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International Journal of
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The 17th Edition of the International Conference

NEW TRENDS IN CHEMISTRY RESEARCH

NOI TENDINȚE DE CERCETARE ÎN DOMENIUL CHIMIEI

PROGRAM

NewChemRes 20₂5

**September 24-26, 2025
Timișoara, România**

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ROMANIAN ACADEMY TIMIȘOARA BRANCH



“CORIOLAN DRĂGULESCU” INSTITUTE OF
CHEMISTRY

ROMANIAN CHEMICAL SOCIETY



POLITEHNICA UNIVERSITY OF
TIMIȘOARA

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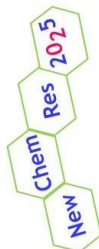
"Coriolan Drăgulescu" Institute of Chemistry

Synthetic Conference Program

Wednesday, September 24	
08 ⁰⁰ – 08 ³⁰	Registration
08 ³⁰ – 9 ⁰⁰	Opening session
9 ⁰⁰ – 9 ⁴⁰	PL1. Radu SILAGHI-DUMITRESCU
9 ⁴⁰ – 10 ²⁰	PL2. Alessandro PELLIS
10 ²⁰ – 10 ⁴⁰	OP1. Andrea PASQUALE
10 ⁴⁰ – 11 ⁰⁰	OP2. Lizeth M. MORENO PASCUAL
11 ⁰⁰ – 11 ³⁰	Coffee break
11 ³⁰ – 12 ¹⁰	PL3. Evamarie HEY-HAWKINS
12 ¹⁰ – 12 ⁵⁰	PL4. Robert VIANELLO
12 ⁵⁰ – 13 ¹⁰	OP3. Raluca POP
13 ¹⁰ – 13 ³⁰	OP4. Erika BALINT
13 ³⁰ – 14 ³⁰	Lunch break
14 ³⁰ – 14 ⁵⁰	OP5. Daniela BERGER
14 ⁵⁰ – 15 ¹⁰	OP6. Dana-Maria COPOLOVICI
15 ¹⁰ – 15 ³⁰	OP7. Radoslawa ALEXANDROVA
15 ³⁰ – 15 ³⁵	SC Laboratorium SRL
15 ³⁵ – 16 ³⁰	PL5. Livius COTARCA
16 ³⁰ – 16 ⁴⁰	Coffee break
16 ⁴⁰ – 17 ⁴⁰	Poster session 1
17 ⁴⁵ – 19 ³⁰	Timisoara City and RO-OPENSREEN Center Tour

Friday, September 26	
09 ⁰⁰ – 09 ⁴⁰	PL11. Athanasios SALIFOGLOU
09 ⁴⁰ – 10 ⁰⁰	OP16. Monica Florentina RADULY
10 ⁰⁰ – 10 ²⁰	OP17. Maria Jose CALANDRI
10 ²⁰ – 10 ⁴⁰	OP18. Dumitru-Claudiu SERGENTU
10 ⁴⁰ – 11 ⁰⁰	OP19. Robert I. BOTEA
11 ⁰⁰ – 11 ³⁰	Coffee break
11 ³⁰ – 11 ⁵⁰	OP20. Sevasti MATSIA
11 ⁵⁰ – 11 ⁵⁵	FP1. Maria KARTALI
11 ⁵⁵ – 12 ⁰⁰	FP2. Theodora MAISTRELLI
12 ⁰⁰ – 12 ⁰⁵	FP3. Andreea PETROVICI
12 ⁰⁵ – 12 ¹⁰	FP4. Anemona CORNEA
12 ¹⁰ – 12 ¹⁵	FP5. Maria MAISTRELLI
12 ¹⁵ – 12 ²⁰	FP6. Diana Ionela DĂESCU
12 ²⁰ – 12 ²⁵	FP7. Carlo POSELLE BONAVENTURA
12 ²⁵ – 12 ³⁰	Small Molecules Coffee Break
12 ³⁰ – 12 ⁴⁰	CONFERENCE AWARDS
12 ⁴⁰ – 13 ⁰⁰	Closing remarks and group photo pictures

