

**The 15th Edition of the Conference with
International Participation**

**NEW TRENDS IN CHEMISTRY
RESEARCH**

**PROGRAM OF THE
CHEMISTRY
CONFERENCE**

**September 21-22, 2023
Timișoara, România**

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BRANCH**

**“CORIOLAN DRĂGULESCU” INSTITUTE OF
CHEMISTRY**

**ROMANIAN CHEMICAL SOCIETY –
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The 18th Edition of the Timișoara Academic Days

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Thursday, 21 September 2023

OPENING SESSION

09.00-09.10

Dr. Otilia COSTISOR, Chairman of the Organizing Committee, Director of the "Coriolan Drăgulescu" Institute of Chemistry

Chairmen: Dr. Otilia COSTISOR, Prof. Dr. Francisc PÉTER

09.10-09.40

PL1. Alexandru SAVA, Ahmad BEN KIRAN, Raffaele FONTANA, Sabina VIERIU, Levente KISS, Cristian SILVESTRU

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

Main group organometallics as metalloligands for transition metals - discrete heterometallic species, coordination polymers and supramolecular architectures

09.40-10.10

PL2. Radu SILAGHI-DUMITRESCU

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

Small molecule activation at biological metal-macrocycle complexes: contrasts between heme and vitamin B12

10.10-10.30

L1. Jorge PAROLA

NOVA University of Lisbon, School of Science and Technology, Department of Chemistry, Lisbon, Portugal

Supramolecular photoswitching systems

10.30-10.45

OP1. Radu HOGAS

CARL ZEISS INSTRUMENTS SRL

Cell discoverer 7 cu modulul Airyscan

10.45-11.00

OP2. Simone BARTUCCI, Carlo Poselle BONAVENTURA, Ludovica PACE, Giuseppe CONTE, Giovanni DESIDERIO, Svetlana MINTOVA, Raffaele Giuseppe AGOSTINO, Alfonso POLICICCHIO

Università della Calabria, Physics Department, Italy

Peach pit derived activated carbons: effect of raw material form and synthesis parameters on porosity features and h₂ adsorption capacity

11.00-11.15

OP3. Ioana A. DUCEAC, Gabriela BILIUTA, Sergiu COSERI

"Petru Poni" Institute of Macromolecular Chemistry, Iasi, Romania

Hydrogel systems for biomedical applications: Different approaches in schiff base dynamic bonds

[Coffee Break 11.15-11.30](#)

Chairmen: Dr. Aurelia VISA, Dr. Yann SARAZIN

11.30-12.00

PL3. Konstantinos PAPATHANASIOU, Gary B. HIX

University of Wolverhampton, School of Sciences, United Kingdom

Metal phosphonate inclusion compounds: exploring the viability of the 'bottle around the ship' approach to inclusion of nanoparticles in metal phosphonates

12.00-12.30

PL4. Sergio RIVA

Institute of Chemical Sciences and Technologies "Giulio Natta" (SCITEC), Milano, Italy

Laccases: Blue enzymes for green chemistry

12.30-12.50

L2. Hussein O. BADR, Varun NATU, Florentina NEAȚU, Andrei KUNCSEK, Arpad M. ROSTAS, Matthew RACEY, Michel W. BARSOUM, Mihaela FLOREA, Stefan NEATU

National Institute of Materials Physics, Bucharest - Magurele, Romania

1D-nanofilaments TiO₂-based lepidocrocite for photocatalytic hydrogen production through water splitting

12.50-13.05

OP4. Delia FUCIU, Catălina BAROȘ (IACOB)

VERDER Romania

Enabling progress in advanced materials research: Verder scientific's innovative solutions

Lunch Break 13.05-14.05

Chairmen: Dr. Elisabeta I. SZERB, Prof. Gary HIX

14.05-14.35

PL5. Athanasios SALIFOGLOU

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

The chemistry and biology of an early transition metal ion inducing cell differentiation and maturation in diabetes mellitus II

