

**The 14<sup>th</sup> Edition of the Symposium with  
International Participation**

**NEW TRENDS AND STRATEGIES IN  
THE CHEMISTRY OF ADVANCED  
MATERIALS WITH RELEVANCE IN  
BIOLOGICAL SYSTEMS, TECHNIQUE  
AND ENVIRONMENTAL PROTECTION**

**PROGRAM OF THE  
CHEMISTRY SYMPOSIUM**

**October 20-21, 2022  
Timișoara, România**

*With financial support from:*



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**ROMANIAN ACADEMY – TIMIȘOARA  
BRANCH**

**“CORIOLAN DRĂGULESCU” INSTITUTE OF  
CHEMISTRY**

**ROMANIAN SOCIETY OF CHEMISTRY –  
TIMIȘOARA BRANCH**

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<b>Dr. Cristian NEANU</b>	"Coriolan Drăgulescu" Institute of Chemistry

Thursday, 20 October 2022

## Registration of the participants

8.00-8.50

in the hall of "Coriolan Dragulescu" Institute of  
Chemistry, Romanian Academy, 24 Mihai Viteazul Bvd.

## OPENING SESSION

09.00-09.10

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

## PLENARY CONFERENCES & LECTURES

*Chairmen: Dr. Otilia COSTIȘOR, Prof. Dr. Francisc PÉTER*

09.10-09.40

**PL1. Acad. Maria ZAHARESCU**

*"Ilie Murgulescu" Institute of Physical Chemistry of the Romanian Academy, Bucharest, Romania*  
Influence of the microwaves on the sol-gel chemistry

09.40-10.10

**PL2. Prof. Evamarie HEY-HAWKINS**

*Leipzig University, Faculty of Chemistry and Mineralogy, Institute of Inorganic Chemistry, Germany*  
Multifaceted chemistry with phosphorus-functionalised ferrocene  
derivatives

10.10-10.40

**PL3. Acad. Cristian SILVESTRU**

*Babeș-Bolyai University, Faculty of Chemistry and Chemical Engineering, Cluj-Napoca, Romania*  
Organopnictogen(III) compounds containing Pn-chalcogen (Pn = Sb, Bi) -  
structure and reactivity

10.40-10.55

**L1. Diana Larisa ROMAN, Daniela DASCĂLU, Alecu CIORSAC, Vasile OSTAFE, Adriana ISVORAN**

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

Computational evaluation of the human health effects of the degradation products of biopolymers

**Coffee Break 10.55-11.15**

*Chairmen: Acad. Maria ZAHARESCU, Dr. Liliana CSEH*

**11.15-11.45**

**PL4. Valeria HARABAGIU, Maria IGNAT, Petrisor SAMOILA, Andra ENACHE, Razvan ROTARU, Bogdan CONDURACHE**

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

High-tech and bio-oriented polysaccharide composites

**11.45-12.15**

**PL5. Livius COTARCĂ**

*LC Consulting sas, Udine, Italy*

Bis(trichloromethyl) carbonate (btc, triphosgene): a safer alternative to phosgene?

**12.15-12.45**

**PL6. Ladislau VEKAS**

*Center for Fundamental and Advanced Technical Research (CFATR), Romanian Academy – Timisoara Branch*

Magnetically controllable fluids - Synthesis, manifold characterization and some applications

**12.45-13.00**

**L2. Andrei JUNCU, Alina BORA, Ana BOROTA, Sorin AVRAM, Luminita CRISAN, Ovidiu VLAICU, Teodor SULEA, Stefana PETRESCU, Dan OȚELEA, Laurentiu SPIRIDON, Liliana PĂCUREANU, Costin-Ioan POPESCU**

*Institute of Biochemistry of the Romanian Academy, Bucuresti, Romania*

A new high throughput assay for cis proteolytic activity identifies new chemical scaffolds with inhibitory activity against Hepatitis C Virus NS2 cysteine protease



**13.00-13.15**

**L3. Bianca-Vanesa BOROS, Daniela DASCĂLU, Vasile OSTAFE, Adriana ISVORAN**

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

The study of chitosan, chitooligosaccharides and derivatives regarding their effects on aquatic organisms

