



ROMANIAN ACADEMY
„CORIOLAN DRĂGULESCU” INSTITUTE OF CHEMISTRY
24 Mihai Viteazu Av., RO-300223,
Timișoara, Romania, phone: 0256-491818



The 18th Edition of the Conference

NEW TRENDS IN CHEMISTRY RESEARCH

NOI TENDINȚE DE CERCETARE ÎN DOMENIUL CHIMIEI

PROGRAM

NewChemRes 20₂6

**September 2-4, 2026
TIMIȘOARA**

With financial support from:



Project Center of Excellence
PN-IV-P6-6.1-CoEx-2024-0056



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International Journal of
Molecular Sciences

The 18th Edition of the International Conference

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RESEARCH**

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**September 2-4, 2026
Timișoara, România**

ORGANIZERS



“CORIOLAN DRĂGULESCU”
INSTITUTE OF CHEMISTRY



ROMANIAN ACADEMY –
TIMIȘOARA BRANCH



ROMANIAN CHEMICAL
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New Trends in Chemistry Research		Synthetic Program		NewChemRes2026	
Wednesday, September 2		Thursday, September 3		Friday, September 4	
08³⁰ - 08³⁰ Registration 08³⁰ - 09³⁰ Opening session 09³⁰ - 09⁴⁰ ★ PL1. Ladislau VÉKÁS 09⁴⁰ - 10³⁰ ★ PL2. Alessandro PELLIS 10³⁰ - 10⁴⁰ ★ Francesco RABONI 10⁴⁰ - 11³⁰ ★ Andrea PASQUALE 11³⁰ - 11³⁰ ☕ Coffee break 11³⁰ - 12¹⁰ ★ PL3. Fabio ARICÒ 12¹⁰ - 12³⁰ ★ PL4. Mihaela FLOREA 12³⁰ - 13¹⁰ ★ OP1. Giuseppe DI LUCA 13¹⁰ - 13³⁰ ★ OP2. Adriana-Petronela CHIRIAC 13³⁰ - 14³⁰ ☕ Lunch break 14³⁰ - 15¹⁰ ★ PL5. Dana COPOLOVICI 15¹⁰ - 15³⁰ ★ OP3. Andra-Elena BEJAN 15³⁰ - 15⁵⁰ ★ OP4. Yanhui CHEN 15⁵⁰ - 15⁵⁵ ⚡ F1. Alexandru BALAN 15⁵⁵ - 16³⁰ ☕ Coffee break Special session for Project 87PED/2025 Development of a sustainable method for obtaining glycosylated flavonoids using supports- SubBIOgly 16³⁰ - 17³⁰ 📄 Poster session 1 17³⁰ - 20³⁰ 🏠 Exploring Timisoara: City tour & RO-OPENSCIENCE Center visit	08³⁰ - 09³⁰ ★ PL6. Ionuț LEDEȚI 09⁴⁰ - 10³⁰ ★ PL7. Athanasios SALIFOGLOU 10³⁰ - 10⁴⁰ ★ OP. 5 Radostina ALEXANDROVA 10⁴⁰ - 11³⁰ ★ OP.6 Svetlana DOGO MRACEVIC 11³⁰ - 11³⁰ ☕ Coffee break 11³⁰ - 12¹⁰ ★ PL8. Goran UNGAR 12¹⁰ - 12³⁰ ★ PL9. Dan PANTOȘ 12³⁰ - 13¹⁰ ★ OP7. Robert I. BOTEA 13¹⁰ - 13³⁰ ★ OP8. István ILIŠZ 13³⁰ - 14³⁰ ☕ Lunch break 14³⁰ - 15¹⁰ ★ PL10. Mihaela MATACHE 15¹⁰ - 15⁵⁰ ★ PL11. Edouard BADARAU 15⁵⁰ - 16¹⁰ ★ OP9. Maria Cristina AL-MATARNEH 16¹⁰ - 16³⁰ ★ OP10. Alexandru SONICA 16³⁰ - 17³⁰ ☕ Coffee break 17³⁰ - 18³⁰ 📄 Poster