14.35-15.05

PL6. Fabio ARICO

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

Bio-based platform chemicals upgrading via dialkyl carbonate chemistry

15.05-15.25

L3. Dana-Maria COPOLOVICI, Andreea GOSTĂVICEANU, Dana Gina RADU, Cristian MOISA, Andreea LUPITU, Simona GAVRILAȘ, Dorina CHAMBRE, Claudia MUREȘAN, Alina ZAMFIR, Lucian COPOLOVICI

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

Antimicrobial peptides and their potential in biomedical application

15.25-15.45

L4. Radostina ALEXANDROVA, Tanya ZHIVKOVA, Abdulkadir ABUDALLEH, Lora DYAKOVA, Daniela-Cristina CULITA, Gabriela MARINESCU, Ildiko BUTA, Otilia COSTISOR

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

Challenges in the development of antiviral agents

15.45-16.00

OP5. Alin MOGOS

ALTIUM INTERNATIONAL SRL

Scientific innovation in microplastics – Agilent solutions for a challenging analysis

Coffee Break 16.00-16.15

Chairmen: Dr. Simona G. MUNTEAN, Prof. Florica MANEA

16.15-16.45

PL7. Iuliana M. CHIRICA, Stefan NEATU, Anca G. MIREA, Andrei KUNCSEK, Mihaela M. TRANDAFIR, Mihaela FLOREA, Florentina NEATU

National Institute of Material Physics (NIMP), Bucharest - Magurele, Romania

Max phase and mxene a new trend in catalysis

16.45-17.05

L5. Maja MILOJEVIĆ RAKIĆ

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

How can zeolites close the loop of environmental remediation techniques?

17.05-17.25

OP6. Sergiu PORUMBOIU

NITECH SRL

Presentation of organic analyzer devices from Elementar company

17.25-17.40

OP7. Diana Larisa ROMAN, Bianca Vanesa BOROS, Mariana Adina MATICA, Daniela DASCĂLU, Nicoleta CARABĂ, Adriana ISVORAN

West University of Timisoara, Romania

Evaluation of the effects of some pesticides on humans and environment

17.40-19.00 POSTER SESSION

19.30 Conference Dinner

First day closing session

Friday 22 September 2023

Special section

"EU-OPENSREEN ERIC - EU-OPENSREEN DRIVE - RO-OPENSREEN - objectives, implementation and achievements"

Chairmen: Dr. Ramona CURPAN, Prof. Adriana ISVORAN

09.00-09.15

OP8. Victoria MORA, Bahne STECHNANN, Robert HARMEL

EU-OPENSREEN ERIC, Berlin, Germany

Identify new biological activities of your compounds (EU-OPENSREEN ERIC)

09.15-09.30

OP9. Liliana PACUREANU

"Coriolan Drăgulescu" Institute of Chemistry, Timisoara Romania

EU-OPENSREEN drive - romanian partner activities and a short history of EU-OPENSREEN in Romania

09.30-09.45

OP10. Liliana CSEH, Manuela CRIȘAN, Alina BORA

"Coriolan Drăgulescu" Institute of Chemistry, Timisoara Romania

ICT - Interdisciplinary Center for Smart Specialization in Chemical Biology (RO-OPENSREEN)

09.45-10.00

OP11. Karol WYSZOMIRSKI

MEDIST Life Science SRL

Acoustic liquid transfer and workflow automation

10.00-10.20

L6. Sorin TUNARU

Institute of Biochemistry, Bucharest, Romania

G-protein coupled receptors as therapeutic targets: a bridge not too far between chemistry and biology