**13.15-13.30**

**L4. George BĂDESCU**

*RONEXPRIM*

“NEWS from KRÜSS”

**Lunch Break 13.30-14.30**

*Chairmen: Prof. Adriana IZVORAN, Dr. Alina BORA*

**14:30-15.00**

**PL7. Dana-Maria COPOLOVICI, Carmen POPA, Ana-Maria TOLOȘ, Cristian MOISĂ, Andreea LUPITU, Silvia Elena MOȚ, Lucian COPOLOVICI**

*Aurel Vlaicu University, Faculty of Food Engineering, Tourism and Environmental Protection; Institute for Research, Development and Innovation in Technical and Natural Sciences, Arad, Romania*

Antimicrobial cell-penetrating peptides

**15.00-15.15**

**L5. Elena STOLERU, Daniela PAMFIL, Mihai BREBU**

*“Petru Poni” Institute of Macromolecular Chemistry, Iasi, Romania*

Anchoring chitosan-based bioconjugates hydrogel layer onto poly(lactic acid) substrate

**15.15-15.30**

**L6. Teodor Asvadur ȘULEA, Victor Gabriel UNGUREANU, Eliza Cristina MARTIN, Andrei-José PETRESCU, Laurentiu SPIRIDON**

*Institute of Biochemistry of the Romanian Academy, Bucuresti, Romania*

Robosample: A Molecular Simulation Program That Combines Enhanced Sampling with High-Speed Robotics Algorithms

**15.30-15.45**

**L7. Alexandru BĂLAN**  
*OF SYSTEMS*

### Coffee Break 15.45-16.05

#### Special sections:

“Liquid crystals, electrochemistry and sensors” - Dedicated to the thematic area of the project “Advanced Self-Assembled Hybrid Nanoarrays with Controllable Inter-nanoelectrode Positions for Ultrasensitive Sensing in Medical Applications” code PN-III-P4-ID-PCE-2020-1958

”RO-OPENSREEN - objectives, and perspectives”  
Dedicated to the presentation of the project “ICT - Interdisciplinary Center for Smart Specialization in Chemical Biology (RO-OPENSREEN)”, MySMIS Code: 127952, Contract no. 371/20.07.2020; the project is co-funded by the European Regional Development Fund through the Competitiveness Operational Program 2014-2020.

*Chairmen: Prof. Florica MANEA, Dr. Aurelia VIȘA*

**16.05-16.35**

**PL8. Elisabeta I. SZERB, Ionel NICOLAE, Florica MANEA**  
*“Coriolan Drăgulescu” Institute of Chemistry, Timisoara, Romania*  
Liquid crystals, electrochemistry and sensors

**16.35-17.05**

**PL9. Maria Penelope DE SANTO, Lorenza SPINA, Caterina Maria TONE, Riccardo BARBERI and Federica CIUCHI**  
*Department of Physics, University of Calabria, Italy*  
Spherical confinement of chiral chromonics

**17.05-17.35**

**PL10. Mihai BREBU, Elena STOLERU**  
*“Petru Poni” Institute of Macromolecular Chemistry, Iasi, Romania*  
Bioactive materials by immobilization of natural compounds into polymeric matrices

**17.35-17.50**

**L9. C. CIFOR**

*ZEISS Microscopy*

Confocal and super-resolution microscopy

**17.50-18.05**

**L10. Marcela MIHAI, Narcisa MARANGOCI**

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

Infra suprachem lab - center for advanced research in supramolecular chemistry

**18.05-18.20**

**L11. Manuela CRIȘAN, Alina BORA, Liliana PĂCUREANU, Liliana CSEH**

*"Coriolan Drăgulescu" Institute of Chemistry, Timisoara, Romania*

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

## First day closing session

**Friday 21 October 2022**

## PLENARY CONFERENCES & LECTURES

*Chairmen: Dr. Nicoleta PLEȘU, Dr. Ramona CURPĂN*

**09.00-09.30**

**PL11. Alessandra Crispini, Francesca Scarpelli, Iolinda Aiello, Nicolas Godbert, Massimo La Deda**

*Department of Chemistry and Chemical Technologies, University of Calabria, Italy*

