman Nebesnyi , Assoc. Prof. Iryna Kostiv	SECTIONAL PRESENTATIONS THE INNOVATIVE TECHNOLOGIES IN THE CHEMICAL AND FOOD INDUSTRIES <i>Chairmen:</i> Doctor Roman Kresinski , Assoc. Prof. Volodymyr Reutsky
10-15	State of water during dehydration of sugar beet tissue Viacheslav Mykhailyk	Supported transition metals oxides and N- hydroxyphthalimide in catalysis of the liquid-phase oxidation of cumene Iosyp Opeida
10-30	Slag of thermal power plants as an attractive raw material for porous fillers production Diana Kindzera	Kinetics of adsorption of iron ions (III) by natural zeolite Vira Sabadash
10-45	Autonomous catalytic hydrogen generator based on bioethanol steam reforming Andrii Trypolskyi	Activity of Magnetically Separable Catalyst Fe ₃ O ₄ in Fenton Type Reaction during Methyl Violet Discoloration Sheparovych Roman

11-00	<p>Installation for research of hydrogen sulfide chemisorption from gases by a quinhydrone absorbing solution under pressure</p> <p>Andriy Slyuzar</p>	<p>Determination of pressure drop in a fixed bed catalytic reactor during ammonia oxidation on nanostructured catalyst</p> <p>Oksana Dobrovetska</p>
11-15	<p>The improved evaluation of the duration of the fouled membrane modules regeneration</p> <p>Serhii Hulienko</p>	<p>Application of the method of discrete input pulse energy for energy-efficient production of chelidonium majus extract</p> <p>Liubov Gozhenko</p>
11-30	<p>Research of the soybean oil extraction using polar solvents</p> <p>Anna Hlukhaniuk</p>	<p>The degree of complexity of the subsolidus structure of three-component systems MgO-Al₂O₃-FeO, MgO-Al₂O₃-TiO₂, MgO-TiO₂-FeO, Al₂O₃-TiO₂-FeO</p> <p>Oksana Borysenko</p>
11-45	<p>Establishment of energy-saving modes of dispersion and fractionation of pectin-containing powder</p> <p>Raisa Shapar</p>	<p>Silicates as fillers for polymer composites</p> <p>Oleksandra Dzeikala</p>
12-00	<p>Study of diffusion processes in carrot particles</p> <p>Iryna Huzova</p>	<p>Transesterification of vegetable oil by ethanol in the presence of heterogeneous catalysts</p> <p>Yurii Melnyk</p>
12-15	<p>Thermal stability of materials of vegetable origin</p> <p>Tetiana Korinchevska</p>	<p>The process of catalytic hydration of acetylene compounds using a homogeneous catalyst based on gold (I) complex with water-soluble organophosphorus ligands</p> <p>Ivan Kokhan</p>
12-30	<p>Research of valuable substances extraction from alcohol distillery stillage</p> <p>Tetiana Kuzminchuk</p>	<p>Comparison of the adsorption capacity of methylene blue nanostructured composites based on CoMnO₂ and CuO</p> <p>Natalya Koretska</p>
12-45	<p>Obtaining bitumen from paraffinic-base crude via joint oxidation of tar and different products of oil processing</p> <p>Andriy Nagurskyy</p>	<p>Hydrodynamics of cotton stalks filtration drying</p> <p>Zagira Kobeyeva</p>
13-00	LUNCH	

14-00	YOUNG CHEMIST'S SCHOOL LAW AS A GUARANTOR OF HEALTH SAFETY IN THE CONTEXT OF THE APPLICATION OF INNOVATIVE TECHNOLOGIES IN THE CHEMICAL AND FOOD INDUSTRY Professor Wojciech Lis Faculty of Law, Canon Law and Administration, John Paul II Catholic University of Lublin, Poland	
14-45	SECTIONAL PRESENTATIONS ALTERNATIVE AND NON- CONVENTIONAL ENERGY SOURCES <i>Chairmen:</i> Professor Volodymyr Atamanyuk , Assoc. Prof. Diana Kindzera	SECTIONAL PRESENTATIONS THE INNOVATIVE TECHNOLOGIES IN THE CHEMICAL AND FOOD INDUSTRIES <i>Chairmen:</i> Doctor Roman Kresinski , Assoc. Prof. Iryna Huzova
14-45	Processing of granules based on peat and sludge Zhanna Petrova	Complex hydrogels based on aquasol and polyacrylamide Denys Kalin
15-00	Research of the calorific value of dried alcohol distillery stillage Roman Chyzhovych	Modified polylactide composites Nataliya Semenyuk
15-15	Pyrolysis of polymer waste is a source of motor fuels Ksenya Hrynyshyn	Biosynthesis of silver nanoparticles using extracts of medicinal plants Kateryna Yatskiv
15-30	COFFEE BREAK	
15-45	SECTIONAL PRESENTATIONS DEVELOPMENT, ENERGY AND RESOURCE SAVING IN THE CHEMICAL AND FOOD TECHNOLOGIES <i>Chairmen:</i> Doctor Roman Nebesnyi , Assoc. Prof. Iryna Kostiv	SECTIONAL PRESENTATIONS THE INNOVATIVE TECHNOLOGIES IN THE CHEMICAL AND FOOD INDUSTRIES <i>Chairmen:</i> Doctor Roman Kresinski , Assoc. Prof. Iryna Huzova
15-45	Features of Aging of Road Bitumen Myroslava Donchenko	Development of new functional food products based on spreads Mariia Usiichuk
16-00	Complex processing of liquid pyrolysis products Dariia Kichura	The interaction regularities of acetic and oleic acids esters and triethanolamine Roman Danyliuk