10.20-10.40

L7. Ion Costin POPESCU

Institute of Biochemistry, Bucharest, Romania

Chemical biology tools for hepatitis C virus research

10.40-10.55

OP12. Oana ZAHARIA

Pro Analysis System

Supplying excellence in research laboratories for a better, healthier world

10.55-11.10

OP13. Aurelia STINGACI, Pantelimon ZAVTONY, Violeta GONCHARUK, Maria LISOUSKAYA

Institute of Genetics, Physiology and Plant Protection of The State University of Moldova, Chisinau, Republic of Moldova

Sustainable biocontrol of biological agents on apple and potato at high temperatures

Coffee Break 11.10-11.25

Chairmen: Dr. Liliana CSEH, Prof. Jorge PAROLA

11.25-11.55

PL8. Yann SARAZIN

Université de Rennes, Institut des Sciences Chimiques de Rennes (ISCR), Rennes, France

"S- and P-block wonders: a tale of off beat main group metal complexes"

11.55-12.25

PL9. Victor Valentin JERCA

Smart Organic Materials Group, "Costin D. Nenitzescu" Institute of Organic and Supramolecular Chemistry, Romanian Academy, Bucharest, Romania

Responsive soft materials for advanced applications

12.25-12.45

L8. Adela DOBRE, Bogdan C. ENACHE, Nicoleta SANDU, Anamaria HANGANU, Codruța C. POPESCU, Anca PĂUN, Ioana NICOLAU, Mihaela MATACHE

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

Exploring (hetero)aryllazo chemical space from synthesis to applications

12.45-13.00

OP14. Maria Angela SPIRACHE, César António Tonicha LAIA, Philippe MARREC, António Jorge Dias PAROLA

NOVA University of Lisbon, Faculty of Science and Technology, Caparica, Portugal

Reversible thermochromic smart labels based on encapsulated flavylum leuco dyes

13.00-13.15

OP15. Stefan DIMITRIU, Marius ANDRUH

University of Bucharest, "C. D. Nenitescu" Institute of Organic and Supramolecular Chemistry, Romania

Functionalization of 5-bromosalicylaldehyde as Mannich, Schiff-base, and nitronyl-nitroxide ligands and their complexes

Lunch Break 13.15-14.15

Chairmen: Dr. Ana-Maria PUTZ, Dr. Manuela CRISAN

14.15-14.45

PL10. Zoltán BALOGH, Adél LEN, József KALMÁR, Zoltán DUDÁS

Neutron Spectroscopy Department, Centre for Energy Research, Budapest, Hungary

Ca(II) containing hybrid borosilicate aerogels for bone regeneration

14.45-15.05

L9. Mihai RĂDUCĂ, David HUNGER, Sergiu SHOVA, Marius ANDRUH

Faculty of Chemistry, University of Bucharest and „C. D. Nenitescu” Institute of Organic and Supramolecular Chemistry, Bucharest, Romania

When a nitronyl nitroxide ligand meets amines to form Schiff bases. Ligands design and their complexes with 3d and 4f metal ions

15.05-15.20

OP16. Alberto TREVISAN, Ana Sofia FERREIRA, Philippe MARREC, A. Jorge PAROLA, Nuno BASÍLIO

Universidade NOVA de Lisboa, Faculdade de Ciências e Tecnologia, Portugal

Tuning the sign and magnitude of complexation-induced pK_a shift in cucurbit[7]uril host-guest complexes by molecular engineering

15.20-15.35

OP17. Emilian GHIBU, Dumitru Mircea VULUGA, Victor Valentin JERCA, Florica Adriana JERCA

Smart Organic Materials Group, "Costin D. Nenitzescu" Institute of Organic and Supramolecular Chemistry, Romanian Academy, Bucharest

Hydrogels with tunable degradability based on poly(2- isopropenyl-2-oxazoline) for drug delivery applications

15.35 -15.50

OP18. Mihai-Alexandru MOLENTA, Florica Adriana JERCA, Victor Valentin JERCA

Smart Organic Materials Group, "Costin D. Nenitzescu" Institute of Organic and Supramolecular Chemistry, Romanian Academy, Bucharest