session 2 19³⁰ - 23³⁰ 🍷 Conference Dinner	08³⁰ - 09³⁰ Registration 09³⁰ - 09⁴⁰ ★ PL6. Ionuț LEDEȚI 09⁴⁰ - 10³⁰ ★ PL7. Athanasios SALIFOGLOU 10³⁰ - 10⁴⁰ ★ OP. 5 Radostina ALEXANDROVA 10⁴⁰ - 11³⁰ ★ OP.6 Svetlana DOGO MRACEVIC 11³⁰ - 11³⁰ ☕ Coffee break 11³⁰ - 12¹⁰ ★ PL8. Goran UNGAR 12¹⁰ - 12³⁰ ★ PL9. Dan PANTOȘ 12³⁰ - 13¹⁰ ★ OP7. Robert I. BOTEA 13¹⁰ - 13³⁰ ★ OP8. István ILIŠZ 13³⁰ - 14³⁰ ☕ Lunch break 14³⁰ - 15¹⁰ ★ PL10. Mihaela MATACHE 15¹⁰ - 15⁵⁰ ★ PL11. Edouard BADARAU 15⁵⁰ - 16¹⁰ ★ OP9. Maria Cristina AL-MATARNEH 16¹⁰ - 16³⁰ ★ OP10. Alexandru SONICA 16³⁰ - 17³⁰ ☕ Coffee break 17³⁰ - 18³⁰ 📄 Poster session 2 19³⁰ - 23³⁰ 🍷 Conference Dinner	09³⁰ - 09³⁰ ★ PL11. Florica MANEA 09⁴⁰ - 10³⁰ ★ PL12. Marcela MIHAI 10³⁰ - 10⁴⁰ ★ OP12. Alberto FIGOLI 10⁴⁰ - 10⁵⁰ ★ OP13. Francesco GALIANO 10⁵⁰ - 11³⁰ ★ OP14. Lueth Marien MORENO PASQUAL 11³⁰ - 11³⁰ ☕ Coffee break 11³⁰ - 11⁵⁰ ★ OP15. Larisa-Maria PETRILA 11⁵⁰ - 12¹⁰ ★ OP16. Leposava PAVLIN 12¹⁰ - 12¹⁵ ⚡ F2. Gheorghita CRETU YOUNG NewChemRes2026 FLASH POSTER SESSION 12¹⁵ - 12³⁰ ⚡ FP1. Cicely M. WARNE 12³⁰ - 12³⁵ ⚡ FP2. Raluca POP 12³⁵ - 12⁴⁰ ⚡ FP3. Ioșif-Cristian MOCAN 12⁴⁰ - 12⁴⁵ ⚡ FP4. Florentina Gabriela LAZĂR 12⁴⁵ - 12⁵⁰ ⚡ FP5. Alexandru BUHAI 12⁵⁰ - 13¹⁰ ☕ Coffee break 13¹⁰ - 13³⁰ 🏆 Conference Awards 📷 Closing remarks and Group photo pictures	Special session for Project 6CoEX/2026: Center of Excellence in water management, materials, by-products and waste valorisation for circular bioeconomy implementation - CERSUS 09³⁰ - 09³⁰ ★ PL11. Florica MANEA 09⁴⁰ - 10³⁰ ★ PL12. Marcela MIHAI 10³⁰ - 10⁴⁰ ★ OP12. Alberto FIGOLI 10⁴⁰ - 10⁵⁰ ★ OP13. Francesco GALIANO 10⁵⁰ - 11³⁰ ★ OP14. Lueth Marien MORENO PASQUAL 11³⁰ - 11³⁰ ☕ Coffee break 11³⁰ - 11⁵⁰ ★ OP15. Larisa-Maria PETRILA 11⁵⁰ - 12¹⁰ ★ OP16. Leposava PAVLIN 12¹⁰ - 12¹⁵ ⚡ F2. Gheorghita CRETU YOUNG NewChemRes2026 FLASH POSTER SESSION 12¹⁵ - 12³⁰ ⚡ FP1. Cicely M. WARNE 12³⁰ - 12³⁵ ⚡ FP2. Raluca POP 12³⁵ - 12⁴⁰ ⚡ FP3. Ioșif-Cristian MOCAN 12⁴⁰ - 12⁴⁵ ⚡ FP4. Florentina Gabriela LAZĂR 12⁴⁵ - 12⁵⁰ ⚡ FP5. Alexandru BUHAI 12⁵⁰ - 13¹⁰ ☕ Coffee break 13¹⁰ - 13³⁰ 🏆 Conference Awards 📷 Closing remarks and Group photo pictures	📄 Flash presentations (5 min., Q&A included) 📄 Posters - A0/A1 size, poster exhibition 📄 Planetary lectures (40 min., Q&A included) 📄 Oral presentations (20 min., Q&A included) 📄 Lunch break (60 min.) ☕ Coffee break (30 min.)