-  PL – Plenary lectures (40 min, Q&A included)
 OP – Oral presentation (20 min, Q&A included)
 FP – Flash presentation (5 min, Q&A included)
 Posters – A0/A1 size, portrait orientation



Thursday, September 25	
08 ⁰⁰ – 09 ⁰⁰	Registration
09 ⁰⁰ – 09 ⁴⁰	PL6. Thomas Andreas JUNG
09 ⁴⁰ – 10 ²⁰	PL7. Simona NICA
10 ²⁰ – 10 ⁴⁰	OP8. Alfonso POLICICCHIO
10 ⁴⁰ – 11 ⁰⁰	OP9. Andra-Elena BEJAN
11 ⁰⁰ – 11 ³⁰	Coffee break
11 ³⁰ – 12 ¹⁰	PL8. Fabio ARICÒ
12 ¹⁰ – 12 ⁵⁰	PL9. Zoltán DUDÁS
12 ⁵⁰ – 13 ¹⁰	OP10. Beatriz CHÍCARO
13 ¹⁰ – 13 ³⁰	OP11. Davide DALLA TORRE
13 ³⁰ – 14 ³⁰	Lunch break
14 ³⁰ – 15 ¹⁰	PL10. Gary HIX
15 ¹⁰ – 15 ³⁰	OP12. Anamaria TODEA
15 ³⁰ – 15 ⁴⁰	OP13. Giacomo TRAPASSO
15 ⁴⁰ – 16 ¹⁵	OP14. Victoria MORA Altium International SRL
16 ¹⁰ – 16 ¹⁵	Special section
"Chemistry for a Sustainable Tomorrow - Romania Joins the Global Conversation" Project Code: IUPAC 2021-034-2-041	
16 ¹⁵ – 16 ³⁵	OP15. Aurelia VIŞA - IUPAC Project
16 ³⁵ – 16 ⁴⁰	Coffee break
16 ⁴⁰ – 17 ⁴⁰	Poster session 2
19 ³⁰ – 23 ³⁰	Conference dinner

Wednesday, September 24

08.00-08.50 - Registration of the participants

OPENING SESSION

08.50-09.00

Opening session

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

Acad. Dan DUBINĂ, President of Timisoara Branch - Romanian Academy

Chairmen: Dr. Liliana CSEH

09.00-09.40

PL1. Radu SILAGHI-DUMITRESCU

Department of Chemistry, Babes-Bolyai University, Cluj-Napoca, Romania

Case studies in bioinorganic coordination chemistry: interplay between electronic properties, dynamics, and biological relevance

09.40-10.20

PL2. Alessandro PELLIS

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

Sustainable strategies for the processing of platform molecules to polymeric materials

10.20-10.40

OPI. Andrea PASQUALE, Federico ACCIARETTI, Giacomo LOMBARDO, Laura CIPOLLA, Alessandro PELLIS

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

Chemo-enzymatic synthesis of novel macromolecular architectures by using bio-based functional monomers

10.40-11.00

OP2. Lizeth Marlen MORENO PASCUAL, Synthia NCHIEUDJEU, Omar Ginoble PANDOLI, Alessandro PELLIS

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

Valorization of bamboo biomass via chemo-enzymatic processes for sustainable products development

Coffee Break 11.00-11.30

Chairmen: Dr. Ramona CURPAN

11.30-12.10

PL3. Evamarie HEY-HAWKINS

Leipzig University, Institute of Bioanalytical Chemistry, Leipzig, Germany

Carborane-containing drugs: new keys for old locks

12.10-12.50

PL4. Robert VIANELLO

Laboratory for the Computational Design and Synthesis of Functional Materials, Ruđer Bošković Institute, Zagreb, Croatia

With a little help from computer-aided drug design: new antitumor agents as tubulin polymerization inhibitors

12.50-13.10

OP3. Raluca POP, Mihaiela ANDONI

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

Functionalized nanomaterials with antioxidant properties

13.10-13.30

OP4. Erika BÁLINT, János Máté OROSZ, Ádám GYÖNGYÖSSY, Viktória GERŐ

Budapest University of Technology and Economics, Faculty of Chemical Technology and Biotechnology, Department of Organic Chemistry and Technology, Budapest, Hungary

Flow chemical synthesis of biologically active compounds and active pharmaceutical ingredients

