

October 10, 2018

08:00- all day	REGISTRATION 12 Bandera street, Lviv, Ukraine
09:00- 09:25	Opening Ceremony
09:25- 10:55	Hall 1 (Assembly hall) Chair: Prof. Mustafa Culha
09:25- 09:55	Invited SPEAKER (Prof. Manfred Stamm , <i>Leibniz Institute of Polymer Research, Germany</i>) Functional Coatings with Polymer Brushes
09:55- 10:25	Invited SPEAKER (Prof. Andrzej Budkowski , <i>Jagiellonian University, Poland</i>) Katarzyna Gajos, Panagiota Petrou, Ioannis Raptis, Andrzej Budkowski Surface analysis of biosensor interface for enhanced immunoassay performance
10:25- 10:55	Invited SPEAKER (Prof. Sergiy Minko , <i>University of Georgia, USA</i>) Polymer Brush Architecture for Biointerfaces
10:55 11:10	Coffee break
11:10 14:30	Free time
14:30- 16:00	Hall 1 PLENARY SESSION - Chair: Prof. Olena Aksimentyeva
14:30- 15:00	Invited SPEAKER (Prof. Igor Luzinov , <i>Clemson University, USA</i>) Igor Luzinov, Mykhailo Savchak, Ruslan Burtovyy, Nikolay Borodinov, Kesong Hu, Ruilong Ma, Vladimir Tsukruk Highly conductive nanoscale films via thermal conversion of polymer-encapsulated graphene oxide sheets
15:00- 15:30	Invited SPEAKER (Prof. Sergii Riabov , <i>Institute of Macromolecular Chemistry of NASU, Ukraine</i>) Functional materials based on cyclodextrins: development and application
15:30- 16:00	Invited SPEAKER (Prof. Andriy Voronov , <i>North Dakota State University, USA</i>) Andriy Voronov, Zoriana Demchuk, Kyle Kingsley, Oleg Shevchuk, Vasylyna Kirianchuk, Ananiy Kohut, Yehor Polunin, Stanislav Voronov Monomers and Polymers from Plant/Vegetable Oils
16:00- 16:15	Coffee break
16:15 17:35	ORAL PRESENTATIONS Hall 217 Chair: Prof. Teobald Kupka
16:15- 16:35	Teobald Kupka (<i>Opole University, Poland</i>), Xike Tian, Yulun Nie, Hong-Ming Lin, Michał Jewgiński, Stephan P. A. Sauer, Szymon Mycer Characterization of selected small selenium compounds by ^{77}Se NMR in solution and theoretical modeling
16:35- 16:45	Darya Oleinik (<i>Ukrainian Engineering Pedagogics Academy, Poland</i>) Iryna Tsykhanovska, Alexandr Alexandrov

	Substantiation of the mechanism of interaction between biopolymers of flour and the nanoparticles of the “Magnetofood” food additive
16:45-16:55	<u>Aleksandra Borcuch</u> (<i>Jagiellonian University, Poland</i>) Małgorzata Rutkowska, Anna Marzec, José María Moreno, Urbano Díaz, Lucjan Chmielarz Catalytic performance of micro-mesoporous MFI modified with iron cations and oligocations in NH ₃ -SCR process
16:55-17:05	<u>Aneta Świąś</u> (<i>Jagiellonian University, Poland</i>) Andrzej Kowalczyk, Barbara Gil, Małgorzata Rutkowska, Zofia Piwowarska, Aleksandra Borcuch, Marek Michalik, Lucjan Chmielarz MCM-41 and PCHs modified with copper as a catalysts for the DeNOx process
17:05-17:15	<u>Veronika Myronova</u> (<i>V.N. Karazin Kharkov National University, Ukraine</i>) Semenenko O., Lipson V. Modifications of lupine molecular platform in conditions of Grignard reactions
17:15-17:25	<u>Artur Mazur</u> (<i>Lviv Polytechnic National University, Ukraine</i>) , Alona Bondarenko, Mariia Mandych, Bohdan Taranenko, Marko Pankiv Electrochemical synthesis of silver nanoparticles solution stabilized by polyacrylate and rhamnolipid
17:25-17:35	<u>Anna Gruszkiewicz</u> (<i>Jagiellonian University, Poland</i>), Joanna Rokita, Karol Wolski, Szczepan Zapotoczny Conjugated polymer brushes – design and synthetic strategies
17:35-18:35	POSTERS PRESENTATIONS – 1 (Assembly hall)
October 11, 2018	
9:00-10:30	Hall 1 (Assembly hall) Chair: Prof. Andriy Voronov
9:00-9:30	Invited SPEAKER (Prof. Nickolay V Lavrik , <i>Oak Ridge National Laboratory, USA</i>) 2-photon Polymerization as a Pathway to Microscale Soft Robotics and 3D Printed Artificial Life Systems
9:30-10:00	Invited SPEAKER (Prof. Anna Musyanovych , <i>Fraunhofer Institute for Microengineering and Microsystems, Germany</i>) Polymer Particles with Controlled Morphology and Composition: formulation in batch and continuous flow
10:00-10:30	Invited SPEAKER (Prof. Andrij Pich , <i>DWI Leibniz Institute for Interactive Materials e.V, Germany</i>) Functional Microgels for Decoration of Bio-Interfaces
10:30-10:45	Coffee break
Free time	
14:30-16:00	Hall 1 PLENARY SESSION - Chair: Prof. Nickolay V Lavrik