Wednesday, September 2

08.00-08.50 - Registration of the participants

... ❖ **OPENING SESSION** ❖ ...

08.50-09.00

Opening session

Liliana CSEH, Director of the "Coriolan Drăgulescu" Institute of Chemistry, Chairman of the Organizing Committee

... ❖ **FIRST DAY SESSION** ❖ ...

Chairmen: Dr. Liliana CSEH

09.00-09.40

PL1. Acad. Ladislau VÉKÁS

Romanian Academy – Timișoara Branch, Center for Fundamental and Advanced Technical Research, Laboratory of Magnetic Fluids, Timișoara, Romania

From ferrofluids to ferrofluid driven manufacturing of new materials-the role of chemistry

09.40-10.20

PL2. Alessandro PELLIS, Francesco Maria RABONI, Maria Jose CALANDRI, Cicely May WARNE, Con Robert MCELROY

University of Genova, Department of Chemistry and Industrial Chemistry, Genova, Italy

Levogluosenone: a versatile platform molecule for the preparation of high-boiling solvents and building blocks for polymer synthesis

10.20-10.40

OP1. Francesco RABONI, Atsushi TAHARA, Lisa. MONI, Alessandro PELLIS

University of Genova, Department of Chemistry and Industrial Chemistry, Genova, Italy

Levogluosenone-derived diols for biocatalytic polyester synthesis

10.40-11.00

OP2. Andrea PASQUALE, Martina GALATINI, Giacomo DAMONTE, Anamaria TODEA, Laura CIPOLLA, Dario CAVALLO, Alessandro PELLIS

University of Genova, Department of Chemistry and Industrial Chemistry, Genova, Italy

Sweet sugar-based plasticizers for polymers

Coffee Break 11.00-11.30

Chairmen: Dr. Aurelia VIȘA

11.30-12.10

PL3. Fabio ARICÒ

Ca' Foscari University of Venice, Department of Environmental Sciences, Informatics and Statistics, Venezia Mestre, Italy

Advancing green chemistry in bio-based platform chemical synthesis

12.10-12.50

PL4. Iuliana M. CHIRICA, Florentina NEATU, Mihaela M. Trandafir, Stefan NEATU, Mihaela FLOREA

National Institute of Material Physics, Catalytic Materials and Catalysis Laboratory, Magurele, Ilfov, Romania

Biomass-derived terephthalic acid through selective oxidation of renewable p-cymene over earth-abundant catalytic materials

12.50-13.10

OP3. Giuseppe DI LUCA, Francesco GALIANO, Alberto FIGOLI

Istituto per la tecnologia a membrana "E. Drioli" (CNR-ITM), Rende (CS), Italy

Sustainable-solvent-processed PVDF/carbon nanohorn membranes for enhanced separation performance

13.10-13.30

OP4. Adriana-Petronela CHIRIAC, Dan-Radu RUSU, Mariana-Dana DAMACEANU

Petru Poni Institute of Macromolecular Chemistry, Electroactive Polymers & Plasmochemistry Laboratory, Iasi, Romania

Synthesis and characterisation of flexible polyimide blends incorporating bulky and fluorinated units

Lunch Break 13.30-14.30

Chairmen: Dr. Ana-Maria LACRĂMĂ

14.30-15.10

PL5. Dana-Maria COPOLOVICI, Cristian MOISA, Andreea LUPITU, Flavia BORTES, Elena Rusandra ILLYES, Luminița ANDRONIC, Lucian COPOLOVICI

“Aurel Vlaicu” University of Arad, Faculty of Food Engineering, Tourism, and Environmental Protection and Institute for Interdisciplinary Research, Arad, Romania

Snail-based products as sustainable resources for circular bioeconomy applications

15.10-15.30

OP5. Andra-Elena BEJAN, Catalin-Paul CONSTANTIN, Mariana-Dana DAMACEANU

Petru Poni Institute of Macromolecular Chemistry, Romanian Academy, Electroactive Polymers and Plasmachemistry Department, Iasi, Romania

Non-conjugated polyamide for flexible supercapacitors with electrochromic state-of-charge visualization

15.30-15.50

OP6. Yanhui CHEN, Bingying HUANG

Chang'an Campus of Northwestern Polytechnical University, Chang'an District, Xi'an City, Shaanxi Province, China

Highly thermally conductive epoxy-based phase-change composite materials for efficient chip thermal management

15.50-15.55

F1. Alexandru BĂLAN

Laboratorium SRL, Romania

Characterization of fluorescent macromolecules and nanoparticles

Coffee Break 15.55-16.30

Special section ≈ Development of a sustainable method for obtaining glycosylated flavonols using biocatalysts immobilized on renewable supports ≈ SusBioGly, Project Code: PN-IV-P7-7.1-PED-2024-2513

16.30-17.30 POSTER SESSION 1 - under the auspices of the Special Section

17.40-20.00 Exploring Timisoara: City tour
Inside RO-OPENSREEN: Center visit

— “ *First day closing session* ” —

Thursday, September 3

08.00-09.00 - Registration of the participants

... ♦ **SECOND DAY SESSION** ♦ ...

Chairmen: Dr. Ramona CURPAN

09.00-09.40

PL8. Ionuț LEDEȚI, Adriana LEDEȚI

*University of Medicine and Pharmacy Victor Babeș Timișoara, Faculty of Pharmacy,
Advanced Instrumental Screening Center, Timisoara, Romania*

The preformulation toolbox: how instrumental techniques drive rational drug development

09.40-10.20

PL9. Athanasios SALIFOGLU

*Aristotle University of Thessaloniki, School of Chemical Engineering, Faculty of Engineering,
Thessaloniki, Greece*

Vanadium metallodrugs: the alternative to traditional cancer chemotherapeutics

10.20-10.40

OP9. Radostina ALEXANDROVA, Orlin ALEXANDROV, Eliya STOILOVA, Silvia MANCHEVA, Tanya ZHIVKOVA, Lora DYAKOVA, Abedulkadir ABUDALLEH, Hristo HRISTOV, Ildiko BUTA, Teodora MOCANU, Daniela-Cristina CULITA, Gabriela MARINESCU

