



ROMANIAN ACADEMY
„CORIOLAN DRĂGULESCU” INSTITUTE OF CHEMISTRY

24 Mihai Viteazu Av., RO-300223,
Timișoara, Romania
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The 17th Edition of the Conference

NEW TRENDS IN CHEMISTRY RESEARCH

NOI TENDINȚE DE CERCETARE ÎN DOMENIUL CHIMIEI

PROGRAM

NewChemRes 20₂⁵

**September 24-26, 2025
TIMIȘOARA**

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Marius CRIȘAN, West University of Timișoara*

The 17th Edition of the International Conference

**NEW TRENDS IN CHEMISTRY
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NewChemRes 20₂5

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

ORGANIZERS

ROMANIAN ACADEMY TIMIȘOARA BRANCH



“CORIOLAN DRĂGULESCU” INSTITUTE OF
CHEMISTRY

ROMANIAN CHEMICAL SOCIETY



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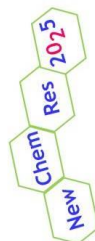
Dr. Ana-Maria LACRĂMĂ

"Coriolan Drăgulescu" Institute of Chemistry

Dr. Nicoleta PLEȘU

"Coriolan Drăgulescu" Institute of Chemistry

Synthetic Conference Program



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

Thursday, September 25	
08 ³⁰ – 09 ³⁰	Registration
09 ³⁰ – 09 ⁴⁰	PL6. Thomas Andreas JUNG
09 ⁴⁰ – 10 ³⁰	PL7. Simona NICA
10 ³⁰ – 10 ⁴⁰	OP8. Alfonso POLICICCHIO
10 ⁴⁰ – 11 ⁰⁰	OP9. Andra-Elena BEJAN
11 ⁰⁰ – 11 ³⁰	Coffee break
11 ³⁰ – 12 ⁰⁰	PL8. Fabio ARICÒ
12 ⁰⁰ – 12 ³⁰	PL9. Zoltán DUDÁS
12 ³⁰ – 13 ⁰⁰	OP10. Beatriz CHICARO
13 ⁰⁰ – 13 ³⁰	OP11. Davide DALLA TORRE
13 ³⁰ – 14 ³⁰	Lunch break
14 ³⁰ – 15 ⁰⁰	PL10. Gary HIX
15 ⁰⁰ – 15 ³⁰	OP12. Anamaria TODEA
15 ³⁰ – 15 ⁴⁰	OP13. Giacomo TRAPASSO
15 ⁴⁰ – 16 ¹⁰	OP14. Victoria MORA
16 ¹⁰ – 16 ¹⁵	Altium International SRL
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 - IUPAC Project
16 ³⁰ – 16 ⁵⁰	Coffee break
16 ⁵⁰ – 17 ³⁰	Poster session 2
19 ³⁰ – 23 ³⁰	Conference dinner

Friday, September 26	
09 ⁰⁰ – 09 ⁴⁰	PL11. Athanasios SALFOGLOU
09 ⁴⁰ – 10 ⁰⁰	OP16. Monica Florentina RADULY
10 ⁰⁰ – 10 ³⁰	OP17. Maria Jose CALANDRI
10 ³⁰ – 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 POSSELLE BONAVENTURA
12 ²⁵ – 12 ⁴⁰	Small Molecules Coffee Break
12 ⁴⁰ – 13 ⁰⁰	CONFERENCE AWARDS
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

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. Alex BERCUCI

SC LABORATORIUM SRL

Advanced analytical technologies for protein characterization

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-OPENSREEN
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 ADLALLAH, 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 SALIFOGLU

*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 f¹-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-MIHAI, 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 <u>Victor AVDEEV</u> , Marina S. FONARI, Pavlina BOUROSH
5.	ANTIOXIDANT AND ANTI-INFLAMMATORY ACTIVITY OF POLYPHENOLIC DERIVATIVES <u>Sevasti MATSIA</u> , Athanasios SALIFOGLU
6.	SYNTHESIS AND STRUCTURAL CHARACTERIZATION OF A THIOPHENE-DERIVED SCHIFF BASE COPPER(II) COMPLEX WITH POTENTIAL BIOLOGICAL ACTIVITY <u>Ildiko BUTA</u> , Sergiu SHOVA, Bogdan MARA, Liliana CSEH
7.	SUSTAINABLE VALORIZATION OF WHEY THROUGH ITS APPLICATION IN BAKERY PRODUCTS <u>Diana FLUERASU (BĂLTATU)</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 <u>Catalin IANASI</u> , 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.	THE BIOLOGICAL RELEVANCE OF Pt(IV) PRODRUGS WITH SPECIFIC AXIAL LIGANDS <u>Nicoleta ANDRIAN</u> , Bianca STOEAN, Melinda-Eva GAL, Balazs BREM, Evamarie HEY-HAWKINS, Radu SILAGHI-DUMITRESCU
18.	SPECTROSCOPIC EVALUATION OF THE INTERACTION OF MYOGLOBIN WITH BIOMEDICAL RELEVANT COMPOUNDS <u>Ioana-Alexandra MÂNZAT</u> , Nicoleta ADRIAN, Cezara ZĂGREAN-TUZA, Radu SILAGHI-DUMITRESCU
19.	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
20.	COMPUTATIONAL APPROACHES TO FIND POTENTIAL AGENTS USED IN TYPE II DIABETES <u>Daniela ISTRATE</u> , Sorin AVRAM
21.	3D BIOPRINTING SCAFFOLD DEVELOPMENT FOR ANTIBACTERIAL APPLICATIONS INVOLVING BIOINORGANIC COMPOUNDS <u>Sevasti MATSIA</u> , Abraham NIKOPOULOS, <u>Athanasios SALIFOGLU</u>
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Special section

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

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