Design, properties, and applications of metal-containing soft materials: a brief survey in the reign of liquid crystals

**09.30-10.00**

**PL12. Joseph ASTLEY, Iain NICHOLL, Gary HIX**

*University of Wolverhampton, School of Sciences, United Kingdom*

Biomedical applications of Metal Phosphonates

**10.00-10.15**

**L12. Rosario M.P. COLODRERO, Aurelio CABEZA, Álvaro VÍLCHEZ-CÓZAR, Montse BAZAGA-GARCÍA, Fernando CAÑAMERO, Pascual OLIVERA-PASTOR**

*Universidad de Málaga, Spain*

Electrocatalytic properties of cobalt phosphides and pyrophosphates derived from phosphonate-based-MOFs

**10.15-10.30**

**L13. M. PAPAGNO**

*Department of Physics, University of Calabria, Italy*

Nearly-freestanding supramolecular assembly with tunable structural properties

**10.30-10.45**

**L14. Giuseppe CONTE, Atyeh RAHMANZADEH, Ana-Maria PUTZ, Raffaele Giuseppe AGOSTINO, Alfonso POLICICCHIO**

*- Department of Physics, University of Calabria, Italy*

Development of activated carbons from amorphous cellulose and preliminary tests on functionalized silica for evaluating hydrogen storage capacity

**10.45-11.00**

**L15. Atyeh RAHMANZADEH, Giuseppe CONTE, Raffaele Giuseppe AGOSTINO, Alfonso POLICICCHIO**

*Department of Physics, University of Calabria, Italy*

Cigarette butt-derived carbons as possible solution to H<sub>2</sub> and CH<sub>4</sub> storage

**Coffee Break 11.00-11.20**

*Chairmen: Prof. Alessandra Crispini, Prof. Gary HIX*

**11.20-11.50**

**PL13. Marcela MIHAI**

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

(Multi)functional ionic polymers. synthesis, materials design, application

**11.50-12.05**

**L16. Pietro CALANDRA**

*CNR-ISMN, National Research Council, Institute of Nanostructured Materials, Rome, ITALY*

Mixing two liquid amphiphiles: a simple way to induce the generation of emerging properties, up to ionic liquid formation

**12.05-12.20**

**L17. Ion BURCĂ, Valentin BADEA, Ioan BÎTCAN, Anamaria TODEA, Francisc PETER**

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

Synthesis, enzymatic kinetic resolution and assigning the absolute configuration by nmr of novel racemic secondary (r,s)-2-[(4,5-diaryl-4h-1,2,4-triazol-3-yl)sulfanyl]-1-aryl ethanols

**12.20-12.35**

**L18. Simari CATALDO**

*Department of Chemistry and Chemical Technologies, University of Calabria, Italy*

Adsorption of CO<sub>2</sub>, CH<sub>4</sub> and H<sub>2</sub> in porous sorbents: elucidating gas distribution and their molecular dynamics by NMR methods

**12.35-12.50**

**L19. Alina Ramona BUZATU, Ioan BÎTCAN, Diana Maria DREAVĂ, Anamaria TODEA, Francisc PETER, Carmen Gabriela BOERIU**

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

Lipase catalyzed production of sugar fatty acid esters in reactive natural deep eutectic solvents

**12.50-13.05**

**L20. Maria IGNAT, Elvira TURCU, Petrisor SAMOILĂ, Corneliu COJOCARU, Georgeta PREDEANU, Valeria HARABAGIU, Felicia COSMULESCU, Alexandru FITI**

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

Wastes-derived porous carbons with relevance in environmental protection

**[Lunch Break 13.05-14.05](#)**

**Flash presentation session**

*Chairmen: Dr. Elisabeta I. Szerb, Dr. Orsina Verdes*

**14.05-14.10**

**FP1. Denisa Ioana VOICULESCU, Diana Laria ROMAN, Vasile OSTAFE, Adriana ISVORAN**

*West University of Timișoara, Faculty of Chemistry, Biology, Geography, Romania*  
Computational assessment of the toxicological effects of the myclobutanil on the human health

