



FACULTY OF CHEMISTRY



CONFERENCE PROGRAM

7th Edition



IasiCHEM

2025

"CHEMISTRY FOR A SUSTAINABLE WORLD:
FROM LAB TO LEGACY"

OCTOBER 30–31, 2025, IAȘI



IasiCHEM 2025 CONFERENCE

7th Edition

"Chemistry for a Sustainable World: from Lab to Legacy"

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Assistant PhD. Elvira TURCU
PhD Stud. Roxana CIORTEANU
Stud. Mara-Elena HATMANU

Presentation time (discussion included)

- **Invited Conference (IC):** 35 minutes
- **Plenary Conference (PC):** 35 minutes
- **Oral Communication (OC):** 15 minutes

Posters Program

- Posters printing in **A0 format is recommended**. The posters will be displayed on the poster panel, at the indicated number.
- The **Poster Contributions from Session I (PC-I)** will be placed on the poster panel **Thursday, October 30**, during the registration time from 13⁰⁰ to 13³⁰, and will be removed Thursday after 20⁰⁰.
- The **Poster Contributions from Session II (PC-II)** will be placed on the poster panel **Friday, October 31**, during the registration time from 08³⁰-09⁰⁰ and will be removed Friday after 13⁰⁰.
- The **poster author presence is required** within the scheduled time for the contribution presentation and Q&A session.

Scientific Program

Day 1

Thursday, 30 October

- 13⁰⁰-13³⁰ **Registration of the participants**
- 13³⁰-13⁴⁰ **Welcome to IasiCHEM 2025**
Assoc. Prof. Alin Constantin DIRTU
The Dean of the Faculty of Chemistry
- 13⁴⁰-13⁵⁰ **Nobel Prize in Chemistry 2025 “for the development of metal–organic frameworks”**
Prof. Doina HUMELNICU

Scientific Session 1

P3 Amphitheater, Faculty of Chemistry, 13⁵⁰-15³⁰

Session chairs: Prof. PhD. Aurel PUI

Assoc. Prof. PhD. Alin Constantin DIRTU

- IC-01 Creativity, university, city**
13⁵⁰-14²⁵ Neculai Eugen SEGHEDEAN¹
¹Vice-rector of the “Gheorghe Asachi” Technical University of Iasi
- IC-02 The Green Frontier: Cellulose Nanofibers Driving the Future of Bioelectronics**
14²⁵-15⁰⁰ Sergiu COSERI¹
¹“Petru Poni” Institute of Macromolecular Chemistry, Laboratory of Polyaddition and Photochemistry
- OC-01 Doebner reaction pathways: where chemistry crafts new compounds**
15⁰⁰-15¹⁵ Maria Cristina AL-MATARNEH¹, Mihaela SILION², Petru TIRNOVAN¹
¹“Petru Poni” Institute of Macromolecular Chemistry, Center of Advanced Research in Bionanoconjugates and Biopolymers
²“Petru Poni” Institute of Macromolecular Chemistry, Physics of Polymers and Polymeric Materials Department
- OC-02 Chemistry of lanthanide silicates for environmental barrier coating applications**
15¹⁵-15³⁰ Vasile Cristian CIOMAGA HATNEAN¹, Monica CIOMAGA HATNEAN², Arkadiy SIMONOV³, Aurel PUI¹
¹“Alexandru Ioan Cuza” University of Iasi, Faculty of Chemistry
²Paul Scherrer Institute, PSI Center for Neutron and Muon Sciences, Switzerland
³ETH Zürich, Department of Materials, Switzerland

15³⁰-16³⁰ Poster Session I (PC-I) and Coffee break

Session chairs: Assoc. Prof. PhD. Dalila BELEI
Assoc. Prof. PhD. Iustinian-Gabriel BEJAN
Assoc. Prof. PhD. Vasile-Robert GRADINARU

Scientific Session 2

P3 Amphitheater, Faculty of Chemistry, 16³⁰-18¹⁰

Session chairs: Prof. PhD. Ionel MANGALAGIU
Prof. PhD. Cecilia ARSENE

IC-03 **Plants bioactive compounds - sustainable solutions?**
16³⁰-17⁰⁵ Rodica Mihaela DINICA¹

¹Dunarea de Jos" University of Galati, Faculty of Science and Environment,
Department of Chemistry, Physics and Environment

PC-01 **Dual-functional photocatalysts for sustainable solar light-
driven clean energy generation**
17⁰⁵-17⁴⁰