Lunch Break 13.30-14.30

Chairmen: Prof. Gary HIX

14.30-14.50

OP5. Daniela BERGER, Mihaela DEACONU, Alin G. GHEORGHE, Ana-Maria SECIU-GRAMA, Ana-Maria BREZOIU, Bogdan Ș. VASILE, Cristian MATEI

National University of Science and Technology "Politehnica" Bucharest, Faculty of Chemical Engineering and Biotechnologies, Romania

Nanoplatfroms based on metallic nanoparticles for biomedical applications

14.50-15.10

OP6. Dana-Maria COPOLOVICI, Cristian MOISA, Andreea GOSTĂVICEANU, Andreea LUPITU, Lucian COPOLOVICI

Aurel Vlaicu University of Arad, Institute for Interdisciplinary Research, Arad, Romania

Amphipathic peptides with biologic activities

15.10-15.30

OP7. Radostina ALEXANDROVA, Hristo HRISTOV, Tanya ZHIVKOVA, Abedulkadir ABUDALLEH, Lora DYAKOVA, Orlin ALEXANDROV, Ildiko BUTA, Daniela-Cristina CULITA, Gabriela MARINESCU

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

Targeted cancer therapy: challenges, success and hope

15.30-15.35

F1. Application Eng. Alexandru BERCUCI

SC LABORATORIUM SRL

Advanced solutions in materials science

15.35-16.20

PL5. Livius COTARCĂ

LC CONSULTING, 33100, Udine, Italy

Radu BACALOGLU – The man, the teacher, the chemical engineer – *in memoriam*

Coffee Break 16.20-16.40

16.40-17.40 POSTER SESSION 1

**17.45-19.30 Exploring Timișoara: City tour & RO-OPENSOURCE
Center visit**

First day closing session

Thursday, September 25

08.00-09.00 - Registration of the participants

SECOND DAY SESSION

Chairmen: Dr. Nicoleta PLEȘU

09.00-09.40

**PL6. Thomas JUNG, Paul SCHERRER, Aisha AHSAN, Lutz GADE,
Jonathan HILL**

Institut and University of Basel

Emergence of conformational diversity in supramolecular assembly at surfaces

09.40-10.20

PL7. Simona NICA

“C. D. Nenitzescu” Institute of Organic and Supramolecular Chemistry, Bucharest, Romania

Azulene-based architectures: from photoswitches and molecular cages to co-crystals and coordination polymers

10.20-10.40

**OP8. Alfonso POLICICCHIO, Carlo POSELLE BONAVENTURA,
Giuseppe CONTE, Giovanni DESIDERIO, Raffaele Giuseppe
AGOSTINO**

Physics Department, Università della Calabria, Rende, Italy

Biomass activated carbon as sustainable way for hydrogen storage

10.40-11.00

**OP9. Andra-Elena BEJAN, Catalin-Paul CONSTANTIN, Mariana-
Dana DAMACEANU**

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

High performance polyamides for energy storage smart windows

Coffee Break 11.00-11.30

Chairmen: Dr. Aurelia VIȘA

11.30-12.10

PL8. Fabio ARICÒ

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

Organic carbonates - green solvents and reagents for bio-based platform chemicals

12.10-12.50

PL9. Selay Sert ÇOK, Adél LEN, Zoltán DUDÁS

Budapest Neutron Centre, HUN-REN Centre for Energy Research, Budapest, Hungary

Silica adsorbent for environmental remediation-development, testing and future perspectives

12.50-13.10

OP10. Beatriz CHÍCHARO, Giacomo TRAPASSO, Sami FADLALLAH, Florent ALLAIS, Fabio ARICÒ

Ca'Foscari University of Venice, Faculty, Scientific Campus, Mestre (VE), Italy

Towards greener polymers: advancing the synthesis of furan-based materials from renewable resources

13.10-13.30

OP11. Davide DALLA TORRE, Giacomo TRAPASSO, Fabio ARICÒ

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

Continuous flow: a new approach to the etherification of bio-based furanic compounds