16-15	<p>Changes in the properties of semi-synthetic motor oil Castrol 10W-40 during its use in the diesel engine of commercial vehicles</p> <p>Roman Prokop</p>	<p>Improving the Technology of Bitter Tinctures</p> <p>Iryna Sokolovska</p>
JUNE 24, THURSDAY		
9-00	<p style="text-align: center;">PLENARY PRESENTATION</p> <p style="text-align: center;">LIQUID ATOMIZATION PROCESS IN MEDICAL APPLICATIONS</p> <p style="text-align: center;">Professor Tomasz Sosnowski</p> <p style="text-align: center;">Vice-Dean for Scientific Research of the Faculty of Chemical and Process Engineering, Warsaw University of Technology, Poland</p>	
9-30	<p style="text-align: center;">PLENARY PRESENTATION</p> <p style="text-align: center;">SUPERCRITICAL CO₂ EXTRACTION AS GREEN WASTE-FREE TECHNOLOGY – APPLICATIONS AND PERSPECTIVES</p> <p style="text-align: center;">Doctor Katarzyna Tyśkiewicz</p> <p style="text-align: center;">Head of Supercritical Extraction Department, Łukasiewicz Research Network – New Chemical Syntheses Institute, Poland</p>	
10-00	COFFEE BREAK	
10-15	<p style="text-align: center;">SECTIONAL PRESENTATIONS</p> <p style="text-align: center;">ECOLOGY AND SUSTAINABLE DEVELOPMENT. ENVIRONMENTAL PROTECTION</p> <p style="text-align: center;"><i>Chairmen:</i> Professor Tomasz Sosnowski, Doctor Katarzyna Tyśkiewicz</p>	
10-15	<p style="text-align: center;">Immobilisation of metals in the absorption</p> <p style="text-align: center;">Malgorzata Wojtkowska</p>	
10-30	<p style="text-align: center;">Design of Mg-Al-CO₃ layered double hydroxides (LDHs) which are capable to remove aqueous selenate (SeO₄²⁻) and selenite (HSeO₃⁻) via direct exchange of the interlayer anions</p> <p style="text-align: center;">Natalia Chubar</p>	
10-45	<p style="text-align: center;">Evaluation of Gross Regional Product Waste Intensity in Context of the SDGs Achievement Progress Assessment</p> <p style="text-align: center;">Iryna Dzhygyrey</p>	
11-00	<p style="text-align: center;">Polylactide composites with calcium-containing fillers</p> <p style="text-align: center;">Andrii Masyuk</p>	
11-15	<p style="text-align: center;">Technological detergents for cleaning compressors of gas turbine installations</p> <p style="text-align: center;">Margaryta Berkut</p>	

11-30	<p>Research of parameters of industrial waters of canning plant and bakery</p> <p>Marianna Havryshko</p>	
11-45	<p>Mineral fillers modified by shoulders from deodorization columns of oil and fat products</p> <p>Maksym Chobit</p>	
12-00	<p>Ecologically safe methods of treatment of wastewater from zinc and nickel ions with complex sorbents</p> <p>Ihor Petrushka</p>	
12-15	<p>Use of Modified Polyacrylamide for Floccuation of Coal Enrichment Wastes</p> <p>Vasyl Duleba</p>	
12-30	<p>LUNCH</p>	
13-30	<p>PLENARY PRESENTATION</p> <p>THE POLYURETHANE RECYCLING</p> <p>Applied Professor Wolodymyr Suprun</p> <p>Project Leader, Institute of Chemical Technology, University of Halle, Germany</p>	
14-00	<p>SECTIONAL PRESENTATIONS</p> <p>GREEN CHEMISTRY</p> <p><i>Chairmen:</i></p> <p>Applied Prof. Wolodymyr Suprun, Professor Vira Lubenets</p>	<p>SECTIONAL PRESENTATIONS</p> <p>THE INNOVATIVE TECHNOLOGIES IN THE CHEMICAL AND FOOD INDUSTRIES</p> <p><i>Chairmen:</i></p> <p>Professor Volodymyr Atamanyuk, Assoc. Prof. Diana Kindzera</p>
14-00	<p>Preparation and characterization of thermoplastic starch/poly lactide blends with palmitic acid</p> <p>Justyna Ostrowska</p>	<p>Hydrodynamics of cotton filtration drying</p> <p>Volodymyr Atamanyuk</p>
14-15	<p>Biocidal preparations based on thiosulphonates and biosurfactants</p> <p>Vira Lubenets</p>	<p>Obtaining of modified polyamide from the solution</p> <p>Natalia Chopyk</p>
14-30	<p>Convenient and Efficient Suzuki Miyaura Coupling Reactions of Meso-Halogenated BODIPYs</p> <p>Ahmet Tutar</p>	<p>Activation of polyethylene granules</p> <p>Anastasiya Kucherenko</p>

14-45	Chemical resistance of biopolymers based on the epoxy resin modified with epoxidised and cyclocarbonated soybean oils Olha Purikova	Hydrogels membranes obtained by modification in the volume Nataliia Baran
15-00	Synthesis and antibiofilm activity of substituted 1-deazapyrimido[1,2,3-cd]purinium salts Liubov Muzychka	Influence of polymer additives on rheological properties of heavy high-viscosity oil Tetiana Yarmola
15-30	Waterborne polyurethane-polyacrylate dispersions of mixed type Tamara Travinskaya	
15-45	COFFEE BREAK	
16-00	INTERNATIONAL ROUND TABLE OF THE CONFERENCE PARTICIPANTS	
16-30	THE CLOSING CEREMONY	