Daniel GHERCA¹, Adrian Iulian BORHAN^{1,2}, Alin Constantin DIRTU², Daniela DIRTU², Dana-Georgeta POPESCU³, Marius-Adrian HUSANU³, Camelia Nicoleta BORCA⁴, George STOIAN¹, Horia CHIRIAC¹, Gabriel ABABEI¹ and Nicoleta LUPU¹

¹National Institute of Research and Development for Technical Physics

²"Alexandru Ioan Cuza" University of Iasi, Faculty of Chemistry

³National Institute of Materials Physics

⁴Paul Scherrer Institute, Swiss Light Source, Switzerland

OC-03 **Impact of SO₂ Replacement on Wine Quality: A
Comparative Study of Traditional and Sulphite-Free
Techniques**
17⁴⁰-17⁵⁵

Ionel-Bogdan CIOROIU¹, Marius NICULAUA¹, Bogdan-Constantin NECHITA¹, Catalin ZAMFIR¹, Valeriu V. COTEA¹

¹Romanian Academy, Research Centre for Oenology, Iasi Branch

OC-04 **Sand and Polyelectrolytes: A "hard/soft" combination for
water cleaning**
17⁵⁵-18¹⁰

Florin BUCATARIU¹, Larisa-Maria PETRILA¹, Timeea-Anastasia CIOBANU¹, Marius-Mihai ZAHARIA¹, Marcela MIHAI¹

¹"Petru Poni" Institute of Macromolecular Chemistry

18¹⁰-19⁰⁰ **Evening buffet, networking and ideas exchange**
19⁰⁰ **Wine tasting (registration required)**

Oenology Research Center - Romanian Academy, Iasi

Day 2

Friday, 31 October

08³⁰-09⁰⁰ Registration of the participants

Scientific Session 3

P3 Amphitheater, Faculty of Chemistry, 09⁰⁰-10²⁰

Session chairs: Assoc. Prof. PhD. Ionel HUMELNICU
Assoc. Prof. PhD. Nicoleta CORNEI

IC-04 Exploring novel bonding motifs at the bottom of the
09⁰⁰-09³⁵ periodic table

Dumitru-Claudiu SERGENTU^{1,2}

¹"Alexandru Ioan Cuza" University of Iasi, Faculty of Chemistry

²"Alexandru Ioan Cuza" University of Iasi, ICI-RECENT AIR

OC-05 Synthetic approach to a heterocyclic Schiff base as a
09³⁵-09⁵⁰ precursor to Cu(II) complexes with potential anticancer activity

Alexandra BIRZU¹, Mihaela DASCALU¹, Gheorghe ROMAN¹,
Vladimir ARION¹, Maria CAZACU¹

¹"Petru Poni" Institute of Macromolecular Chemistry

OC-06 Antimicrobial coatings based on polysulfone for medical
09⁵⁰-10⁰⁵ devices

Oana DUMBRAVA¹, Irina ROSCA¹, Daniela AILINCAI¹,
Luminita MARIN¹

¹"Petru Poni" Institute of Macromolecular Chemistry

OC-07 From Waste to Worth: Exploring Aroma Compounds in
10⁰⁵-10²⁰ Grape Pomace for Sustainable Extraction Applications

Bettina-Cristina BUICAN¹, Camelia Elena LUCHIAN¹, Lucia
Cintia COLIBABA¹, Georgiana-Diana GABUR¹, Stamatina
KALLITHRAKA², Valeriu V. COTEA¹

¹"Ion Ionescu de la Brad" Iasi University of Life Sciences

²Agricultural University of Athens, Laboratory of Enology and Alcoholic
Drinks, Department of Food Science and Human Nutrition, Greece

10²⁰-11²⁰ Poster Session II (PC-II) and Coffee break

Session chairs: Prof. PhD. Doina HUMELNICU
Prof. PhD. Gheorghita ZBANCIOC
Assoc. Prof. PhD. Simona Maria CUCU-MAN

Scientific Session 4

P3 Amphitheater, Faculty of Chemistry, 11²⁰-13⁰⁰

Session chairs: Prof. PhD. Ramona DANAC

Assoc. Prof. PhD. Maria IGNAT

PC-02 Controlled Electrodeposition of Ferromagnetic Nanomaterials for Multifunctional Applications
11²⁰-11⁵⁵