Lunch Break 13.30-14.30

Chairmen: Prof. Fabio ARICO

14.30-15.10

PL10. Gary B. HIX

Middlesex University, Hendon, London, UK

Metal Phosphonate Chemistry; from crystal curiosity to application

15.10-15.30

OP12. Alina R. BUZATU, Anamaria TODEA, Raluca O. POP, Francisc PETER, Carmen G. BOERIU

Politehnica University Timisoara, Faculty of Industrial Chemistry and Environmental Engineering, Biocatalysis Group, Timisoara, Romania;

R-NADES as green solvents for biocatalysis: improving lipases stability and selectivity

15.30-15.50

OP13. Giacomo TRAPASSO, Chaimaa SADRAOUI, Davide DALLA TORRE, Feriel ABID, Paula S. S. LACERDA, Andreia F. SOUSA, Fabio ARICÒ

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

Synthesis of 2,5-furandicarboxylic acid esters and their application in macrocycles formation

15.50-16.10

OP14. Victoria MORA, Bahne STECHMANN

EU-OPENSREEN ERIC, Campus Berlin Buch, Berlin, Germany

EU-OPENSREEN – an open access initiative to identify new biological activities of your compounds

16.10-16.15

F2. Elena APOSTU

Altium International SRL

Integrated biophysical and mass spectrometric approaches for protein characterization

Special section

**“Chemistry for a Sustainable Tomorrow - Romania Joins the
Global Conversation”,**

Project Code: IUPAC 2021-034-2-041

16.15-16.25

OP15. Aurelia VIȘA

“Coriolan Drăgulescu” Institute of Chemistry, Timisoara, Romania

Chemistry for a sustainable tomorrow - Romania joins the global conversation

Coffee Break 16.25-16.50

16.50-17.50 POSTER SESSION 2

19.30-23.30 Conference dinner

Second day closing session

Friday, September 26

THIRD DAY SESSION

Chairmen: Dr. Elisabeta SZERB

09.00-09.40

PL9. Athanasios SALIFOLOU

*Laboratory of Inorganic Chemistry and Advanced Materials, School of Chemical Engineering,
Aristotle University of Thessaloniki, Thessaloniki, Greece*

Boron structural speciation chemistry in the physiology and pathology of
Plants

09.40-10.00

**OP16. Monica Florentina RADULY, Valentin RADITOIU, Alina
RADITOIU, Iuliana RAUT, Cristian NICOLAE**

National Institute for Research & Development in Chemistry and Petrochemistry—ICECHIM,
Bucharest, Romania

Hybrid materials based on metal complexes with polyphenols from
taraxacum officinale for UV radiation shielding applications

10.00-10.20

OP17. Maria Jose CALANDRI, Barbara BENEDETTI, Léa CHARRIER, Con Robert MCELROY, Alessandro PELLIS

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

Synthesis of levoglucosenone-based amphiphilic molecules

10.20-10.40

OP18. Dumitru-Claudiu SERGENTU, Ionel HUMELNICU, Boris Le GUENNIC, Remi MAURICE

“Alexandru Ioan Cuza” University of Iași, Faculty of Chemistry, Iași, Romania

f-Orbital electronic structure: complete, *ab initio* derivation of crystal field parameters for the f^1 -configuration

10.40-11.00

OP19. Robert I. BOTEĂ, Augustin MĂDĂLAN

University of Bucharest, Faculty of Chemistry, Bucharest, Romania

Rational design of lanthanide and transition metal complexes with polydentate Schiff base ligands

Coffee Break 11.00-11.30

Chairmen: Dr. Liliana HALIP, Dr. Ildiko BUTĂ

11.30-11.50

OP20. Sevasti MATSIA, Georgios LAZOPOULOS, Athanasios SALIFOGLU

Laboratory of Inorganic Chemistry and Advanced Materials, School of Chemical Engineering, Aristotle University of Thessaloniki, Thessaloniki, Greece

Encapsulation of DNA in polymeric nanoparticles for targeted gene delivery

Flash presentation session

Chairmen: Dr. Liliana HALIP, Ildiko BUTĂ

11.50-11.55

FP1. Maria KARTALI, Sevasti MATSIA, Antonios HATZIDIMITRIOU, Athanasios SALIFOGLU