Diversity oriented synthesis of functional monomers starting from 2-isopropenyl-2-oxazoline

Coffee Break 15.50-16.05

Chairmen: Dr. Nicoleta PLEȘU, Dr. Liliana HALIP

16.05-16.35

PL11. Mirela SARBU, Raluca ICA, Alina D. ZAMFIR

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

Development of ion mobility mass spectrometry for the analysis of chondroitin/dermatan sulfate glycosaminoglycans

16.35-16.50

OP19. Cătălin DUDUIANU, Raluca STAN, Alina NICOLESCU, Calin DELEANU

"Costin D. Nenitzescu" Institute of Organic and Supramolecular Chemistry, Romanian Academy, Bucharest, Romania

Metabolic profile during tomato juice degradation

16.50-17.05

OP20. Mara-Anastasia ISVORANU, Cătălin DUDUIANU, Alina NICOLESCU, Calin DELEANU

"Costin D. Nenitzescu" Institute of Organic and Supramolecular Chemistry, Romanian Academy, Bucharest, Romania

Body clearance of a magnesium supplement followed by NMR metabolomics

17.05-17.20

OP21.

LABORSISTEM SRL

Flash presentation session

17.20-17.25

FP1. Lora DYAKOVA, Tanya ZHIVKOVA, Abdulkadir ABUDALLEH, Daniela-Cristina CULITA, Gabriela MARINESCU, Teodora MOCANU, Radostina ALEXANDROVA

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

Potential antitumor activity of Zn(II)/Au(I) complexes with Schiff bases in glioblastoma multiforme cells

17.25-17.30

FP2. Simona Ioana VICAS, Simona CAVALU, Anca HERMENEAN

University of Oradea, Faculty of Environmental Sciences, Oradea, Romania

Green synthesis of nanoselenium particles as a functional products against in vitro and in vivo cadmium toxicity

17.30-17.35

FP3. Gamze OZCAKIR

Bilecik Seyh Edebali University, Bilecik, Turkiye

Life cycle assesment for bioethanol production from microalgae

17.35-17.40

FP4. Alexandra-Loredana ALMASAN, Corina DUDA SEIMAN, Edward SECLAMAN

„Victor Babes” University of Medicine and Pharmacy Timisoara

Computational structural biochemistry study of benzodiazepines

17.40-17.45

FP5. Diana SIMILIE, Brigitta KIS, Larisa BORA, Elena-Alina MOACĂ, Delia MUNTEAN, Ioana Zinuca MAGYARI-PAVEL, Corina DANCIU

University of Medicine and Pharmacy "Victor Babes", Department of Pharmacognosy, Faculty of Pharmacy, Timisoara, Romania

Antimicrobial activity and in vitro antiproliferative potential of green synthesized silver nanoparticles using populi gemmae extract

17.45-17.50

FP6. Bianca-Vanesa BOROS, Diana-Larisa ROMAN, Adriana ISVORAN

West University of Timisoara, Department of Biology-Chemistry and Advanced Environmental Research Laboratories, Romania

Effects of triazole fungicides on common duckweed glutathione peroxidase, glutathione transferase and atp-synthase. A molecular docking approach

17.50-17.55

FP7. Maria-Alexandra PRICOP, Alexandra T. LUKINICH-GRUIA, Flavia A.E. SZEKELY, Alexandra L. ALMĂȘAN, Crenguța L. CALMA, Călin A. TATU, Virgil PĂUNESCU

Spitalului Clinic Județean de Urgență "Pius Brînzei" - ONCOGEN, Timișoara, Romania

A preliminary study on fatty acid methyl esters composition in mitochondria homogenates of rat organs