O.G. DRAGOS-PINZARU¹, G. ABABEI¹, F. BORZA¹, D. HEREA¹, H. CHIRIAC¹, I. TABAKOVIC^{1,2}, D. SHORE², B.J.H. STADLER², N. LUPU¹

¹National Institute of R&D for Technical Physics

²University of Minnesota Twin Cities, Department of Chemical Engineering & Materials Science, USA

OC-08 Synthesis of functionalized polyphenols with azaheterocycle skeleton
11⁵⁵-12¹⁰

Roxana TUCALIUC¹, Violeta MANGALAGIU^{3,4}, Ionel I. MANGALAGIU²

¹"Ion Ionescu de la Brad" Iasi University of Live Science (IULS)

²"Alexandru Ioan Cuza" University of Iasi, Faculty of Chemistry

³"Alexandru Ioan Cuza" University of Iasi, ICI-CERNESIM

⁴"Stefan Cel Mare" University of Suceava, Faculty of Food Engineering

OC-09 Photocatalytic approach for ibuprofen advanced removal from aqueous solution in the presence of Zn-Co-Al-Fe layered double hydroxides derivatives
12¹⁰-12²⁵

Denis CUTCOVSCHI¹, Elena SEFTEL², Doina LUTIC³, Gabriela CARJA¹

¹"Gheorghe Asachi" Tehnical University, Faculty of Chemical Engineering and Environment Protection

²VITO Flemish Institute for Technological Research, Department of Sustainable Materials, Belgium

³"Alexandru Ioan Cuza" University of Iasi, Faculty of Chemistry

OC-10 Screening and Analysis of Per- and PolyFluoroAlkyl Substances (PFAS)
12²⁵-12⁴⁵

Dragos EFSTATIADE¹

¹Pro Analysis Systems

12⁴⁵-13⁰⁰ **Concluding remarks**

13⁰⁰ **Visits to RECENT AIR & CERNESIM Research Centers (registration required)**

Prof. PhD. Cecilia ARSENE & Prof. PhD. Romeo-Iulian OLARIU

POSTER SESSION I (PC-I)

Thursday, October 30, 15³⁰-16³⁰

- PI-1** **Indigenous microflora as starter cultures during red wines production**
Ecaterina COVACI¹, Alexandra ARSENI¹, Aliona SCLIFOS¹
¹*Technical University of Moldova, Faculty of Food Technology, Republic of Moldova*
- PI-2** **Spectroscopic Characterization of Biomass Burning Composition: UV-VIS Investigations of Nitroaromatic Compounds**
Eduard-Andrei ASANDEI¹, Iustinian Gabriel BEJAN^{1,2}
¹*"Alexandru Ioan Cuza" University of Iasi, Faculty of Chemistry*
²*"Alexandru Ioan Cuza" University of Iasi, ICI-CERNESIM*
- PI-3** **Functionalization of sodium alginate via Ugi multicomponent reaction and the self-associative behavior of the obtained derivative**
Raluca-Elena AVRAM¹, Claudiu-Augustin GHIORGHITA¹, Gabriela Liliana AILIESEI¹, Maria Marinela LAZAR¹, Maria Valentina DINU¹
¹*"Petru Poni" Institute of Macromolecular Chemistry*
- PI-4** **Synthesis of pyrroloquinoline derivatives by conventional and unconventional methods**
Ana-Maria BIRGOANU¹, Catalina-Ionica CIOBANU², Gheorghita ZBANCIOC¹
¹*"Alexandru Ioan Cuza" University of Iasi, Faculty of Chemistry*
²*"Alexandru Ioan Cuza" University of Iasi, ICI-CERNESIM*
- PI-5** **Physico-chemical characterisation of precipitation events in the Rarau Massif, north-eastern Romania**
Robert-Iulian BERARI¹, Alina-Giorgiana NEGRU², Laurentiu-Valentin SOROAGA^{1,2}, Cristian Dan LESENCIUC^{2,3}, Romeo-Iulian OLARIU^{1,2,4}, Cecilia ARSENE^{1,2,4}
¹*"Alexandru Ioan Cuza" University of Iasi, Faculty of Chemistry*
²*"Alexandru Ioan Cuza" University of Iasi, ICI-RECENT-AIR*
³*"Alexandru Ioan Cuza" University of Iasi, Faculty of Geography and Geology*
⁴*"Alexandru Ioan Cuza" University of Iasi, ICI-CERNESIM*
- PI-6** **Toward reliable modelling of lanthanide absorption spectra: Benchmarking DFT and wavefunction methods for tetravalent cerium**
Marc-Andrei BUGA-PARFENE¹, Ionel HUMELNICU¹, Dumitru-Claudiu SERGENTU^{1,2}
¹*"Alexandru Ioan Cuza" University of Iasi, Faculty of Chemistry*
²*"Alexandru Ioan Cuza" University of Iasi, ICI-RECENT-AIR*
- PI-7** **Synthesis and anticancer screening of new functionalized indolizines**
Roxana CIORTEANU^{1,2}, Catalina CIOBANU³, Ionel I. MANGALAGIU², Ramona DANAC²
¹*"Alexandru Ioan Cuza" University of Iasi, ICI-RECENT-AIR*
²*"Alexandru Ioan Cuza" University of Iasi, Faculty of Chemistry*
³*"Alexandru Ioan Cuza" University of Iasi, ICI-CERNESIM*
- PI-8** **Kinetic investigations for the gas-phase reaction of carvacrol with OH radicals**
Paula CRETU¹, Claudiu ROMAN^{2,3}, Cecilia ARSENE^{1,2,3}, Romeo Iulian OLARIU^{1,2,3}, Iustinian Gabriel BEJAN^{1,2}