Laboratory of Inorganic Chemistry and Advanced Materials, School of Chemical Engineering, Aristotle University of Thessaloniki, Thessaloniki, Greece

Synthetic efforts exemplify structural speciation of biologically-relevant Zn(II)-amino acid zwitterionic species

11.55-12.00

FP2. Sevasti MATSIA, Theodora MAISTRELLI, Athanasios SALIFOGLU

Laboratory of Inorganic Chemistry and Advanced Materials, School of Chemical Engineering, Aristotle University of Thessaloniki, Thessaloniki, Greece

Derivatives of natural products with diamines providing enhanced anti-inflammatory and antibacterial properties

12.00-12.05

FP3. Andreea PETROVICI, Ioan BÎTCAN, Francisc PÉTER, Anamaria TODEA

Department of Applied Chemistry and Engineering of Organic and Natural Compounds, Faculty of Chemical Engineering, Biotechnologies and Environmental Protection, Politehnica University Timisoara, Vasile Pârvan 6, 300001 Timisoara, Romania

Green oxidation of glycerol to glyceric acid using immobilized Laccases on functionalized supports

12.05-12.10

FP4. Anemona CORNEA, Milica ȚARĂ-LUNGĂ-MIHAILI, Nicoleta PLEȘU

"Coriolan Drăgulescu" Institute of Chemistry, Timisoara Romania

PVC-based coordination polymer membranes for impedimetric detection of phenol

12.10-12.15

FP5. Maria MAISTRELLI, Sevasti MATSIA, Antonios HATZIDIMITRIOU, Athanasios SALIFOGLU

Laboratory of Inorganic Chemistry and Advanced Materials, School of Chemical Engineering, Aristotle University of Thessaloniki, Thessaloniki, Greece

New Ti(IV)-metal organic compounds with α -hydroxycarboxylic acids

12.15-12.20

FP6. Diana-Ionela DĂESCU, Giacomo DAMONTE, Orietta MONTICELLI, Francisc PETER, Anamaria TODEA, Alessandro PELLIS

Biocatalysis and Green Chemistry Group, Faculty of Chemical Engineering, Biotechnology and Environmental Protection, University Politehnica Timisoara, Timisoara, Romania

Mild and efficient polyester synthesis via calb-catalyzed polycondensation of 1,8-octanediol and various diesters

12.20-12.25

FP7. Carlo POSELLE BONAVENTURA, Oreste DE LUCA, Ana-Maria LACRĂMĂ, Giuseppe CONTE, Giovanni DESIDERIO, Tommaso CARUSO, Marco PAPAGNO, Raffaele G. AGOSTINO, Alfonso POLICICCHIO

Department of Physics, Università della Calabria, Rende (CS), Italy

Advanced synthesis and characterization of mesoporous silica using ionic liquids for enhanced hydrogen storage

Small-Molecules Coffee Break 12.25-12.40

12.40-13.00 – CONFERENCE AWARDS

CLOSING REMARKS AND GROUP PHOTO PICTURE

END OF CONFERENCE

POSTER SESSION

POSTER SESSION 1	
1.	ACETOLACTATE SYNTHASE - CASE STUDY FOR MODELLING HERBICIDE RESISTANCE <u>Ana BOROTA</u> , Liliana HALIP, Alina BORA, Ramona CURPAN, Sorin AVRAM, Radu SAVULESCU
2.	THE WATER ELECTROLYSIS ACTIVITY OF CARBON-BASED ELECTRODES MODIFIED WITH Co-DOPED YMnO₃ PEROVSKITE AND 5,10,15,20-TETRAKIS(4-METHOXYPHENYL)-21H,23H-PORPHIRINE Bogdan-Ovidiu TARANU, Paula SFIRLOAGA, <u>Marina Alexandra TUDORAN</u>
3.	EXPLORING MOLECULAR MECHANISMS OF XYLITOL IN SALIVARY STIMULATION <u>Ana-Cristiane DRAGOMIR</u> , Alina Ramona BUZATU, Andreea Anda ALEXA, Raluca POP, Anca-Ștefania BREBAN, Doru BUZATU, Livia DEVESELEANU-CORICI, Marilena MOTOC
4.	SUPRAMOLECULAR ORGANIZATION OF TWO 2,4-DIAMINO-6-PHENYL-1,3,5-TRIAZIN-1-IUM SALTS WITH FLUORO-CONTAINING ANIONS Victor AVDEEV, Marina S. FONARI, Pavlina BOUROSH
5.	ANTIOXIDANT AND ANTI-INFLAMMATORY ACTIVITY OF POLYPHENOLIC DERIVATIVES <u>Sevasti MATSIA</u> , Athanasios SALIFOLOU
6.	SYNTHESIS AND STRUCTURAL CHARACTERIZATION OF A THIOPHENE-DERIVED SCHIFF BASE COPPER(II) COMPLEX WITH POTENTIAL BIOLOGICAL ACTIVITY <u>Ildiko BUTĂ</u> , Sergiu SHOVA, Bogdan MARA, Liliana CSEH
7.	SUSTAINABLE VALORIZATION OF WHEY THROUGH ITS APPLICATION IN BAKERY PRODUCTS <u>Diana FLUERASU (BĂLȚATU)</u> , Christine NEAGU, Sylvestre DOSSA, Ersilia ALEXA
8.	SILIBININ LINOLEATE AS A NATURAL LIPOPHILIC