**14.10-14.15**

**FP2. Jona KERI, Lorena MEMUSHAJ, Ina XHANGOLI**

*Aldent University, Te Selvia Tirane, Albania*

Detection of heavy metals in the Mountain tea (characteristic tea) offered by pharmacies in Albania

**14.15-14.20**

**FP3. Ion FRĂȚILESCU, Camelia EPURAN, Anca LASCU, Mihaela BIRDEANU, Eugenia FĂGĂDAR-COSMA**

*"Coriolan Drăgulescu" Institute of Chemistry, Timisoara, Romania*

Detection of different quinone derivatives using Pt(II)-metalloporphyrin-aunps hybrid nanomaterials

**14.20-14.25**

**FP4. Cristina TOMA, Sorin AVRAM**

*"Coriolan Drăgulescu" Institute of Chemistry Timisoara, Romania*

Prioritization of kinase crystal structures for docking, using b-factor index for the binding site

**14.20-14.25**

**FP5. Bianca-Vanesa BOROS, Diana-Larisa ROMAN, Adriana ISVORAN**

Assessment of triazole fungiced regarding their aquatic toxicity

**14.25-14.30**

**FP6. Maria Andreea NISTOR, Robert IANOȘ, Simona Gabriela MUNTEAN**

Efficient removal of anionic and cationic dyes by adsorption using a new magnetite/carbon nanocomposite

**14.30-14.35**

**FP7. Alexandru VISAN, Evelyn POPA, Carmen CRETU, Elisabeta I. SZERB, Adelina A. ANDELESCU**

Gallate ligands functionalized with ferrocene containing alkyl chains as precursors for bimetallic liquid crystals

Friday 21 October 2022

## POSTER SESSION

1.	<b>CYTOPATHOLOGICAL CHANGES AND DNA DAMAGE IN HUMAN TUMOR CELLS AFTER TREATMENT WITH ZN(II)/AU(I) AND ZN(II)/AG(I) COMPLEXES WITH SCHIFF BASES</b> <u>Abedulkadir ABUDALLEH</u> , Tanya ZHIVKOVA, Desislav DINEV, Lora DYAKOVA, Milena GEORGIEVA, Georgi MILOSHEV, Daniela-Cristina CULITA, Gabriela MARINESCU, Radostina ALEXANDROVA
2.	<b>EVALUATION OF BIOLOGICAL ACTIVITY (CYTOTOXIC, ANTIVIRAL) OF 1,8-NAPHTHALIMIDE DERIVATIVES</b> Hristo HRISTOV, <u>Desislav DINEV</u> , Abedulkadir ABUDALLEH, Lora DYAKOVA, Desislava STANEVA, Kalina SHISHKOVA, Awad SAID, Ivo GRABCHEV, Radostina ALEXANDROVA
3.	<b>B-PHOSPHONATED GLYCINE PENDANT GROUPS GRAFTED ON POLYMER: SYNTHESIS AND APPLICATION AS HETEROGENEOUS PHOTOCATALYST</b> <u>Laura COCHECI</u> , Aniela POP, Lavinia A. LUPA, Aurelia VISA, Adriana POPA
4.	<b>ACETAMIDE DETECTION WITH RELEVANCE IN LIVER FIBROSIS CONTROL USING A DIMER COMPOUND BASED ON PORPHYRINS</b> <u>Camelia EPURAN</u> , Anca LASCU
5.	<b>SYNTHESIS AND CHARACTERIZATION OF A HETERO-PORPHYRIN TRIMER</b> <u>Anca LASCU</u> , Liliana HALIP, Eugenia FAGADAR-COSMA
6.	<b>SYNTHESIS, CRYSTAL STRUCTURES AND MODELING OF CO<sub>2</sub> BINDING SITES IN Zn(II) AND Cd(II) MOFS BASED ON 4,4'-BIPHENYLDICARBOXYLATE AND AZINE LIGANDS</b> <u>Vasile LOZOVAN</u> , Yurii M. CHUMAKOV, Victor Ch. KRAVTSOV, Natalia V. COSTRIUCOVA, Marina S. FONARI
7.	<b>SYNTHESIS, CRYSTAL STRUCTURE AND HIRSHFELD SURFACE ANALYSIS OF IONIC ADDUCT OF 2,4-DIAMINO-6-PHENYL-1,3,5-TRIAZINE WITH MALONIC ACID</b>