Bulgarian Academy of Sciences, Institute of Experimental Morphology, Pathology and Anthropology with Museum, Sofia, Bulgaria

Nano-oncology: challenges, hopes, and successes

10.40-11.00

OP10. Svetlana ĐOGO MRAČEVIĆ, Almasa LEKPEK, Zoran DINIĆ, Aleksandra ŠAJNOVIĆ, Slavica RAŽIĆ, Milan STANKOVIĆ, Branimir JOVANČIĆEVIĆ

Department of Environmental Sciences, Informatics and Statistics, Ca' Foscari University of Venice, Venezia Mestre, Italy

Bioavailability of potentially toxic elements: implications for sustainable environmental and human health risk assessment

Coffee Break 11.00-11.30

Chairmen: Dr. Nicoleta PLEȘU

11.30-12.10

PL6. Goran UNGAR

University of Sheffield, Department of Materials Science, United Kingdom and Engineering and School of Materials, Xi'an Jiaotong University, China

Mechanism of Self-Assembly of Complex Mesophases and Stages in Development of Spontaneous Chirality

12.10-12.50

PL7. Dan PANTOS

University of Bath, Department of Chemistry, United Kingdom

Chiral emissive thin films

12.50-13.10

OP7. Robert I. BOTEĂ, Augustin MĂDĂLAN

University of Bucharest, Faculty of Chemistry, Bucharest, Romania

Rational design and structural investigation of lanthanide and transition metal complexes with extended π -conjugated ligands

13.10-13.30

OP8. István ILISZ, Gábor NÉMETI, Róbert BERKECZ

University of Szeged, Institute of Pharmaceutical Analysis, Faculty of Pharmacy, Szeged, Hungary

Emerging trends in enantioselective liquid chromatographic separations: focus on ion-exchange-based chiral stationary phases

Lunch Break 13.30-14.30

Chairmen: Dr. Dan PANTOȘ

14.30-15.10

PL10. Bogdan C. ENACHE, George COSTACHE, Adela DOBRE, Maria POPESCU, Anamaria HANGANU, Augustin M. MĂDĂLAN, Codruța C. POPESCU, Mihaela MATACHE

University of Bucharest, Faculty of Chemistry, Department of Inorganic, Organic Chemistry, Biochemistry and Catalysis, Research Centre of Applied Organic Chemistry and Faculty of Interdisciplinary Studies, Interdisciplinary School of Doctoral Studies, Bucharest, Romania

Toward novel light-responsive heteroaryl-azo molecules

15.10-15.50

PL11. Edouard BADARAU

University of Bordeaux, Institute of Chemistry & Biology of Membranes & Nanoobjects (CBMN), Pessac, France

Design of smart amphiphilic nanoparticles for precision & sustained drug-release

15.50-16.10

OP11. Maria Cristina AL-MATARNEH, Alina NICOLESCU, Mihaela SILION, Kulcitki VEACESLAV

Research Institute of the University of Bucharest-ICUB, Bucharest, Romania

New reactivity patterns in the Doebner reaction of cyclic secondary amine-substituted benzaldehydes with electron-withdrawing anilines

16.10-16.30

OP12. Alexandru SONICA, Radu SILAGHI-DUMITRESCU

Babeș-Bolyai University, Faculty of Chemistry and Chemical Engineering, Cluj-Napoca, Romania

Can metals bind to biliproteins?

Coffee Break 16.30-17.00

17.00-18.00 POSTER SESSION 2

19.30-23.30 Conference dinner

— *.. Second day closing session ..* —

Friday, September 4

... ❖ **THIRD DAY SESSION** ❖ ...

Special section ≈ Center of excellence in water management, materials, by-products and waste valorisation for circular bioeconomy implementation ≈ CERSUS, Project Code: PN-IV-P6-6.1-CoEx-2024-0056



Chairmen: Prof. Fabio ARICÒ

09.00-09.20

OP13. Elisabeta I. SZERB, Florica MANEA

"Coriolan Dragulescu" Institute of Chemistry, Romanian Academy, Timisoara, Romania

CERSUS – Center of excellence in water management, materials, by-products and waste valorisation for circular bioeconomy implementation

09.20-10.00

PL12. Marcela MIHAI

Petru Poni Institute of Macromolecular Chemistry, Iasi, Romania

Innovative materials for environmental applications, resources recovery and reuse

10.00-10.20

OP14. Alberto FIGOLI, Francesca RUSSO, Giuseppe DI LUCA, Francesco GALIANO

Institute on Membrane Technology "Enrico Drioli", National Research Council of Italy (CNR-ITM), Rende (CS), Italy

Green approach in membrane fabrication

10.20-10.40

OP15. Francesco GALIANO, Raffaella MANCUSO, Lorenzo GUAZZELLI, Christian Silvio POMELLI, Jochen BUNDSCHUCH, Jörg RINKLEBE, Shan-Li WANG, Carmine APOLLARO, Fabio PALUMBO, Cinzia CHIAPPE, Bartolo GABRIELE, Alberto FIGOLI

