



ROMANIAN ACADEMY
"CORIOLAN DRĂGULESCU" INSTITUTE OF CHEMISTRY
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The 16th Edition of the Conference

NEW TRENDS IN CHEMISTRY RESEARCH

NOI TENDINȚE DE CERCETARE ÎN DOMENIUL CHIMIEI

PROGRAM

NewChemRes 20₂4

**September 18-20, 2024
TIMIȘOARA**

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The 16th Edition of the International Conference

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**ROMANIAN ACADEMY – TIMIȘOARA
BRANCH**

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CHEMISTRY**

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Dr. Cristian NEANU	"Coriolan Drăgulescu" Institute of Chemistry

Wednesday, September 18

08.00-08.55 - Registration of the participants

OPENING SESSION

08.55-09.00

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

Chairmen: Dr. Liliana CSEH

09.00-09.40

PL1. Evamarie HEY-HAWKINS

Leipzig University, Faculty of Chemistry and Mineralogy, Institute of Bioanalytical Chemistry, Leipzig, Germany

Metal-based anticancer drugs for selective tumour-targeting

09.40-10.20

PL2. Radu SILAGHI-DUMITRESCU

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

Binding of biomedically relevant agents to hemoglobin and related proteins

10.20-10.40

OP1. Ramona CURPAN

"Coriolan Drăgulescu" Institute of Chemistry, Timisoara Romania

DRUGCENTRAL: an open-access database of approved drugs supporting drug discovery and repurposing

10.40-11.00

OP2. Davide CIRILLO, Wen-Ting LO, Marta DICEGLIE, Liudmila PEREPELITTCHENKO, Désirée STEIMER, Polina PROKOFEVA, Joel RÜEGGER, Kristina PULS, Theresa A. L. EHRET, Silke RADETZKI, Jens Peter VON KRIES, Gerhard WOLBER, Susanne MÜLLER, Mario VAN DER STELT, Stephanie WILHELM, Volker HAUCKE, Marc NAZARÉ

Leibniz-Forschungsinstitut für Molekulare Pharmakologie (FMP), Berlin, Germany

A torch to shed light on the dark kinome. The discovery of PI3K-C2B highly selective inhibitors

Coffee Break 11.00-11.30

Chairmen: Dr. Elisabeta SZERB

11.30-12.10

PL3. Gabriel DUNEȘ, Alpar PÖLLNITZ, Yann SARAZIN, Cristian SILVESTRU

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

Organometallic species of heavy pnictogen (antimony, bismuth)–C–H bond activation and reactivity. Recent results

12.10-12.30

OP3. Anca SILVESTRU

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

Organochalcogen compounds and their metal complexes. Synthesis, structure and potential applications

12.30-12.50

OP4. Selay SERT COK, Adél LEN, Zoltán DUDÁS

Neutron Spectroscopy Department, HUN-REN Centre for Energy Research, Budapest, Hungary; Chemical Engineering Department, Ege University, Izmir, Turkey

Hybrid silica adsorbents for capturing pharmaceutically active compounds from water

12.50-13.10

OP5. Dana-Maria COPOLOVICI, Cristian MOISA, Andreea LUPITU, Andreea GOSTĂVICEANU, Dorina CHAMBRE, Claudia MUREȘAN, Alina ZAMFIR, Lucian COPOLOVICI

„Aurel Vlaicu” University, Faculty of Food Engineering, Tourism, and Environmental Protection, Arad, Romania

Cell-penetrating peptides as antimicrobials

Lunch Break 13.10-14.30

Chairmen: Dr. Anamaria LACRĂMĂ

14.30-15.10

PL4. Mihaela POP, Coca IORDACHE

TeraCrystal, Cluj-Napoca, Romania

From form to function: new approach in structural characterization of pharmaceutical compounds

15.10-15.30

OP6. Maria POPESCU, Mihaela MATAACHE, Augustin MADALAN, Anamaria HANGANU, Anca PAUN, Ioana NICOLAU, Codruța POPESCU

University of Bucharest, Faculty of Chemistry, Department of Inorganic, Organic Chemistry, Biochemistry and Catalysis, Bucharest, Romania

New synthetic strategy for the synthesis of heterocyclic compounds mediated by hypervalent iodine agents

15.30-15.50

OP7. Francesca SCARPELLI, Alessandra CRISPINI, Raffaele DE ROSE, Matteo HIRSCH, Tiffany ABITBOL

Department of Chemistry and Chemical Technologies, Università della Calabria, Arcavacata di Rende, Italy