	ANTIOXIDANT FOR THE STABILIZATION OF EDIBLE VEGETABLE OILS IN FOOD INDUSTRY Cristina Adriana DEHELEAN, Mariana Atena POIANA, Ileana COCAN, Ersilia ALEXA
9.	EXPLORING THE STRUCTURAL DIFFERENCES IN THE JAK FAMILY TO IDENTIFY SELECTIVE CANDIDATES FOR JAK1 Nicoleta STOIAN, Liliana Halip
10.	CLOTRIMAZOLE DRUG LOADING AND RELEASE USING AS CARRIERS MERCAPTOPROPYL FUNCTIONALIZED MESOPOROUS SILICA Ana-Maria LACRĂMĂ, Roxana NICOLA , Diana-Oana RUSU, Daniela HAIDU
11.	MULTIFUNCTIONAL Zn(II) COORDINATION POLYMER: PHOTOLUMINESCENT, ANTIMICROBIAL AND ANTICANCER PROPERTIES Manuela CRISAN, Ion BULHAC, Lilia CROITOR, Paulina BOUROSH, Victor KRAVTSOV, Sergiu SHOVA, Marioara Nicoleta CARABA, Ion Valeriu CARABA, Roxana POPESCU, Daniela HAIDU, Olga KULIKOVA, Natalia COSTRIUCOVA, Oleg PETUHOV, Olga DANILESCU
12.	RAPID SYNTHETIZED UIO-66 BY MICROWAVE METHOD AND ITS APPLICATION AS H2 STORAGE MATERIAL Roxana NICOLA, Carmen CRETU, Carlo POSELLE BONAVENTURA, Giovanni DESIDERIO, Daniela COZZA, Raffaele G. AGOSTINO, Alfonso POLICICCHIO, Ana-Maria LACRAMA
13.	EXPLORING THE CHEMICAL PROPERTIES OF QUATERNARY PHOSPHONIUM SALTS Alexandru BUHAI, Aurelia VIȘA
14.	PHOTOCATALYTIC ACTIVITY OF A 1D COPPER(II) COORDINATION POLYMER FOR DYE DEGRADATION FROM SINGLE AND BINARY AQUEOUS SOLUTIONS Ildiko BUTA, Maria Andreea NISTOR, Simona Gabriela MUNTEAN
15.	ECO-FRIENDLY MATERIAL DEVELOPMENT FROM CAROB: SYNTHESIS AND STRUCTURAL CHARACTERIZATION Catalin IANASI, Paula SVERA, Mariana SUBA, Orsina VERDES