	<u>Nicoleta CRACIUN</u> , Elena MELNIC, Diana CHISCA
8.	<b>ASSESSMENT OF TRIAZOLE FUNGICED REGARDING THEIR AQUATIC TOXICITY</b> <u>Bianca-Vanesa BOROS</u> , Diana-Larisa ROMAN, Adriana ISVORAN
9.	<b>DFT CALCULATIONS OF MAGNETIC INTERACTIONS IN {Mn<sub>2</sub>Ln<sub>2</sub>, Ln = Gd, Tb, Dy} COORDINATION CLUSTERS</b> Yurii CHUMAKOV, <u>Mariana DARII</u> , Victor Ch. KRAVTSOV, Jürg HAUSER, Karl KRÄMER, Jan van LEUSEN, Silvio DECURTINS, Paul KÖGERLER, Shi-Xia LIU, Svetlana G. BACA
10.	<b>CHITOSAN-NISIN MEMBRANES WITH ENHANCED ANTIMICROBIAL PROPERTIES: PREPARATION AND PHYSICO-CHEMICAL CHARACTERIZATION</b> <u>Mariana Adina MATICA</u> , Vasile OSTAFE
11.	<b>COMPUTATIONAL EVALUATION OF THE STRUCTURAL STABILITY AND FLEXIBILITY OF THE ENZYMES BELONGING TO FAMILY 1 OF SULFOTRANSFERASES (SULT1)</b> <u>Silvana CEAURANU</u> , Alecu CIORSAC, Vasile OSTAFE, Adriana ISVORAN
12.	<b>ELEVATED CARBON DIOXIDE INFLUENCES ON PLANTS POLYPHENOLS</b> <u>Lucian COPOLOVICI</u> , Andreea LUPITU, Cristian MOISA, Flavia BORTES, Simona GAVRILAS, Dana COPOLOVICI
13.	<b>SYNTHESIS AND CHARACTERIZATION OF A MULTI-IONIC POLYMERIC COMPOUND INVOLVING HEXAAMMINECOBALT(III), POTASSIUM, 4-SULFOBENZOIC, AND CHLORIDE IONS</b> <u>Ecaterina BELEAEV</u> , Victor Ch. KRAVTSOV, Svetlana G. BACA
14.	<b>ASSESSMENT OF THE EFFECTS OF THE FUNGICIDE MYCLOBUTANIL ON THE SOIL ENVIRONMENT</b> <u>Diana Larisa ROMAN</u> , Mariana Adina MATICA, Iulia BUNDURUŞ, Adriana ŞCHEIANU, Marioara Nicoleta FILIMON, Adriana ISVORAN
15.	<b>GLYCOSYLATED RECOMBINANT CHITINASE A, A SUITABLE ENZYME FOR BIOTECHNOLOGICAL PROCESSES OF CHITIN CONVERSION</b> Eliza Maria MIHALACHE, Vasile OSTAFE, <u>Gheorghita MENGHIU</u>
16.	<b>INDUSTRIAL WASTES RECLAIMING AS LAYERED DOUBLE HYDROXIDES BIO MASS COMPOSITES</b> <u>Adelina CUCU-NOVĂCUT</u> , Lavinia LUPA, Laura COCHECI, Cornelia