18.10 – CONFERENCE AWARDS

END OF CONFERENCE

POSTER SESSION

1.	BIOHYBRID POLY(2-ISOPROPRENYL-2-OXAZOLINE)-GELATINE NANOFIBERS FOR WOUND HEALING APPLICATIONS <u>Florica Adriana JERCA</u> , Elena OLĂREȚ, Isabela STANCU, Victor Valentin JERCA
2.	MULTIDISCIPLINARY APPROACH IN ELECTROCHEMICAL STUDIES. I. REGRESSION ANALYSIS IN DETERMINING THE STANDARD ELECTRODE POTENTIAL <u>Marina Alexandra TUDORAN</u> , Ioan ȚĂRANU
3.	IN SILICO MODELING OF AHAS (WILD TYPE/MUTANT) HERBICIDE-ENZYME INTERACTIONS IN WEEDS <u>Ana BOROTA</u> , Sorin AVRAM, Ramona CURPAN, Alina BORA, Liliana HALIP
4.	THE COMPOSITION OF HUMAN CEREBELLUM ASSOCIATED GANGLIOSIDES IS HIGHLY COMPLEX AS REVEALED BY ION MOBILITY TANDEM MASS SPECTROMETRY <u>Maria-Roxana BIRICIOIU</u> , Mirela SARBU, Raluca ICA, Alina D. ZAMFIR
5.	EVALUATION OF THE QUALITY OF GOAT'S MILK BY CHEMICAL ANALYSIS <u>Ion Valeriu CARABA</u> , Marioara Nicoleta CARABA, Octavian Sorin VOIA, Gabi DUMITRESCU, Călin JULEAN, Delia HUTANU
6.	EVALUATION OF THE IMPACT OF NICOSULFURON ON THE SOIL BY ENZYMATIC METHODS <u>Marioara Nicoleta CARABA</u> , Ion Valeriu CARABA, Elena PET, Gabi DUMITRESCU, Roxana POPESCU, Adrian SINITEAN, Delia HUTANU
7.	COMPUTATIONAL EVALUATION OF THE INTERACTIONS OF SOME DI-ISONONYL PHTHALATE METABOLITES WITH FAMILY 1 SULFOTRANSFERASES <u>Silvana-Oana CEURANU</u> , Vasile OSTAFE, Adriana ISVORAN
8.	EFFICIENCY OF COPPER ACCUMULATION IN VARIOUS STRAINS OF RECOMBINANT MICROORGANISMS FOR BIOREMEDIATION OF HEAVY METAL-POLLUTED WATERS <u>Constantina Bianca VULPE</u> , Mariana Adina MATICA, Renata KOVACEVIC, Daniela DASCALU, Zoran STEVANOVIC, Adriana

	ISVORAN, Vasile OSTAFE, Gheorghita MENGHIU
9.	PEGYLATED SQUALENE-BASED NANOTHERAPEUTICS: ENHANCED IN VITRO ANTITUMOR ACTIVITY OF COMMERCIAL DRUGS Bogdan Florin CRACIUN, Mariana PINTEALA
10.	A TOOL TO ENHANCE THE PROCESS OF SELECTING CRYSTAL STRUCTURE COMPLEXES FOR DOCKING PURPOSES Cristian NEANU
11.	CHARACTERISTICS AND PROPERTIES OF SOY HULL PECTIC FIBER EXTRACTED BY DIFFERENT PROTOCOLS Dušan PEĆANAC, Milica PEROVIĆ, Maja MILOŠEVIĆ, Zorica KNEŽEVIĆ JUGOVIĆ, Mirjana ANTOV
12.	ASSESSMENT OF THE MYCLOBUTANIL EFFECTS ON THE ACTIVITIES OF SOME ENZYMES FOUND IN SOIL Diana - Larisa ROMAN, Mariana - Adina MATICA, Alecu CIORSAC, Adriana ISVORAN
13.	NEW APPROACHES TO BIOLOGICAL IMAGING. COORDINATION OF BORON COMPOUNDS TO DIFFERENT PORPHYRINS FOR LASER DYES AND FLUORESCENT LABELING Diana ANGHEL, Anca LASCU, Ion FRATILESCU, Camelia EPURAN, Eugenia FAGADAR-COSMA
14.	OPTIMIZATION OF ENZYME-ASSISTED EXTRACTIONS OF PROTEIN FROM PUMPKIN LEAVES Dušan PEĆANAC, Milica PEROVIĆ, Maja MILOŠEVIĆ, Zorica KNEŽEVIĆ JUGOVIĆ, Mirjana ANTOV
15.	COMPLEX BETWEEN AN A₃B PORPHYRIN, AuNPs AND K-CARRAGEENAN USED FOR DETECTION OF 1-METHYLIMIDAZOLE Camelia EPURAN, Ion FRATILESCU, Diana ANGHEL, Anca LASCU, Eugenia FAGADAR-COSMA
16.	ADVANCED ANTIBACTERIAL COMPOUNDS. COMPLEXES BETWEEN 1-METHYLIMIDAZOLE AND A CARBOXY -A₃B PORPHYRIN Ion FRATILESCU, Camelia EPURAN, Diana ANGHEL, Anca LASCU, Eugenia FAGADAR- COSMA