14:30-15:00	Invited SPEAKER (Prof. Robert S. Marks , <i>Ben Gurion University of the Negev, Israel</i>) An innovative electrolateral flow immunosensor brings diagnostic quantitation to the point-of care
15:00-15:30	Invited SPEAKER (Prof. Onder Metin , <i>Koç University, Istanbul, Turkey</i>) Rational Design of Transition Metal Nanoparticles for a Wide-Range of Catalytic Applications
15:30-16:00	Invited SPEAKER (Prof. Milan Krcalik , <i>Johannes Kepler University, Austria</i>) Polymer-organoclay nanocomposites with advanced chemistry
16:00-16:15	Coffee break
16:15-17:35	ORAL PRESENTATIONS Hall 217 Chair: Prof. Teobald Kupka
16:15-16:25	Ostap Lishchynskyi (<i>Lviv Polytechnic National University, Ukraine</i>), Joanna Raczkowska, Kamil Awsiuk, Joanna Zemła, Pawel Dabczynski, Andrij Kostruba, Khrystyna Harhay, Halyna Ohar, Barbara Orzechowska, Yuriy Panchenko, Andrzej Budkowski, Yuriy Stetsyshyn Fabrication of the temperature-responsive poly(butyl methacrylate) grafted polymer brushes
16:25-16:35	Svitlana Melnychuk (<i>Admiral Makarov National University of Shipbuilding, Ukraine</i>) Koliehova A. S. Features of Migration and Accumulation of Heavy Metals in the «soil-plant» system on the territory of the National Nature Reserve «Biloberezhzhia Sviatoslava»
16:35-16:45	Yana Shymborska (<i>Lviv Polytechnic National University, Ukraine</i>), Kamil Awsiuk, Viktor Kusnezh, Joanna Raczkowska, Benedykt Jany, Andrij Kostruba, Khrystyna Harhay, Halyna Ohar, Ostap Lishchynskyi, Tatyana Shevtsova, Franciszek Krok, Andrzej Budkowski, Yuriy Stetsyshyn Synthesis of Silver Nanoparticles in Temperature-Responsive Grafted Polymer Brushes
16:45-16:55	Anastasiia Shatan (<i>Institute of Macromolecular Chemistry, Czech Academy of Sciences, Czech Republic</i>) B. Zasońska, D. Horák Magnetic nanoparticles with antibacterial properties: Design, synthesis and bactericidal effect
16:55-17:05	Dawid Zych (<i>University of Silesia, Poland</i>) Disubstituted pyrene derivatives - differences caused by way of substitution: experimental and theoretical studies
17:05-17:15	Zuzanna Małyjurek (<i>University of Silesia, Poland</i>) Influence of normalization method on identification of biomarkers
17:25-17:35	Tatyana Shevtsova (<i>Lviv Polytechnic National University, Ukraine</i>), Joanna Raczkowska, Ostap Lishchynskyi, Yana Shimborska, Andrzej Bernasik, Andrij Kostruba, Khrystyna Harhay, Halyna Ohar, Mateusz Marzec, Andrzej Budkowski, Yuriy Stetsyshyn Fabrication and properties new temperature-responsive grafted polymer brushes
17:15-18:15	POSTERS PRESENTATIONS-2 (Assembly hall)
18:15	Awarding participants for the best oral and poster presentations