Ag(I) and Cu(II) coordination compounds as multifunctional additives for nanocellulose-based materials

15.50-16.05

F1. Robert BOTEA

SC LABORATORIUM SRL

Advanced solutions in materials science



Group photo pictures / Coffee Break 16.05-16.25

16.25-17.00 POSTER SESSION 1 (Odd numbers)

17.00-19.30 Timisoara City Tour and visit to the RO-OPENSREEN center

First day closing session

Thursday, September 19

08.00-09.00 - Registration of the participants

Second day session

Chairmen: Dr. Nicoleta PLESU

09.00-09.40

PL5. Delia-Laura POPESCU

University of Bucharest, Faculty of Chemistry, Department of Inorganic and Organic Chemistry, Biochemistry and Catalysis, Bucharest, Romania

Oxidovanadium compounds with biomedical applications

09.40-10.20

PL6. Adela DOBRE, Bogdan C. ENACHE, George COSTACHE, Nicoleta SANDU, Anamaria HANGANU, Codruța C. POPESCU, Anca PAUN, Ioana NICOLAU, Mihaela MATACHE

University of Bucharest, Faculty of Chemistry, Department of Inorganic, Organic Chemistry, Biochemistry and Catalysis, Research Centre of Applied Organic Chemistry, Bucharest, Romania;

Synthetic approaches of photo-sensitive azo-based switching probes

10.20-10.40

OP8. Zhen YIN, Guocheng ZHU, Yan WANG, Jiri MILITKY, Parpiev KHABIBULLA

Zhejiang Sci-Tech University, College of Textile Science and Engineering, Hangzhou, China

Preparation of Cu₂O microspheres and its application for structural color on polyester fabric

10.40-11.00

OP9. Bojana NEDIĆ VASILJEVIĆ

University of Belgrade-Faculty of Physical Chemistry, Belgrade, Serbia

How to match theory with an experiment - A key feature of understanding interphase

Coffee Break 11.00-11.30

Chairmen: Dr. Alina BORA

Special section

Metal organic networks: from green synthesis to environmentally friendly applications - Project code PN-III-P4-PCE-2021-0089

11.30-12.10

PL7. Erika BÁLINT

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

Green chemistry inspired synthesis of biologically active compounds: multicomponent reactions, microwave and flow chemistry

12.10-12.30

OP10. Aurelia VISA, Bianca MARANESCU, Marcela IOSIVONI, Nicoleta PLESU, Adriana POPA, Lavinia LUPA

“Coriolan Drăgulescu” Institute of Chemistry, Timisoara Romania

Green alternatives for the synthesis of metal–organic frameworks

12.30-12.50

OP11. Lavinia LUPA, Laura COCHECI, Nick Samuel TOLEA, Bianca MARANESCU, Aurelia VISA

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

Adsorption performance of ionic liquid functionalized Mofs in the removal process of organic pollutants from aqueous solutions

12.50-13.10

OP12. Nicoleta PLESU, Milica TARA LUNGA MIHALI, Bianca MARANESCU, Adriana POPA, Aurelia VISA

“Coriolan Drăgulescu” Institute of Chemistry, Timisoara Romania

Removal of phenol from metal organic framework impregnated with ionic liquid. Electrochemical assay

Lunch Break 13.10-14.30

Chairmen: Dr. Aurelia Visa

14.30-15.10

PL8. Fabio ARICÒ

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

New synthetic approach to a library of furanics from D-fructose

15.10-15.30

OP13. Anamaria TODEA, Monia RENZI, Emanuele CAROSATI, Lucia GARDOSI

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

Computational and applied biocatalysis for the sustainable synthesis of bio-based oligoesters

15.30-15.50

OP14. Federico ZAPPATERA, Tommaso FONDERICO, Domenico MEOLA, Francesco PRESINI, Lindomar Alberto LERIN, Pier Paolo GIOVANNINI

Department of Chemical, Pharmaceutical and Environmental Sciences, University of Ferrara, Ferrara, Italy

Cutting-edge molecular insights for sustainable synthesis of highly soluble prodrugs via targeted biocatalytic esterification

15.50-16.10

OP15. Anca LASCU

"Coriolan Drăgulescu" Institute of Chemistry, Timisoara Romania

Spectroscopic detection of drugs using metalloporphyrins as sensitive material - an overview

 [Group photo pictures / Coffee Break 16.05-16.25](#)