Institute on Membrane Technology "Enrico Drioli", National Research Council of Italy (CNR-ITM), Rende (CS), Italy

Bioinspired arsenic-sequestering membranes for sustainable water decontamination

10.40-11.00

OP16. Lizeth Marlen MORENO PASCUAL, Natalia Nicotra, Francesco Papatola, Omar Ginoble PANDOLI, Alessandro PELLIS
University of Genova, Department of Chemistry and Chemistry of Materials, Genova, Italy
Sustainable bamboo-derived biochar as a functional enzyme support: effect of pyrolysis conditions

Coffee Break 11.00-11.30

Chairmen: Dr. Alina BORA

11.30-11.50

OP17. Larisa-Maria PETRILA, Cristina BOSTACĂ, Marius-Mihai ZAHARIA, Ana-Lavinia VASILIU, Marcela MIHAI
Petru Poni Institute of Macromolecular Chemistry, Iasi, Romania

Self-assembled laccase-based biohybrids: a robust biocatalytic platform for efficient dye degradation

11.50-12.10

OP18. Leposava PAVUN

University of Belgrade, Faculty of Pharmacy, Belgrade, Serbia

Trends to dye for: flavonoids as eco-colorants of textile fibers with 2-in-1 resulting properties

12.10-12.15

F2. Gheorghita CRETU

Pro Analysis Systems Romania

Determination of microplastics

— • *FLASH PRESENTATION SESSION* • —

Chairmen: Dr. Alina BORA

12.15-12.20

FP1. Cicely M. WARNE, Lucia GARDOSI, Anamaria TODEA, Alessandra OPERAMOLLA

University of Pisa, Department of Chemistry and Industrial Chemistry, Pisa, Italy

The BIO-TEXTILE-SSbD project: developing safe and sustainable by design bio-based liquid repellent textile coatings

12.20-12.25

FP2. Raluca POP, Adina Căta, Daniela Velciov, Alexandra Masuti, Ioana M. C. Ienașcu

Victor Babeș University of Medicine and Pharmacy, Faculty of Pharmacy, Timisoara, Romania

Theoretical insights into the interactions of dacarbazine tautomers with fullerene nanocarriers

12.25-12.30

FP3. Iosif-Cristian MOCAN, Bianca MARANESCU, Aurelia VIȘA

West University of Timișoara, Faculty of Chemistry, Biology, Geography, Timisoara, Romania

Synthesis and characterization of α -aminophosphonate ligands as precursors for metal-organic frameworks

12.30-12.35

FP4. Ashraf AL-MATARNEH, Florentina Gabriela LAZĂR, Mariana PINTEALĂ, Ionel MANGALAGIU, Maria Cristina AL-MATARNEH

Petru Poni” Institute of Macromolecular Chemistry, Romanian Academy, Centre of Advanced Research in Bionanoconjugates and Biopolymers, Iasi, Romania

[3+2] Dipolar cycloaddition-based functionalization of phenanthridine and the synthesis of low-molecular-weight quaternary salts using short aliphatic chains

12.35-12.40

FP5. Alexandru BUHAI, Andrei IVAN, Aurelia VIȘA

”Coriolan Dragulescu” Institute of Chemistry, Romanian Academy, Timisoara, Romania

Synthesis and antibacterial potential of quaternary phosphonium salts

Coffee Break 12.40-13.10

13.10-13.30 – CONFERENCE AWARDS

CLOSING REMARKS AND GROUP PHOTO PICTURE

... ❖ *END OF CONFERENCE* ❖ ...

POSTER SESSION

Special section

*“Development of a sustainable method for obtaining glycosylated flavonols
 using biocatalysts immobilized on renewable supports”*

Project Code: PN-IV-P7-7.1-PED-2024-2513

POSTER SESSION 1

under the auspices of the Special section

1. **SUSTAINABLE PRODUCTION OF BIOACTIVE FLAVONOL GLYCOSIDES: OPTIMIZATION OF THE REACTION PARAMETERS**
Livia DEVESELEANU-CORICI, Ildiko BUTĂ, Alina Ramona BUZATU, Alina MOGOȘANU, Costin-Ioan POPESCU, Liliana CSEH
2. **SILICA DERIVED FROM RICE HUSK ASH: TAILORING PHASE STRUCTURE AND MORPHOLOGY BY CONTROLLING CALCINATION TEMPERATURE**
Orsina VERDES, Mariana SUBA, Silvana BORCĂNESCU, Cătălin IANAȘI, Paula SVERA, Livia DEVESELEANU-CORICI
3. **INTENTIONAL SOLVENT-DRIVEN STANDARDIZATION OF ROSEMARY EXTRACTS: DIRECTING HYDROPHILIC AND LIPOPHILIC PHYTOCHEMICALS TOWARD FUNCTIONAL COSMETIC INGREDIENTS**
Daniela HAIDU, Manuela CRIȘAN, Mariana SUBA, Luminița CRIȘAN, Ildiko BUTĂ, Camelia OPREAN
4. **NEW ASYMMETRIC CURCUMIN ANALOGUES: PH-RESPONSIVE BEHAVIOUR AND ANTIOXIDANT ACTIVITY**
Alina MOGOSANU, Livia CORICI-DEVESELEANU, Liliana CSEH
5. **PRELIMINARY STUDIES ON WATER BASED FERROFLUID WITH APPLICATION IN WASTEWATER TREATMENT**
Ildiko BUTA, Vlad Mircea SOCOLIUC, Mariana SUBA, Catalin IANASI, Liliana CSEH, Ladislau VÉKÁS
6. **NEWLY SYNTHESIZED SMALL MOLECULES: IN SILICO AND IN VITRO EVIDENCE OF ANTICANCER ACTIVITY AGAINST DIFFERENT CELL LINES**
Bogdan-Ionuț MARA, Livia DEVESELEANU-CORICI, Alexandra