17.	PORPHYRIN-BASED NANOMATERIALS ABLE TO QUANTIFY WATER IN FOOD PACKAGING <u>Anca LASCU</u> , Camelia EPURAN, Ion FRATILESCU, Diana ANGHEL, Eugenia FAGADAR-COSMA
18.	UP-SCALING THE RECYCLING PARADIGM: NOVEL THERMOPLASTIC COMPOSITES FOR STRUCTURAL APPLICATIONS MADE ENTIRELY FROM WASTE <u>Fulga TANASA</u> , Ioana A. DUCEAC
19.	NEW BIOMATERIALS BASED ON POLYSACCHARIDE DERIVATIVES FOR MINIMALLY INVASIVE ADMINISTRATION OF LOCAL DRUG DELIVERY SYSTEMS <u>Ioana A. DUCEAC</u> , <u>Fulga TANASA</u>
20.	PRELIMINARY ANALYSIS REGARDING THE DETERMINATION OF THE ACTIVITY OF ACIDOPHILIC BACTERIAL STRAINS IN SYNTHETIC MEDIA CONTAINING DIFFERENT CONCENTRATIONS OF HEAVY METALS <u>Alexandra DOBRITOIU</u> , Constantina Bianca VULPE, Vasile OSTAFE, <u>Gheorghita MENGHIU</u>
21.	POLYOXAZOLINES – STABILITY, BIO - AND HAEMOCOMPATIBILITY STUDY <u>Sergiu CECOLTAN</u> , <u>Iuliana CARAS</u> , <u>Catalin TUCUREANU</u> , <u>Valentin VASILE</u> , <u>Dumitru Mircea VULUGA</u> , <u>Florica Adriana JERCA</u> , <u>Aurora SALAGEANU</u> , <u>Valentin Victor JERCA</u> , <u>Elena-Diana GIOL</u>
22.	HYDROGEN EVOLUTION REACTION - USAGE OF BISMUTH OXIDES AS CATALYSTS <u>Cătălin IANĂȘI</u> , <u>Nicoleta PLEȘU</u> , <u>Milica ȚARĂ-LUNGĂ MIHALI</u> , <u>Nicoleta Sorina NEMEȘ</u> , <u>Zoltán DUDÁS</u> , <u>László ALMÁSY</u> , <u>Narcis DUȚEANU</u> , <u>Adina NEGREA</u>
23.	THE EFFECT OF CELLULASE-AIDED EXTRACTION ON RECOVERY AND FUNCTIONAL PROPERTIES OF WHITE PROTEIN FRACTION FROM PUMPKIN LEAVES <u>Jovana VUKOBRA TOVIĆ</u> , <u>Milica PEROVIĆ</u> , <u>Maja MILOŠEVIĆ</u> , <u>Zorica KNEŽEVIĆ JUGOVIĆ</u> , <u>Mirjana ANTOV</u>
24.	CHAMOMILE TEA RESIDUES AS AN ALTERNATIVE (LOW-COST) ADSORBENT IN LEAD REMOVAL FROM SOLUTIONS <u>Kaltrina JUSUFI</u> , <u>Enju WANG</u> , <u>Ali A SHOHATEE</u>