16.25-17.00 POSTER SESSION 2 (Even numbers)

17.00-19.00 Cocktail and socialization

Second day closing session

Friday, September 20

Chairmen: Dr. Ramona CURPAN

09.00-09.40

PL9. Athanasios SALIFOGLOU

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

Hybrid lanthanide-flavonoid chemistry in anticancer therapeutics

09.40-10.00

**OP16. Radostina ALEXANDROVA, Tanya ZHIVKOVA, Abedulkadir
ABUDALLEH, Lora DYAKOVA**

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

Cell models of skin in biomedicine: advantages, limitations and opportunities

10.00-10.20

**OP17. Mirela SARBU, Maria-Roxana BIRICIOIU, Raluca ICA, Željka
VUKELIĆ, David E. CLEMMER, Alina D. ZAMFIR**

*National Institute for Research and Development in Electrochemistry and Condensed Matter,
Timisoara, Romania*

Ion mobility tandem mass spectrometry: a novel method in glycolipidomics of human biopsies

10.20-10.40

**OP18. Emilia MILOS, Laura COCHECI, Adriana POPA, Anca
FILIMON, Lavinia LUPA**

*Faculty of Industrial Chemistry and Environmental Engineering, Politehnica University
Timisoara, Timisoara, Romania*

Mg₃Al-LDH/Ionic liquid/chitosan – hybrid materials for palladium recovery

10.40-11.00

**OP19. Elisabeta-Irina GEANĂ, Corina Teodora CIUCURE, Axenia
RADULESCU, Adelina CONSTANTIN, Oana Romina BOTORAN,
Roxana Elena IONETE**

*National Research and Development Institute for Cryogenics and Isotopic Technologies – ICSI
Ramnicu Valcea, Ramnicu Valcea, Romania*

Comparative pretreatment approaches for bioethanol production from agro-industrial by-products by simultaneous saccharification and fermentation (SSF)

Coffee Break 11.00-11.30

Flash presentation session

Chairmen: Dr. Ildiko BUTA

11.30-11.35

FP1. Yafeng GE, Yan WANG, Jiri MILITKY, Guocheng ZHU

Zhejiang Sci-Tech University, College of Textile Science and Engineering, Hangzhou, China

Fabrication of chitosan/polyvinyl alcohol/glycerol nanofibrous membrane and its performance

11.35-11.40

FP2. Plamen M. KIROV, Methody KARADJOV, Hristo K. HRISTOV, Radostina ALEXANDROVA

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

Comparative study of metal concentration determination in albumen of hen eggs originating from industrial poultry farms, backyard and free-range hens using ICP-OES technique

11.40-11.45

FP3. Violeta-Carolina NICULESCU, Diana Ionela POPESCU (STEGARUS)

National Research and Development Institute for Cryogenic and Isotopic Technologies - ICSI Ramnicu Valcea, Ramnicu Valcea, Romania

Research on the use of walnut shells-derived biochar for the adsorption of pesticides from aqueous media

11.45-11.50

FP4. Ioana-Cristina BENEĂ, Alessandro PELLIS, Francisc PÉTER

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

The synthesis of novel polyesteramides through biocatalytic methods from ϵ -caprolactam and hydroxy acids

11.50-11.55

FP5. Nicoleta STOIAN, Laura PITULICE, Liliana HALIP

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

Computational design of selective Jak1 inhibitors for psoriasis

11.55-12.00

FP6. Bogdan MARA, Liliana CSEH

"Coriolan Drăgulescu" Institute of Chemistry, Timisoara Romania

Synthesis and characterization of novel potential therapeutical compounds based on 5-bromo-2-thiophene carboxylic acid scaffold