¹"Alexandru Ioan Cuza" University of Iasi, Faculty of Chemistry

²"Alexandru Ioan Cuza" University of Iasi, ICI-CERNESIM

³"Alexandru Ioan Cuza" University of Iasi, RECENT AIR

- PI-9 [2+2+1] Cycloaddition for the synthesis of unsymmetrical 7,7'-biindolizines**
Andreea DANILA¹, Roxana CIORTEANU^{1,2}, Catalina Ionica CIOBANU³,
 Ionel I. MANGALAGIU¹, Ramona DANAC¹
¹"Alexandru Ioan Cuza" University of Iasi, Faculty of Chemistry
²"Alexandru Ioan Cuza" University of Iasi, RECENT AIR
³"Alexandru Ioan Cuza" University of Iasi, ICI-CERNESIM
- PI-10 Studies on Advancing Low-Cost Electrochemical Sensors for Air Quality Monitoring**
Ilinca-Elena GRIGORESCU¹, Bogdan PINTILIOAIE¹, Iustinian Gabriel
 BEJAN^{1,2}
¹"Alexandru Ioan Cuza" University of Iasi, Faculty of Chemistry
²"Alexandru Ioan Cuza" University of Iasi, ICI-CERNESIM
- PI-11 Modern analytical approaches in prospecting ecological solutions for pharmaceutical waste management**
Diana IRICIUC¹, Cecilia ARSENE^{1,2,3}
¹"Alexandru Ioan Cuza" University of Iasi, Faculty of Chemistry
²"Alexandru Ioan Cuza" University of Iasi, ICI-RECENT AIR
³"Alexandru Ioan Cuza" University of Iasi, ICI-CERNESIM
- PI-12 Mansorine – A Natural Coumarin with Neuroprotective Potential in an Okadaic Acid-Induced Alzheimer's Disease Zebrafish Model**
Maria-Crina ISAC¹
¹"Alexandru Ioan Cuza" University of Iasi, Faculty of Biology
- PI-13 Development and characterization of nitrogen-heterocyclic sulfonamides**
Florentina-Gabriela LAZAR¹, Ashraf Al-MATARNEH^{1,2}, Cristina Al-
 MATARNEH¹, Mariana PINTEALA¹
¹"Petru Poni" Institute of Macromolecular Chemistry
²"Alexandru Ioan Cuza" University of Iasi, Faculty of Chemistry
- PI-14 Antioxidant activity of new molecular hybrid based on homodrimane, thiosemicarbazone and oxadiazole unit**
Lidia LUNGU¹, Crina VICOL¹, Vsevolod POGREBNOI¹, Aculina
 ARICU¹
¹Moldova State University, Institute of Chemistry, Republic of Moldova
- PI-15 Synthesis of new hybrid-chimeric compounds via Cu(I)-catalyzed Huisgen azide-alkyne 1,3-dipolar cycloaddition**
Camelia-Georgiana MARANDIS^{1,2}, Dorina AMARIUCAI-MANTU¹,
 Vasilichia ANTOCI¹, Catalina-Ionica CIOBANU³, Ionel I.
 MANGALAGIU¹, Marcela MIHAI²
¹"Alexandru Ioan Cuza" University of Iasi, Faculty of Chemistry
²"Petru Poni" Institute of Macromolecular Chemistry, Department of Functional Polymers
³"Alexandru Ioan Cuza" University of Iasi, ICI-CERNESIM
- PI-16 New products obtained from the cycloaddition of benzimidazolium ylides to activated alkynes**
Alexandra-Cristina MARTIN¹, Catalina CIOBANU², Gheorghita
 ZBANCIOC¹, Sergiu SHOVA³, Ionel I. MANGALAGIU¹, Costel
 MOLDOVEANU¹
¹"Alexandru Ioan Cuza" University of Iasi, Faculty of Chemistry