October 10, 2018

POSTERS PRESENTATIONS-1

1.	<u>Pavlo Shapoval</u> (<i>Lviv Polytechnic National University, Ukraine</i>) Vitalii Stadnik, Martyn Sozanskyi, Tatyana Stefanovska, Artem Medkov Chlorophyll fluorescence as a tool to monitor physiological status of <i>Miscanthus x Giganteus</i> under abiotic stress conditions
2.	<u>Martyn Sozanskyi</u> (<i>Lviv Polytechnic National University, Ukraine</i>), Pavlo Shapoval, Iosyp Yatchyshyn, Yaroslav Kovalskyi Quantum-chemical modeling of synthesis reactions of CdS films
3.	<u>Kateryna Titova</u> (<i>A.N. Beketov National University of Urban Economy in Kharkiv, Ukraine</i>), O.A. Muraeva On the hydrophobic mechanism of hydration of nonelectrolytes
4.	<u>Kseniia Yutilova</u> (<i>Educational and Scientific Institute of Chemistry, Vasyl' Stus Donetsk National University, Ukraine</i>), Elena Shved Solvent effect on ring-opening reaction of epichlorohydrin with acetic acid in presence of organic bases
5.	Tatyana Grabova, Nina Silnyagina, <u>Olesya Stepanova</u> (<i>National Academy of Sciences of Ukraine (NASU), Ukraine</i>) Development of methods and technological equipment for the preparation of structured nanodisperse systems
6.	<u>Svitlana Nahirniak</u> (<i>National Technical University of Ukraine "Igor Sikorsky Kyiv Polytechnic Institute", Ukraine</i>), Tetiana Dontsova, Elena Yanushevskaya, Andrei Ivanets, Marina Roshchina Effect of modification on the acid-base properties of clay
7.	<u>Ivanna Demchuk</u> (<i>Cherkasy State Technological University, PJSC "AZOT" of OSTCHEM Holding in Cherkasy, Ukraine</i>), Recovery of bound nitrogen byprocessing it into hydrazine sulfate in industrial wastewaters
8.	<u>Maryna Bondarenko</u> (<i>Institute for Sorption and Problems of Endoecology NASU, Ukraine</i>), Tatiana Khalyavka, Natalia Shcherban, Irina Petrik Modification of nanocomposites C/TiO ₂ by Sulfur
9.	<u>Natalia Yelahina</u> (<i>Chuiko Institute of Surface Chemistry, NASU, Ukraine</i>), Tetiana Krupska, Alina Golovan, Volodymyr Turov Amber-silica composite and its hydrate properties
10.	<u>Anastasiya Kutuzova</u> (<i>National Technical University of Ukraine "Igor Sikorsky Kyiv Polytechnic Institute", Ukraine</i>), Tetiana Dontsova Photocatalytic activity of TiO ₂ -SnO ₂ nanocomposites
11.	<u>Mariana Shepida</u> (<i>Lviv Polytechnic National University, Ukraine</i>), Galyna Zozulya, Vitaliy Dobrovolsky Deposition of nanostructured palladium sediments on the silicon surface of n- and p-type galvanic substitution

12.	<u>Olena Paiuk</u> (<i>Lviv Polytechnic National University, Ukraine</i>), Kateryna Volianiuk, Nataliya Mitina, Anna Riabtseva, Vasyl Haramus, Larysa Dolynska, Zoriana Nadashkevych, Alexander Zaichenko Structure and colloidal-chemical properties of comb-like polyethylene glycol-containing amphiphiles
13.	<u>Denys Kalin</u> (<i>Lviv Polytechnic National University, Ukraine</i>), Maksym Chobit, Viktor Tokarev Research of influence of modifiers on the properties of hydroxyapatite filled composites
14.	<u>Aleksandra Bula</u> (<i>Jagiellonian University, Poland</i>), Adriana Gilarska, Joanna Lewandowska-Łańcucka, Anna Łatkiewicz, Maria Nowakowska Physicochemical and biological characterization of hybrid hydrogel based scaffolds for potential bone tissue engineering applications
15.	<u>Akim Shmalko</u> (<i>A.N. Nesmeyanov Institute of Organoelement Compounds, Russian Academy of Sciences, Russia</i>), Sergey Anufriev, Svetlana Erokhina, Ekaterina Andreichuk Tentative title of the presentation: Synthesis of 3-phenyl-ortho-carborane and 6,6'-diphenyl nickel bis(dicarbollide).
16.	S.Yu. Bachinsky, T.A. Kabanova, <u>Olena Khalimova</u> (<i>A.V. Bogatsky Physico-chemical institute of NASU, Ukraine</i>), S. A. Andronati Synthesis and biological properties of (3Z)-3-arylidene(hetarylidene)-5-[(E)-2-aryl(hetaryl)vinyl]-1,2-dihydro-3H-1,4-benzodiazepin-2-ones