12.00-12.30 – CONFERENCE AWARDS

12.30-13.00 – CLOSING REMARKS AND GROUP PHOTO PICTURE

END OF CONFERENCE

POSTER SESSION

1.	DETECTION OF LIDOCAINE BY OPTICAL METHOD USING AS SENSITIVE COMPOUND A Co(II)-AZAPORPHYRIN <u>Diana ANGHEL</u> , Anca LASCU, Ion FRATILESCU, Camelia EPURAN, Ionela FRINGU
2.	ION MOBILITY MASS SPECTROMETRY REVEALS THE HIGH COMPLEXITY OF ANENCEPHALY ASSOCIATED GLYCOSPHINGOLIPIDS <u>Maria-Roxana BIRICIOIU</u> , Mirela SARBU, Raluca ICA, Željka VUKELIĆ, David E. CLEMMER, Alina D. ZAMFIR
3.	PHYSICO-CHEMICAL PROPRIETIES OF POROUS SILICA SYNTHETIZED USING IONIC LIQUIDS FOR HYDROGEN STORAGE APPLICATION <u>Carlo Poselle BONAVENTURA</u> , Ana-Maria LACRĂMĂ, Giuseppe CONTE, Giovanni DESIDERIO, Raffaele G. AGOSTINO, Alfonso POLICICCHIO
4.	MCM48 MESOPOROUS MOLECULAR SIEVES: SYNTHESIS, CHARACTERIZATION AND CO₂ ADSORPTION-DESORPTION INVESTIGATIONS <u>Silvana BORCĂNESCU</u> , Alexandru POPA, Orsina VERDES, Mariana Suba
5.	MOLECULAR DYNAMICS STUDIES FOR MODELING AHAS – HERBICIDE BINDING PROCESS <u>Ana BOROTA</u> , Sorin AVRAM, Ramona CURPAN, Alina BORA, Liliana HALIP
6.	INFLUENCE OF THE HYDROGEN PEROXIDE PRESENCE ON THE PHOTODEGRADATION EFFICIENCY OF DYES USING COPPER(II) COORDINATION POLYMER <u>Ildiko BUTA</u> , Maria Andreea NISTOR, Simona Gabriela MUNTEAN
7.	THE USE OF CHROMATOGRAPHIC METHODS FOR MONITORING FERMENTATION PROCESSES WITH OBTAINING BIOFUELS <u>Corina Teodora CIUCURE</u> , Elisabeta-Irina GEANA, Axenia RADULESCU, Adelina CONSTANTIN, Oana Romina BOTORAN, Roxana Elena IONETE

8.	THE ROLE OF DIFFERENT STRESSORS IN ALTERING PLANT PHYSIOLOGY AND SECONDARY METABOLITES <u>Lucian COPOLOVICI</u> , Andreea LUPITU, Flavia BORTES, Cristian MOISA, Dana COPOLOVICI
9.	MACHINE LEARNING MODELS IN ANTIVIRAL INHIBITOR RESEARCH: A PRELIMINARY INVESTIGATION <u>Luminita CRISAN</u> , Ciprian-Bogdan CHIRILA, Oana Sorina CHIRILA
10.	MULTICOMPONENT ORGANIC CRYSTALS BASED ON THE BENZOIC ACIDS - ALKANOLAMINES SYSTEM <u>Manuela CRISAN</u> , Anastasia GOROBET, Lilia CROITOR, Anatolii V. SIMINEL, Paulina BOUROSH
11.	NOVEL LIQUID CRYSTALLINE DERIVATIVES CONTAINING FLUORENONE STRUCTURES <u>Livia DEVESELEANU-CORICI</u> , Daniela HAIDU, Angela Maria SPIRACHE, Milenca VORGA, Liliana CSEH
12.	OPTICAL QUANTIFICATION OF MUREXIDE USING A METALLOPORPHYRIN WITH MANGANESE AS A SENSITIVE MATERIAL Ion FRATILESCU, <u>Camelia EPURAN</u>
13.	SYNTHESIS OF TRIAZOLE HETEROCYCLIC INTERMEDIATES AND LIGANDS FOR "CLICK" CHEMISTRY <u>Andrada EREMIA</u> , Anamaria HANGANU, Ioana NICOLAU, Codruța POPESCU, Anca PĂUN, Mihaela MATACHE, Adrian ȘALIC
14.	FACILE SPECTROSCOPIC DETECTION OF PANTOPRAZOLE USING A COBALT-METALATED PORPHYRIN <u>Ionela FRINGU</u> , Camelia EPURAN, Diana ANGHEL, Ion FRATILESCU, Anca LASCU
15.	DESIGN, SYNTHESIS AND EVALUATION OF NOVEL MESO-PHENOTHIAZINYL PORPHYRIN AS PHOTOSENSITISER IN PHOTODYNAMIC THERAPY. Emese GAL, Balasz BREM, Bianca STOEAN, Monica FOCSAN, Eva FISCHER-FODOR, <u>Luiza Ioana GAINA</u>
16.	POLYPHENOLIC COMPOSITION OF GRAPE POMACE EXTRACTS OBTAINED BY SUPERCRITICAL FLUID AND MICROWAVE EXTRACTIONS: A COMPARATIVE STUDY <u>Elisabeta-Irina GEANĂ</u> , Corina Teodora CIUCURE, Petronela Anca ONACHE, Dorin Ioan SUMEDREA, Giorgiana CRISTEA, Catalin