²"Alexandru Ioan Cuza" University of Iasi, ICI-CERNESIM

³"Petru Poni" Institute of Macromolecular Chemistry

PI-17 Phytochemical study and antioxidant activity of Eclipta alba L (Hassk.) from Burkina Faso

Sonia Marie Blanche M'PO^{1,3}, Samson GUENNE^{2,3}, Benjamin Kouliga KOAMA^{1,3}, Nabéré OUATTARA^{3,4}, Nâg-Tiero Roland MEDA^{1,3}, Andreea Veronica BOTEZATU⁵, Alexandra Mariana IONESCU⁵, Maria Daniela MIHAILA⁵, Fanica BALANESCU⁶, Bianca FURDUI⁵, Rodica Mihaela DINICA⁵

¹Université Nazi BONI, Unité de Formation et de Recherches en Sciences et techniques (UFR-ST), Burkina Faso.

²Université Joseph Ki-ZERBO, Laboratoire de Biochimie et Chimie Appliquées (LABIOCA), Burkina Faso.

³Université Nazi BONI, Laboratoire de Recherches et de Formation en Santé Animales et Biotechnologie (LARESBA), Burkina Faso.

⁴Université de Dédougou, Burkina Faso

⁵"Dunarea de Jos" University of Galati, Faculty of Science and Environment

⁶"Dunarea de Jos" University of Galati, Faculty of Medicine and Pharmacy

PI-18 Matrix-Assisted Laser Desorption/Ionization Imaging Mass Spectrometry for Lipid Distribution Analysis in Biological Tissues

Nicola-Miruna MATEI¹, Brindusa Alina PETRE¹, Marius HERBST², Marianne ENGESER²

¹"Alexandru Ioan Cuza" University of Iasi, Faculty of Chemistry

² University of Bonn, Kekulé-Institute for Organic Chemistry and Biochemistry, Germany

PI-19 Quality Control and Assay of Ascorbic Acid in Pharmaceutical Dosage Forms using Chemical and Instrumental Analysis

Alina-Mihaela ELISEI¹, Iacob ANCUTA¹, Burlacu ALEXANDRA¹

¹"Dunarea de Jos" University of Galati, Faculty of Medicine and Pharmacy, Research Centre in the Medical-Pharmaceutical Field

POSTER SESSION II (PC-II)