16.	SUSTAINABLE SYNTHESIS OF ZINC AND SILVER OXIDE NANOPARTICLES MEDIATED BY ISOFLAVONE PUERARIN: CHARACTERIZATION AND BIOLOGICAL ASSESSMENTS <u>Sergio LIGA</u>
17.	AND FURTHER INVESTIGATIONS IN OXIDATIVE TRANSFORMATIONS Róbert IVÁNYI, István PUSKÁS, Levente SZŐCS, <u>Erika BÁLINT</u>
18.	THE BIOLOGICAL RELEVANCE OF Pt(IV) PRODRUGS WITH SPECIFIC AXIAL LIGANDS Nicoleta ANDRIAN, Bianca STOEAN, Melinda-Eva GAL, Balazs BREM, Evamarie HEY-HAWKINS, Radu SILAGHI-DUMITRESCU
19.	SPECTROSCOPIC EVALUATION OF THE INTERACTION OF MYOGLOBIN WITH BIOMEDICAL RELEVANT COMPOUNDS Ioana-Alexandra MÂNZAT, Nicoleta ADRIAN, Cezara ZĂGREAN-TUZA, Radu SILAGHI-DUMITRESCU
20.	OXYGEN-CARRYING PROTEINS EMPLOYED IN BLOOD SUBSTITUTE CANDIDATES: DIFFERENCES IN INTERACTIONS WITH A MODEL ANTIOXIDANT MOLECULE <u>Maria LEHENE</u> , Jozsef SIMON, Cezara ZAGREAN-TUZA, Andreea AGHION, Bianca VASILE, Alexandru SONICA, Stefania IANCU, Radu SILAGHI-DUMITRESCU
21.	COMPUTATIONAL APPROACHES TO FIND POTENTIAL AGENTS USED IN TYPE II DIABETES <u>Daniela ISTRATE</u> , Sorin AVRAM
22.	3D BIOPRINTING SCAFFOLD DEVELOPMENT FOR ANTIBACTERIAL APPLICATIONS INVOLVING BIOINORGANIC COMPOUNDS Sevasti MATSIA, Abraham NIKOPOULOS, <u>Athanasios SALIFOLOU</u>

Special section

**“Chemistry for a Sustainable Tomorrow - Romania Joins
 the Global Conversation”,**

Project Code: IUPAC 2021-034-2-041

POSTER SESSION 2

1.	STYRENE-DIVINYLBENZENE COPOLYMER FUNCTIONALIZED WITH AMINO(4- HYDROXYPHENYL)ACETIC ACID GROUPS AND ITS POTENTIAL USE IN ENVIRONMENTAL REMEDIATION <u>Adriana POPA, Lavinia LUPA, Anca FILIMON, Aurelia VISA</u>
2.	COPOLYAZOMETHINES CONTAINING TRIPHENYLMETHAN AND THEIR OPTICAL ABSORBANCE CHANGES INDUCED BY NO₂ GAS <u>Andra-Elena BEJAN, Mariana-Dana DAMACEANU</u>
3.	PHENOL-SENSITIVE Mn-PORPHYRIN MEMBRANE-BASED POTENTIOMETRIC SENSOR <u>Ionela FRINGU, Camelia EPURAN, Ion FRATILESCU, Anca LASCU, Milica TARA-LUNGA-MIHAI, Anemona CORNEA, Nicoleta PLESU</u>
4.	AN ELECTROCHEMICAL STUDY OF METAL PHOSPHONATES BASED ON ZINC AND ETIDRONIC ACID AND FOSFONOACETIC ACID IN SALINE SOLUTION <u>Milica TARĂ-LUNGĂ-MIHAI, Anemona-Mariana CORNEA, Nicoleta PLEȘU</u>
5.	POTENTIAL ANTITUMOR ACTIVITY OF Cu(II) COMPLEXES WITH SCHIFF BASES IN HUMAN TUMOR CELLS <u>Abedulkadir ABUDALLEH, Tanya ZHIVKOVA, Hristo HRISTOV, Lora DYAKOVA, Daniela C. CULITA, Gabriela MARINESCU, Radostina ALEXANDROVA</u>
6.	ULVAN EXTRACTED FROM ULVA LACTUCA SEaweeds USED FOR GREEN SYNTHESIS OF Au NANOPARTICLES <u>Mihaela DEACONU, Miruna-Ioana SAVA, Daniela BERGER, <u>Cristian MATEI</u></u>