	DUCU
17.	CRYSTALLOGRAPHY AND THERMAL BEHAVIOR OF TWO POLYMORPHS OF (E)-4-AMINO-N'-(1-(3-AMINOPHENYL)ETHYLIDENE)BENZOHYDRAZIDE Anastasia GOROBET
18.	ALTERNATIVE SYNTHESIS METHODS FOR MG-BASED METAL-ORGANIC FRAMEWORKS Marcela IOSIVONI, Aurelia VISA, Bianca MARANESCU
19.	A COMPREHENSIVE COMPUTATIONAL INVESTIGATION OF THE CHEMICAL DIVERSITY OF GLIPTINS Daniela ISTRATE, Luminița CRIȘAN
20.	PREDICTION OF THE BIOLOGICAL ACTIVITY OF THE MAIN COMPONENTS OF THE ESSENTIAL OIL AND HYDRODISTILLATE OF ARTEMISIA DRACUNCULUS Andrijana PUJICIC, Iuliana POPESCU, Bianca BOROS, David PETREUȘ, Daniela DASCĂLU, <u>Adriana ISVORAN</u>
21.	TRADITIONAL MEDICINE A SOURCE OF PROMISING SMALL MOLECULE COMPOUNDS OF NATURAL ORIGIN AGAINST CANCER AND COVID-19 Liliana PACUREANU
22.	TREATMENT OF WATER WITH NITRATE CONTENT BY MICROFILTRATION <u>Lavinia LUPA</u> , Laura Cocheci, Petru NEGREA, Adina Maria DOBOS, Anca FILIMON
23.	QUATERNIZED POLYSULFONES/CELLULOSE ACETATE PHTHALATE/ POLYVINYLIDENE FLUORIDE ELECTROSPUN MEMBRANES: AN APPROACH TOWARDS BIOACTIVE MATERIALS FOR BIOMEDICAL APPLICATIONS Anca FILIMON, Diana SERBEZEANU, Dragos PEPTANARIU, Oana DUMBRAVA, Vera BALAN, <u>Emilia MILOȘ</u> , Lavinia LUPA
24.	EFFICIENT REMOVAL OF ANIONIC AND CATIONIC DYES FROM AQUEOUS SOLUTIONS USING MAGNETIC NANOCOMPOSITE <u>Simona Gabriela MUNTEAN</u> , Maria Andreea NISTOR
25.	BFI IN KINASES: A PUBLIC RESOURCE FOR DOCKING

	REFINEMENT Cristian NEANU
26.	RAPID MICROWAVE SYNTHESIS OF UIO-66 METAL-ORGANIC FRAMEWORKS <u>Roxana NICOLA</u> , Carmen CRETU, Carlo POSELLE BONAVENTURA, Giovanni DESIDERIO, Daniela COZZA, Raffaele G. AGOSTINO, Alfonso POLICICCHIO, Ana-Maria LACRAMA
27.	OPTIMIZATION OF THE ADSORPTION PROCESS OF RHODAMINE 6G FROM AQUEOUS SOLUTION USING MAGNETIC NANOCOMPOSITE <u>Maria Andreea NISTOR</u> , Simona Gabriela MUNTEAN, Liliana HALIP
28.	THE POLYMER SUPPORTS OF ACRYLONITRILE-DIVINYLBENZENE TYPE: THEIR CHEMICAL MODIFICATION WITH AMINOPHOSPHONATE GROUPS AND PRELIMINARY ANTIBACTERIAL TESTING Ileana NICHITA, Lavinia LUPA, Aurelia VISA, Ecaterina-Stela DRAGAN, Maria Valentina DINU, <u>Adriana POPA</u>
29.	STRUCTURAL AND PHOTOPHYSICAL STUDIES OF AN AMPHITROPIC METALLOMESOGEN BASED ON Zn(II) COORDINATION COMPLEX <u>Evelyn POPA</u> , Carmen CRETU, Elisabeta I. SZERB, Adelina A. ANDELESCU
30.	PESTICIDE RESIDUES IN GARLIC, LETTUCE AND ONION COMMERCIALIZED IN ROMANIA - A THREAT TO PUBLIC HEALTH? <u>Diana Ionela POPESCU (STEGARUS)</u> , Violeta-Carolina NICULESCU, Corina OPRITA (CIOARA)
31.	ANTIOXIDANT POTENTIAL OF ARISTOLOCHIA CLEMATITIS EXTRACTS WITH FOUR DIFFERENT SOLVENT SYSTEMS <u>Maria-Alexandra PRICOP</u> , Alexandra T. LUKINICH-GRUIA, Alina G. SIMINA, Călin A. TATU, Virgil PĂUNESCU
32.	NOVEL HALO-TAG PROBES FOR CELLULAR IMAGING APPLICATIONS <u>Teodora PURICE</u> , Adela DOBRE, Anamaria HANGANU, Codruța POPESCU, Mihaela MATACHE, Adrian ȘALIC
33.	COLOUR DETERMINATION USING CIELab COLOUR SPACE