	MIOC, Ramona CURPĂN, Valentin BADEA, Alina NICOLESCU, Liliana CSEH
7.	SYNTHESIS AND STRUCTURAL CHARACTERIZATION OF A NOVEL THIAZOLE-CONTAINING SULFONAMIDE DERIVATIVE AS A POTENTIAL BACTERIAL CARBONIC ANHYDRASE INHIBITOR <u>Ioana Andreea ANDREI</u> , Bogdan MARA, Liliana CSEH
8.	ANTITUMOR ACTIVITY OF NOVEL COPPER(II) COMPLEXES IN A ROUS SARCOMA VIRUS - TRANSFORMED CELL CULTURE MODEL <u>Eliya STOILOVA</u> , Ildiko BUTA, Silvia MANCHEVA, Bogdan MARA, Tanya ZHIVKOVA, Lora DYAKOVA, Abedulkadir ABUDALLEH, Hristo HRISTOV, Radostina ALEXANDROVA, Liliana CSEH
9.	EVALUATION OF THE CHEMICAL COMPOSITION AND BIOLOGICAL ACTIVITIES OF DIFFERENT PLANT EXTRACTS - GREEN SYNTHESIS OF NANOPARTICLES <u>Alexandra-Mariana IONESCU</u> , Andreea Veronica BOTEZATU, Ana-Maria MOCANU, Bianca FURDUI, Alina Viorica IANCU, Luminita MARIN, Mihaela SILION, Maria Paula Cabral CAMPELLO, Fernanda Marujo MARQUES, Costel VINATORU, Rodica Mihaela DINICA
10.	PHYSIOLOGICAL AND METABOLIC RESPONSES OF <i>GALIUM VERUM</i> AND <i>HELICHRYSUM ITALICUM</i> TO OZONE EXPOSURE <u>Lucian COPOLOVICI</u> , Andreea LUPITU, Flavia BORTES, Maria COJOCARU- TOMA, Angelica OHINDOVSKI, Mihaela NARTEA, Cristian MOISA, Dana COPOLOVICI
11.	A GREENER ROUTE TO GRAPHENE OXIDE: MICROWAVE-ASSISTED SYNTHESIS FROM COFFEE WASTE (GREEN SYNTHESIS) VS. THE HUMMERS METHOD <u>Alexandru VIȘAN</u> , Roxana NICOLA, Ana-Maria LACRĂMĂ, Sorina ILIEȘ, Florica MANEA, Stefania Florina RUS, Elisabeta I. SZERB
12.	CONSERVATION IMPLICATIONS DUE TO CHEMICAL CHARACTERIZATION OF 20TH-CENTURY CELLULOSIC PAPER SUPPORTS IN THE STEFAN JÄGER COLLECTION AT THE MNART <u>Andreea FOANENE</u> , Filip Adrian PETCU, Daniela MĂNESCU, Mariana SUBA