25.	ENZYMATIC MODIFICATION OF PECTIC FIBER EXTRACTED FROM SOY HULL BY DIFFERENT PROTOCOLS <u>Krsman BOŽOVIĆ</u> , Maja MILOŠEVIĆ, Milica PEROVIĆ, Zorica KNEŽEVIĆ JUGOVIĆ, Mirjana ANTOV
26.	POLYMERS OF VINYLPHOSPHONIC ACID WITH DIALKYLVINYL PHOSPHONATES AND THEIR ANTICORROSION PROPERTY <u>Lavinia MACARIE</u> , Nicoleta PLESU, Milica TARA-LUNGA-MIHALI, Adriana POPA
27.	A FINGERPRINT-BASED APPROACH TO IDENTIFY AND REPURPOSE DRUGS WITH SIMILAR SIDE EFFECTS <u>Liliana HALIP</u> , Ramona CURPAN, Ana BOROTA, Alina BORA, Sorin AVRAM
28.	PLSDA MODELING OF BLOOD BRAIN BARRIER PENETRATION BY SMALL MOLECULES <u>Liliana PACUREANU</u> , Luminita CRISAN
29.	MODIFICATIONS IN PLANTS POLYPHENOLS PROFILE DUE TO BIOTIC STRESS AND CLIMATE CHANGE <u>Lucian COPOLOVICI</u> , Andreea LUPITU, Cristian MOISA, Flavia BORTES, Simona GAVRILAS, Dana COPOLOVICI
30.	CARBONIZATION OF TREE OF HEAVEN FOR BIOCHAR PRODUCTION: A PROMISING UTILIZATION OF INVASIVE SPECIES FOR PESTICIDE ADSORPTION Danilo ERDELJAN, Jelena PLATIŠA, Aleksandra JANOŠEVIĆ LEŽAIĆ, Snežana USKOKOVIĆ-MARKOVIĆ, <u>Maja MILOJEVIĆ-RAKIĆ</u> , Danica BAJUK-BOGDANOVIĆ
31.	PHOSPHONATE METAL-ORGANIC FRAMEWORKS AS ENVIRONMENTALLY FRIENDLY ADSORBENT MATERIALS <u>Marcela IOSIVONI</u> , Bianca MARANESCU, Aurelia VISA
32.	COLOUR DETERMINATION USING CIELab SPACE OF A NEW DIRECT DYE DRIVED FROM 4,4'-DIAMINOSTILBENE-2,2'-DISULPHONIC ACID <u>Maria Elena RĂDULESCU-GRAD</u> , Simona POPA, Giannin MOȘOARĂ
33.	BIODEGRADABLE CHITOSAN-BASED FILMS: CHARACTERIZATION, PROPERTIES AND APPLICATIONS <u>Mariana Adina MATICA</u> , Gheorghita MENGHIU, Diana-Larisa

	ROMAN
34.	Zn GRAFTED ORDERED MESOPOROUS SILICA KIT-6 for CO₂ ADSORPTION <u>Mariana SUBA</u> , Alexandru POPA, Orsina VERDEȘ, Silvana BORCĂNESCU
35.	ENHANCED RECOVERY AND PROPERTIES OF PROTEIN ISOLATE FROM PUMPKIN LEAVES FROM ENZYME ASSISTED EXTRACTIONS <u>Marina SAVIĆ</u> , Milica PEROVIĆ, Maja MILOŠEVIĆ, Zorica KNEŽEVIĆ JUGOVIĆ, Mirjana ANTOV
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