Friday, October 31, 10²⁰-11²⁰

- PII-1** **DES-AQRES: A green and efficient aluminium oxide nanoparticle system based on deep eutectic solvents with enhanced safety and performance**
Georgiana BALUSESCU¹, Daniel-Dumitru HEREA¹, Anca Emanuela MINUTI¹, Gabriel ABABEI¹, George STOIAN¹, Daniel GHERCA¹, Nicoleta LUPU¹
¹National Institute of Research and Development for Technical Physics -IFT
- PII-2** **Insights into the mechano-chemical behaviour of the kinesin-like protein Tea2**
Veronica FILIMON¹, Romica CRETU², Alexandra-Virginia BOUNEGRU², Simona BUTAN²
¹"Dunarea de Jos" University, Cross-Border Faculty
²"Dunarea de Jos" University, Faculty of Sciences and Environment, Department of Chemistry, Physics and Environment
- PII-3** **Morphological and compositional characterization of microplastics as a transport vector**
Madalina CALMUC¹, Valentina Andreea CALMUC¹, Nina Nicoleta LAZAR¹, Puiu – Lucian GEORGESCU^{1,2}, Catalina ITICESCU^{1,2}
¹"Dunărea de Jos" University of Galati, REXDAN Research Centre
²"Dunărea de Jos" University of Galati, Faculty of Sciences and Environment
- PII-4** **UV- C degradation of some pharmaceuticals in aqueous solution**
Valentina Andreea CALMUC¹, Madalina CALMUC¹, Catalina ITICESCU^{1,2}, Puiu – Lucian GEORGESCU^{1,2}
¹"Dunărea de Jos" University of Galati, REXDAN Research Centre
²"Dunărea de Jos" University of Galati, Faculty of Sciences and Environment
- PII-5** **Quantification and use of the indigenous microbiome of grapes from the area with the Protected Geographical Indication "Ștefan Vodă"**
Ecaterina COVACI¹, Alexandra ARSENI¹
¹Technical University of Moldova, Faculty of Food Technologie, Republic of Moldova
- PII-6** **Where rivers meet, pollutants move - understanding the heavy metals' dynamics at the Argeș–Danube confluence**
Nina-Nicoleta LAZAR¹, Madalina CALMUC¹, Mihaela TIMOFTI^{1,2}, Maxim ARSENI^{1,2}, Catalina ITICESCU^{1,2}, Puiu Lucian GEORGESCU^{1,2}
¹"Dunărea de Jos" University of Galati, REXDAN Research Centre
²"Dunărea de Jos" University of Galati, Faculty of Sciences and Environment
- PII-7** **Tracing the Hidden Threat: Heavy Metals in Agricultural and Protected Soils**
Camelia LUCHIAN¹, Iuliana MOTRESCU¹, Anamaria DUMITRASCU¹, Elena Cristina SCUTARASU¹, Bettina BUICAN¹, Lucia Cintia COLIBABA¹, Valeriu COTEA¹
¹"Ion Ionescu de la Brad" Iasi University of Life Sciences

- PII-8 Advanced multi-residue analysis of PAHs, PCBs and pesticides in Danube River sediments (Romania)**
Stefania-Adelina MILEA¹, Valentina-Andreea CALMUC¹, Catalina ITICESCU^{1,2}, Puiu-Lucian GEORGESCU^{1,2}, Alin-Constantin DIRTU³
¹"Dunărea de Jos" University of Galati, REXDAN Research Centre
²"Dunărea de Jos" University of Galati, Faculty of Sciences and Environment
³"Alexandru Ioan Cuza" University of Iasi, Faculty of Chemistry
- PII-9 Influence of thermal treatment on the structural, magnetic and transport properties of La_{0.54}Nd_{0.11}Sr_{0.35}Mn_{0.85}Co_{0.15}O_{3±δ} manganite**
Carmen MITA¹, Nicoleta CORNEI¹, Marius DOBROMIR², Laurentiu Valentin SOROAGA^{1,3}, Ioana Aurelia GORODEA¹, Diana MARDARE⁴
¹"Alexandru Ioan Cuza" University of Iasi, Faculty of Chemistry
²"Alexandru Ioan Cuza" University of Iasi, RECENT AIR ICI-RAMTECH
³"Alexandru Ioan Cuza" University of Iasi, ICI-CERNESIM
⁴"Alexandru Ioan Cuza" University of Iasi, Faculty of Physics
- PII-10 Comparative thermal and surface characterization of activated carbons obtained from peach stones**
 Irina CEBAN¹, Oleg PETUHOV¹, Nina TIMBALIUC¹, Tatiana GOREACIOC¹, Iolanta BALAN¹, Maria STEFAN², Tudor LUPASCU¹, Raisa NASTAS¹
¹Institute of Chemistry of Moldova State University, Republic of Moldova
²National Institute for Research and Development of Isotopic and Molecular Technologies
- PII-11 Building a science-based framework for sustainable sediment management in the Danube-Black Sea System**
Mihaela TIMOFTI¹, Nina Nicoleta LAZAR², Madalina CALMUC², Valentina CALMUC², Maxim ARSENI¹, Adelina MILEA², Adrian ROSU¹, Daniel Eduard CONSTANTIN², Sorina Sandita PACURARU³, Puiu Lucian GEORGESCU¹
¹"Dunărea de Jos" University of Galati, Faculty of Sciences and Environment & REXDAN Research Centre
²"Dunărea de Jos" University of Galati, REXDAN Research Centre
³"Dunărea de Jos" University of Galati, Faculty of Naval Architecture
- PII-12 Synthesis, Characterization, and Tunability of Substituted Benzimidazolium Precursors for Ionic Liquid Development**
Rares-Georgian MOCANU¹, Dana BEJAN¹, Irina ROSCA¹, Alina NICOLESCU¹, Sergiu SHOVA¹, Narcisa MARANGOCI¹, Mariana PINTEALA¹
¹"Petru Poni" Institute of Macromolecular Chemistry
- PII-13 Zn_{10%}:Fe₃O₄ Nanoparticles as Dual-Function Systems for Controlled Doxorubicin Release and Magnetic Hyperthermia**
Mirela NISTOR^{1,2}, Vera BALAN³, Aurel PUI², Raluca-Maria FRATILA⁴, Rares-Ionut STIUFIUC^{1,5}, Brindusa DRAGOI^{1,2}
¹Regional Institute of Oncology, TRANSCEND Department, Nanotechnology Laboratory
²"Alexandru Ioan Cuza" University of Iasi, Faculty of Chemistry
³Grigore T. Popa University of Medicine and Pharmacy of Iasi, Faculty of Medical Bioengineering, Biomedical Sciences Department
⁴University of Zaragoza, Institute of Material Science of Aragón, Bionanosurf Group, Spain
⁵"Iuliu Hatieganu" University of Medicine and Pharmacy, Faculty of Pharmacy, Department of Pharmaceutical Physics-Biophysics