13.	OPTIMIZATION AND MODELING OF TERNARY DYE ADSORPTION USING AN IRON OXIDE/CARBON NANOCOMPOSITE <u>Maria Andreea NISTOR</u> , Liliana HALIP, Simona Gabriela MUNTEAN
14.	MECHANOCHEMICAL FUNCTIONALIZATION OF CHITOSAN WITH METAL IONS USING PLANETARY BALL MILLING <u>Adriana POPA</u> , Aurelia VISA, Lavinia LUPA, Ionela FRINGU, Bianca MARANESCU, Anca FILIMON
15.	CHITOSAN-DERIVED INHIBITORS AS SUSTAINABLE AGENTS FOR METAL CORROSION PROTECTION <u>Anemona CORNEA</u> , Milica ȚARĂ-LUNGĂ-MIHALI, Adriana POPA, Nicoleta PLEȘU
16.	ELECTROCHEMICAL INVESTIGATION OF CHITOSAN AS A CORROSION INHIBITOR FOR IRON IN LACTIC ACID <u>Milica ȚARĂ-LUNGĂ-MIHALI</u> , Anemona Mariana CORNEA, Adriana POPA, Aurelia VIȘA Nicoleta PLEȘU
17.	SEQUENTIAL COLUMN ASSEMBLY OF ALGINATE-COPPER HYBRID MATERIALS USING ION-EXCHANGE RESINS <u>Marius-Mihai ZAHARIA</u> , Alina-Petronela MORARU, Florin BUCATARIU, Melinda-Maria BAZARGHIDEANU, Ana-Lavinia VASILIU, Marcela MIHAI
18.	SYNTHESIS OF pH-RESPONSIVE AMP-g-PAA COPOLYMER AND ITS APPLICATION IN THE GREEN FORMATION OF AuNPs Melinda-Maria BAZARGHIDEANU, <u>Larisa-Maria PETRILA</u> , Marius-Mihai ZAHARIA, Ana-Lavinia VASILIU, Stergios PISPAS, Marcela MIHAI
19.	SYNTHESIS AND CHARACTERIZATION OF PRIMARY-, SECONDARY-, AND TERTIARY-AMINE-FUNCTIONALIZED KIT-6 MESOPOROUS SILICA <u>Mariana SUBA</u> , Orsina VERDEȘ, Silvana BORCĂNESCU, Livia DEVESELEANU-CORICI, Cătălin IANAȘI
20.	SYNTHESIS AND CHARACTERIZATION OF MCM-48 AND MCM-41 MESOPOROUS MATERIALS <u>Silvana BORCĂNESCU</u> , Orsina VERDES , Mariana Suba
21.	IONIC LIQUIDS SYNTHESIS AND CHARACTERIZATION OF

	POROUS SILICA FOR ENHANCED HYDROGEN STORAGE <u>Ana-Maria LACRĂMĂ</u> , Carlo POSELLE BONAVENTURA, Raffaele G. AGOSTINO, Alfonso POLICICCHIO
22.	SYNTHESIS AND CHARACTERIZATION OF Cu SUPPORTED ON CeO₂ FOR CO₂ REDUCTION Emanuel A. NKOTYA, Mihaela M. TRANDAFIR, Iuliana M. CHIRICA, Anca G. MIREA, Alexandra C. IACOBAN, <u>Mihaela FLOREA</u>



POSTER SESSION 2	
1.	ETHINYLESTRADIOL IN THE PREFORMULATION SPOTLIGHT: PRELIMINARY DATA <u>Sebastian SIMU</u> , Yasmine BOUDALI, May ZIDI, Amalia RIDICHIE, Adriana LEDEȚI, Laura SBÂRCEA, Alina MOACĂ, Crinela-Mihaela ȘERBAN, Ionuț LEDEȚI
2.	SYNERGISTIC MODULATION OF AROMATIC POLYAMIDE BLENDS PROPERTIES FOR FLEXIBLE SUBSTRATE APPLICATIONS <u>Andra-Elena BEJAN</u> , Catalin-Paul CONSTANTIN, Irina BUTNARU, Mariana-Dana DAMACEANU, Radu-Dan RUSU
3.	POLYMERS OBTAINED BY ELECTROPOLYMERIZATION AS ELECTRODE MATERIALS FOR NIR ELECTROCHROMIC AND ENERGY STORAGE APPLICATIONS <u>Adriana-Petronela CHIRIAC</u> , Catalin-Paul CONSTANTIN, Mariana-Dana DAMACEANU
4.	NEW PYRIDINE HYDRAZIDE ISOMERS: SYNTHESIS, SUPRAMOLECULAR ARCHITECTURE, BIOLOGICAL AND PHOTOLUMINESCENT PROPERTIES <u>Olga DANILESCU</u> , Maria COCU, Ion BULHAC, Alexandru CIOCĂRLAN, Paulina BOUROS, Vlad GHENEA, Olga KULIKOVA, Nicoleta VORNICU, Yurii CHUMAKOV
5.	OPTICAL SENSOR FOR THE DETECTION/QUANTIFICATION OF COPPER