October 11, 2018

POSTERS PRESENTATIONS-2

17.	<u>Olha Maikovych</u> (<i>Lviv Polytechnic National University, Ukraine</i>), Taras Vasylyshyn, Olena Bordeniuk, Mariia Yakoviv, Nataliia Fihurka Porous hydrogel, grafted to a polymer mesh
18.	Andriy Mishura, <u>Mykhailo Kurmach</u> (<i>L.V.Pisarzhevskii Institute of Physical Chemistry of NASU, Ukraine</i>), Roman Barakov, Vitaliy Asaula, Hleb Repich, Anton Lytvynenko Ni-containing materials as catalysts for debenylation of benzyl phenyl ether and n-benzylaniline
19.	<u>Uliana Vashkurak</u> (<i>Lviv Polytechnic National University, Ukraine</i>), Lilia Shevchuk The influence of ultrasound cavitation of organic contamination in wastewater of various origin
20.	Sofiia Tvorynska, <u>Andrii Dmukhailo</u> (<i>Ivan Franko National University, Ukraine</i>), Liliya Dubenska Electrochemical behavior of food azo dye Tartrazine on amalgam electrode
21.	<u>Volodymyr Luchehko</u> (<i>Ivan Franko National University of Lviv, Ukraine</i>), Yevhen-Oleh Laba, Roman Lytvyn, Yuriy Horak, Vasyl Matychuk, Mykola Obushak Approach to the synthesis of tetrahydroisoquinolines with arylfuran fragments
22.	<u>Meltem Demirel</u> (<i>Yildiz Technical University, Istanbul, Turkey</i>), Kübra Geridönmez, Mahmure Üstün Özgür Extraction of natural dyes from <i>Amaranthus (Celosia Cristata)</i> flowers, quantitative analysis, stability studies and determination of antioxidant activity

23.	<u>Kübra Geridönmez</u> (<i>Yildiz Technical University, Istanbul, Turkey</i>), Meltem Demirel, Mahmure Üstün Özgür Green synthesis of gold nanoparticles from the extract of Amaranthus Celosia Cristata and determining antioxidant activity
24.	<u>Vitalii Serdiuk</u> (<i>Lviv Polytechnic National University, Ukraine</i>), Oleh Shevchuk, Viktor Tokarev Decomposition kinetics of reactive acrylamide-containing peroxidic copolymers
25.	Emir Abdullaev, <u>Svitlana Sotnik</u> (<i>L.V.Pisarzhevskii Institute of Physical Chemistry of the NASU, Ukraine</i>) Dar'ya Yurchenko, Nina Peregon, Anton Lytvynenko, Konstantin Gavrilenko, Sergey Kolotilov Mild oxidation of ketones with hydrogen peroxide catalyzed by nanostructured porous coordination polymer – copper(II) 1,3,5-benzenetricarboxylate
26.	<u>Bohdana Yatsiuk</u> (<i>Khmelnytsky National University, Ukraine</i>), Valentyna Rokytska, Oksana Boiko Synthesis and Study on the Reaction of 7-Hydroxy-4-Methylcoumarin Formylation
27.	<u>Iryna Kubitska</u> (<i>Lviv Polytechnic National University, Ukraine</i>), R. Nebesnyi, O. Orobchuk, T. Kharandiuk Acrylic acid synthesis on B-P-W-V-O _x /SiO ₂ catalysts via condensation reactions
28.	<u>Ann Efumenko</u> (<i>Shostka Institute of Sumy State University, Ukraine</i>) Enhancement of existing characteristics of the industrial explosive on the basis of ammonium nitrate
29.	<u>Mariia Melnychuk</u> (<i>Lviv Polytechnic National University, Ukraine</i>), Bilokur O.R., Chobit M.R., Vasylyev V.P., Panchenko Yu.V. Processing of fat-containing waste from flow waters
30.	<u>Monika Staś</u> (<i>University of Opole, Poland</i>), Teobald Kupka, Dawid Siodlak, Małgorzata A. Broda Molecular modeling and experimental studies on oxazole derivatives
31.	<u>Andrii Yakymovych</u> (<i>Lviv Polytechnic National University, Ukraine</i>), Orest Hevus Synthesis of N-Maleimido-Functionalized tosylates
32.	<u>Kateryna Bobrova</u> (<i>Lviv Polytechnic National University, Ukraine</i>) Roman Fleychuk, Orest Hevus Ring-opening reaction of five-membered oxygen-containing heterocycles with tert-butyl hydroperoxide on the example of 2,2-dimethyl-1,3-dioxolane
33.	<u>Roman Melnyk</u> (<i>Lviv Polytechnic National University, Ukraine</i>) Iryna Hrabazey, Anna Dyominova, Viktor Tokarev Synthesis of microcapsules with encapsulated magnetic nanoparticles for α-amylase immobilization
34.	<u>Sokolenko N.M</u> (<i>Institute of Chemical Technologies of the East Ukrainian National University. V.Dalya, Ukraine</i>), Popov E.V. Technology of plasticizing additives for concrete using phenolic wastewater of coke-chemical plants
35.	<u>Teterev M.M.</u> (<i>Institute of Chemical Technologies of the East Ukrainian National University. V.Dalya, Ukraine</i>), Sokolenko N.M., Chepiga I.I., Popov E.V. Economic and economic sourcing of technology for the receipt of biologically "Multi" surface-active substances based on the waste of the cellulose-paper industry