- PII-14 NMR and GC-based evaluation of essential oils: developing safe, skin-friendly alternatives for onychomycosis management**
Diana-Loredana POPA¹, Florentina-Gabriela LAZAR², Rafaela Paula VRABIE³, Cristina Maria AL-MATARNEH²
¹"Alexandru Ioan Cuza" University of Iasi, Faculty of Chemistry
²"Petru Poni" Institute of Macromolecular Chemistry
³"Gheorghe Asachi" Technical University of Iasi, Faculty of Chemical Engineering and Environmental Protection
- PII-15 Design, synthesis and characterization of novel hybrid compounds based on phthalazino-acetophenone scaffolds**
Marius SAVU¹, Vasilichia ANTOCI¹, Dorina AMARIUCAI-MANTU¹, Ramona DANAC¹, Dumitrelea DIACONU^{1,2}, Catalina CIOBANU³, Sergiu SHOVA⁴, Ionel I. MANGALAGIU^{1,3}
¹"Alexandru Ioan Cuza" University of Iasi, Faculty of Chemistry
²"Alexandru Ioan Cuza" University of Iasi, ICI-RECENT AIR
³"Alexandru Ioan Cuza" University of Iasi, ICI-CERNESIM
⁴"Petru Poni" Institute of Macromolecular Chemistry
- PII-16 AI-Guided QSAR, Docking and MD for Designing Next-Generation GLP-1/GIP Agonists with Extended Action**
Andreea SCUTELNICU¹, Romeo-Iulian OLARIU^{1,2,3}
¹"Alexandru Ioan Cuza" University of Iasi, Faculty of Chemistry
²"Alexandru Ioan Cuza" University of Iasi, ICI-CERNESIM
³"Alexandru Ioan Cuza" University of Iasi, ICI-RECENT AIR
- PII-17 Phenolic content and antioxidant activities of Uvaria chamae leaf fractions**
Sabrina Chris Janiba SANVEE¹, Andreea Veronica BOTEZATU², Batomayena BAKOMA¹, Maria Daniela Ionica MIHAILA², Steluta GOSAV², Bianca FURDUI², Alexandra Mariana IONESCU², Anna BUSUIOC², Ana-Maria MOCANU², Rodica Mihaela DINICA²
¹University of Lomé, Faculty of Health Sciences, Department of Pharmaceutical Sciences, Laboratory of Chemistry and Natural Substances, Togo
²"Dunărea de Jos" University of Galati, Department of Chemistry, Physics and Environment
- PII-18 Extraction and study of biologically active molecules from Piper Nigrum**
Andreea Veronica BOTEZATU¹, Maria Ioana COROLENCO¹, Alexandra Mariana IONESCU¹, Maria Daniela Ionica MIHAILA¹, Marius Vasile BARDAN¹, Anna BUSUIOC¹, Fanica BALANESCU², Bianca FURDUI¹, Rodica Mihaela DINICA¹
¹"Dunrea de Jos" University of Galati, Department of Chemistry, Physics and Environment
²"Dunărea de Jos" University of Galati, Department of Pharmaceutical Sciences, Faculty of Medicine and Pharmacy

Co-organizers



Partener



Societatea de Chimie
din ROMANIA