	Ionela FRINGU, Anca LASCU, Nicoleta PLESU
6.	ONE PORPHYRIN-MULTIPLE APPLICATIONS Anca LASCU, Ionela FRINGU, Nicoleta PLESU
7.	FROM TRIETHANOLAMMONIUM 4-NITROBENZOATE TO Ni(II) COORDINATION COMPOUNDS: SUPRAMOLECULAR ARCHITECTURES AND SOLID-STATE PHOTOLUMINESCENCE Manuela CRISAN, Anastasia GOROBET, Paulina BOUROSH, Anatolii SIMINEL, Lilia CROITOR, Marina FONARI, Victor KRAVTSOV
8.	HUMAN SKIN CELL CULTURE MODELS FOR COMPARATIVE EVALUATION OF NOVEL METAL-BASED ANTITUMOR COMPOUNDS Abedulkadir ABUDALLEH, Tanya ZHIVKOVA, Hristo HRISTOV, Lora DYAKOVA, Peter DORKOV, Juliana IVANOVA, Teodora MOCANU, Daniela-Cristina CULITA, Gabriela MARINESCU, Radostina ALEXANDROVA
9.	CELL CULTURE MODELS AND EXPERIMENTAL STRATEGIES FOR CYTOCOMPATIBILITY ASSESSMENT OF WOUND DRESSINGS AND SKIN CARE PRODUCTS Radostina ALEXANDROVA, Orlin ALEXANDROV, Eliya STOILOVA, Silvia MANCHEVA, Tanya ZHIVKOVA, Lora DYAKOVA, Abedulkadir ABUDALLEH, Hristo HRISTOV, Elena VASSILEVA, Erika ADOMAVIČIŪTĖ, Virginija JANKAUSKAITĖ, Ioana BALDEA, Monica NEAGU, Merve Erginer HASKOYLU
10.	MAPPING OF PHARMACOLOGICAL SPACE BY STRUCTURE-TARGET RELATIONSHIPS THROUGH LAYERED SOM FRAMEWORK Nicoleta STOIAN, Liliana HALIP
11.	QUANTITATIVE ANALYSIS OF ARISTOLOCHIC ACID I IN AN ACTIVATED CHARCOAL SOLUTION BY ULTRA-HIGH PRESSURE LIQUID CHROMATOGRAPHY COUPLED WITH DIODE ARRAY DETECTION Maria-Alexandra PRICOP, Camelia OPREAN, Alexandra T. LUKINICH-GRUIA, Alexandra IVAN, Virgil PĂUNESCU, Călin A. TATU

12.	COMPARATIVE INVESTIGATION OF SOLVOTHERMAL AND MECHANOCHEMICAL SYNTHESIS OF Co-BTC METAL ORGANIC FRAMEWORKS <u>Ramona FARKAS (UNGUREAN)</u> , Bianca MARANESCU, Aurelia VISA
13.	CONDUCTOMETRIC AND UV-VISIBLE STUDY OF METAL-ORGANIC FRAMEWORK DEGRADATION <u>Marcela IOSIVONI</u> , Nicoleta PLESU, Aurelia VISA
14.	VIRTUAL SCREENING AND COMPUTATIONAL DESIGN OF POTENTIAL ANTI-INFLAMMATORY BILIRUBIN-LIKE ANALOGUES <u>Lucia GRADINARU</u> , Alina BORA, Luminita CRISAN
15.	REPURPOSING OF AHAS-INHIBITING HERBICIDES AS ANTIFUNGAL AGENTS: STRATEGIES FOR OPTIMIZING ORAL BIOAVAILABILITY <u>Radu Daniel SĂVULESCU</u> , Ana BOROTA , Sorin AVRAM , Sorin Alin MARINESCU
16.	SYNTHESIS AND CHARACTERIZATION OF AN AMPHIPHILIC Zn(II) COMPLEX WITH A NEW PHENANTHROLINE-BASED LIGAND <u>Raluca DANCAR</u> , Evelyn POPA, Elisabeta I. SZERB, Adelina-Antonia ANDELESCU
17.	CAN FERRIC-OXYL EXCITED STATES EXPLAIN ELONGATED IRON-OXYGEN BONDS IN HEME PEROXIDASE CATALYTIC INTERMEDIATES? <u>Maria LEHENE</u> , Cezara ZAGREAN-TUZA, Adrian M.V. BRANZANIC, Radu SILAGHI-DUMITRESCU
18.	ADVANCED SPECTROSCOPIC STUDY OF PROTEIN BEHAVIOR AND PROTEIN-COMPOUND INTERACTIONS: A CASE STUDY ON SERUM ALBUMIN <u>Nicoleta ANDRIAN</u> , Radu SILAGHI-DUMITRESCU, Róbert TOTOS, Melinda KOVACS, Monica FOCȘAN
19.	DEVELOPING SYNTHETIC PEPTIDES FOR IMMUNOAFFINITY CHROMATOGRAPHY <u>Andrei BĂRBOI</u> , Alexandra CÂRLAN, Florentina PENA, Codruța POPESCU, Mihaela MATACHE, Adrian ȘALIC
20.	SOLID PHASE SYNTHESIS OF PEPTIDES FOR SELECTIVE

	PURIFICATION <u>Alexandra CÂRLAN</u> , Andrei BĂRBOI, Florentina PENA, Codruța POPESCU, Mihaela MATACHE, Augustin MĂDĂLAN, Adrian ȘALIC
21.	SYNTHESIS AND INVESTIGATION OF NOVEL NICKEL-BASED METAL ORGANIC FRAMEWORKS <u>Diandra M. GHEORGHE</u> , Anca G. MIREA, Iuliana M. CHIRICĂ, Augustin M. MĂDĂLAN, Codruța C. POPESCU, Mihaela MATACHE, Mihaela FLOREA, Dragoș M. CIUPARU
22.	SYNTHESIS AND CHARACTERIZATION OF A NI(II) SYSTEM BASED ON 2-CARBOXYETHYL(PHENYL)PHOSPHINIC ACID AND PIPERAZINE <u>Diana ANGHEL</u> , Vlad CHIRIAC, Gheorghe ILIA

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