7.	MAGNESIUM-BASED METAL ORGANIC FRAMEWORKS SYNTHESIZED THROUGH ALTERNATIVE METHODS. SYNTHESIS AND CHARACTERIZATION <u>Marcela IOSIVONI, Aurelia VISA</u>
8.	SOL-GEL HYBRID FILMS CONTAINING BN-C NANOSTRUCTURES: DEPOSITION AND FUNCTIONAL CHARACTERIZATION <u>Monica Florentina RADULY, Valentin RADITOIU, Alina RADITOIU, Adriana FRONE, Cristian NICOLAE</u>
9.	AGRO-INDUSTRIAL WASTES AS PROMISING MATRICES FOR ENZYME IMMOBILIZATION: A SUSTAINABLE ALTERNATIVE FOR PRODUCING BIOACTIVE FLAVONOLS <u>Livia DEVESELEANU-CORICI, Ildiko BUTĂ, Alina-Ramona BUZATU, Laurentiu DEMETROVICI, Marcel LAZAROVICI, Diana POPA, Liliana CSEH</u>
10.	BI COMPUTING: INTERACTIVE B-FACTOR ANALYSIS FOR PROTEIN-LIGAND COMPLEXES IN COMPUTATIONAL CHEMISTRY <u>Liliana HALIP, Cristian NEANU, Sorin AVRAM</u>
11.	A COMPARATIVE ANALYSIS OF MOLECULAR PROPERTIES IN AGROCHEMICALS AND DRUGS <u>Sorin Alin MARINESCU, Sorin AVRAM, Radu SĂVULESCU</u>
12.	IMPROVING THE ACCESSIBILITY OF QUANTITATIVE ESTIMATE OF PESTICIDE-LIKENESS (QEP) SCORING THROUGH ALTERNATIVE METHODS FOR ESTIMATING THE PARTITION COEFFICIENT (logP) <u>Radu Daniel SAVULESCU, Sorin AVRAM, Sorin MARINESCU</u>
13.	PYTHON-BASED WORKFLOW FOR CLUSTERING AND SELECTING NATURAL COMPOUNDS USING SIMILARITY COEFFICIENTS <u>Lucia GRADINARU, Ciprian-Bogdan CHIRILA, Oana Sorina CHIRILA, Luminita CRISAN</u>
14.	STRUCTURALLY DESIGNED CHLORONITROBENZOIC DERIVATIVES AS PROMISING ANTIBACTERIAL AND ANTI-BIOFILM AGENTS

	Daniela HAIDU, Anastasia GOROBET, Marioara Nicoleta CARABA, Lilia CROITOR, Pavlina BOUROSH, Ion Valeriu CARABA and Manuela CRISAN
15.	INTERACTIONS OF SMALL MOLECULES WITH BLOOD PROTEINS Alexandru SONICA, Radu SILAGHI-DUMITRESCU
16.	A COMPARATIVE STUDY OF MCM-48 MEZOPOROUS MOLECULAR SIEVE OBTAINED BY DIFFERENT SYNTHESIS METHODS Silvana BORCĂNESCU, Orsina VERDEȘ, Mariana SUBA, Nicoleta Sorina NEMEȘ
17.	CUBIC MESOPOROUS SILICAS FOR CO₂ CAPTURE: STRUCTURE AND THERMAL BEHAVIOR Orsina VERDEȘ, Mariana SUBA, Silvana BORCĂNESCU, Cătălin IANAȘI
18.	SYNTHESIS AND CHARACTERIZATION OF FUNCTIONALIZED ME/KIT-6 TYPE MESOPOROUS SIEVES Mariana SUBA, Orsina VERDEȘ, Silvana BORCĂNESCU, Cătălin IANASI
19.	ENHANCING DOCKING ACCURACY: THE LIGAND B-FACTOR INDEX (LBI) AS A PREDICTIVE METRIC Cristian NEANU, Liliana HALIP, Sorin AVRAM
20.	A NOVEL CYCLODEXTRIN-BASED OXIDATIVE IMPURITY IN INDUSTRIAL MANUFACTURING AND FURTHER INVESTIGATIONS IN OXIDATIVE TRANSFORMATIONS Bettina RÁVAL, István KESE, Péter Soma SZAKÁLY, Dominika HERR, Róbert IVÁNYI, István PUSKÁS, Levente SZÓCS, Erika BÁLINT

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