	OF ACID FAST VIOLET RR DYE <u>Maria Elena RĂDULESCU-GRAD</u> , Simona POPA, Giannin MOȘOARCĂ
34.	SYNTHESIS AND PHYSICO-CHEMICAL CHARACTERIZATION OF THE FIRST BINUCLEAR V(III,IV)-CITRATE COMPLEX Anastasios PAPAPOPOULOS, Sevasti MATSIA, <u>Athanasios SALIFOGLU</u>
35.	HYBRID PEROXIDO-VANADODRUGS AGAINST HEPATOCELLULAR CARCINOMA <u>Georgios LAZOPOULOS</u> , Sevasti MATSIA, Efrosini KIOSEOGLOU, Athanasios SALIFOGLU
36.	SYNTHESIS OF AMINO AZIDES AS BUILDING BLOCKS FOR “CLICK”-BASED CELLULAR IMAGING PROBES <u>Nicoleta SANDU</u> , Mihaela D. MUȘETESCU, Anamaria HANGANU, Codruța C. POPESCU, Mihaela MATAACHE, Adrian ȘALIC
37.	STRUCTURAL ANALYSIS OF GANGLIOSIDES ASSOCIATED TO KNOCKOUT TLR2D GENE Raluca ICĂ, <u>Mirela SÂRBU</u> , Kristina MLINAC-JERKOVIĆ, Svjetlana KALANJ-BOGNAR, Alina D. ZAMFIR
38.	THE IMPACT OF TEMPERATURE ON CO₂ ADSORPTION ON AMINE FUNCTIONALIZED KIT-6 ADSORBENTS <u>Mariana SUBA</u> , Orsina VERDEȘ, Silvana BORCĂNESCU, Alexandru POPA
39.	AN ELECTROCHEMICAL IMPEDANCE SPECTROSCOPY STUDY OF METAL PHOSPHONATES BASED ON COBALT AND ZINC AND ETIDRONIC ACID IN SALINE SOLUTION <u>Milica TARA LUNGA MIHALI</u> , Bianca MARANESCU, Aurelia VISA, Nicoleta PLESU
40.	MULTIDISCIPLINARY APPROACH IN ELECTROCHEMICAL STUDIES. II. COMPUTATIONAL AND EXPERIMENTAL CHARACTERIZATION OF NICKEL OXYHYDROXIDE <u>Marina Alexandra TUDORAN</u> , Ioan TARANU, Bogdan-Ovidiu TARANU
41.	Ni-DOPED HETEROPOLY COMPOUNDS FOR THE ETHANOL DEHYDRATION TO ETHYLENE <u>Orsina VERDEȘ</u> , Mariana SUBA, Silvana BORCĂNESCU, Alexandru

	POPA
42.	MISCIBILITY STUDIES OF FUNCTIONALIZED CARBON DOTS WITH CU(II) BASED METALLOMESOGEN <u>Alexandru VIȘAN</u> , Carmen CREȚU, Mariana SUBA, Elisabeta I. SZERB, Roxana NICOLA, Ana-Maria LACRĂMĂ
43.	RESEARCH ON THE USE OF WALNUT SHELLS-DERIVED BIOCHAR FOR THE ADSORPTION OF PESTICIDES FROM AQUEOUS MEDIA <u>Violeta-Carolina NICULESCU</u> , Diana Ionela POPESCU (STEGARUS)
44.	SYNTHESIS AND CHARACTERIZATION OF NOVEL POTENTIAL THERAPEUTICAL COMPOUNDS BASED ON 5-BROMO-2-THIOPHENE CARBOXYLIC ACID SCAFFOLD <u>Bogdan MARA</u> , Liliana CSEH

We would like to acknowledge all the authors who contribute to the success of the NewChemRes2024 Conference!