	MUNTEAN
17.	<b>A SMALL STRUCTURAL REARRANGEMENT IN {Co<sup>III</sup><sub>2</sub>Dy<sup>III</sup><sub>4</sub>} SMMs AFFECTS MAGNETIZATION QUANTUM TUNNELING</b> <u>Dumitru STATI</u> , Jan van LEUSEN, Victor Ch. KRAVTSOV, Paul KÖGERLER, Svetlana G. BACA
18.	<b>RECOVERY OF PALLADIUM IONS FROM AQUEOUS SOLUTIONS ON EFFICIENT ADSORBENTS MATERIALS Mg<sub>3</sub>Al LDH FUNCTIONALIZED WITH METHYL TRIALKYL AMMONIUM CHLORIDE</b> <u>Samuel Nick TOLEA</u> , Laura COCHECI, Lavinia LUPA, Radu LAZAU, Rodica PODE
19.	<b>HETEROMETALLIC HEXANUCLEAR {Fe<sub>4</sub>Ln<sub>2</sub>, LN = DY, GD} PIVALATE CLUSTERS</b> <u>Daniel PODGORNII</u> , Jan van LEUSEN, Victor Ch. KRAVTSOV, Paul KÖGERLER, Svetlana G. BACA
20.	<b>CONGO RED DYE ADSORPTION FROM AQUEOUS SOLUTION BY MAGNETIC NANOCOMPOSITE: PROCESS OPTIMIZATION STUDY</b> <u>Simona Gabriela MUNTEAN</u> , Maria Andreea NISTOR, Liliana HALIP
21.	<b>EFFICIENT REMOVAL OF ANIONIC AND CATIONIC DYES BY ADSORPTION USING A NEW MAGNETITE/CARBON NANOCOMPOSITE</b> <u>Maria Andreea NISTOR</u> , Robert IANOȘ, Simona Gabriela MUNTEAN
22.	<b>IDENTIFICATION OF NOVEL DPP-4 INHIBITORS FOR TYPE 2 DIABETES: A PRELIMINARY COMPUTATIONAL INVESTIGATION</b> <u>Daniela ISTRATE</u> , Luminița CRIȘAN
23.	<b>POLYSULFONE-BASED COMPOSITE FIBROUS MEMBRANES: INFLUENCE OF THE SOLUTION PARAMETERS ON THE ELECTROSPINNING PROCESS</b> Adina Maria DOBOS, Mihaela Dorina ONOFREI, Diana SERBEZEANU, Lavinia LUPA, <u>Anca FILIMON</u>
24.	<b>SONOCHEMICAL SYNTHESIS OF AgNPs USING SOLUBLE STARCH AND MIE THEORY SIZE ESTIMATION</b> <u>Ioan-Bogdan PASCU</u> , Adina NEGREA, Mihaela CIOPEC, Petru NEGREA, Narcis DUȚEANU, Nicoleta NEMES
25.	<b>NEW 3d-4f HETEROPOLYNUCLEAR SYSTEMS OBTAINED USING SCHIFF-BASE LIGANDS</b> <u>Robert-Alin PELLE</u> , Catalin MAXIM, Marius ANDRUH, Traian-Dinu

	PASATOIU
26.	<b>DRUG REPOSITIONING OPPORTUNITIES IN POST-MARKETING ADVERSE EVENTS DATA</b> <u>Liliana HALIP</u> , Ramona CURPAN, Ana BOROTA, Alina BORA, Sorin AVRAM
27.	<b>ASSESSMENT OF THE EFFECTS OF THE FUNGICIDE MYCLOBUTANIL ON THE SOIL ENVIRONMENT</b> <u>Diana Larisa ROMAN</u> , Mariana Adina MATICA, Iulia BUNDURUȘ, Adriana ȘCHEIEANU, Marioara Nicoleta FILIMON, Adriana ISVORAN
28.	<b>SYNTHESIS, CHARACTERIZATION AND TEMPERATURE PROGRAM DESORPTION INVESTIGATIONS OF SOME MESOPOROUS MOLECULAR SIEVES</b> <u>Silvana BORBĂNESCU</u> , Alexandru POPA, Orsina VERDES, Mariana Suba, Cătălin IANĂȘI
29.	<b>ENZYMATIC SYNTHESIS OF FURAN-BASED OLIGOESTERS BY USING MICROBIAL LIPASES</b> <u>Andreea PETROVICI</u> , Ioan BÎTCAN, Diana Maria DREAVĂ, Iulia PĂUȘESCU, Francisc PETER, Anamaria TODEA
30.	<b>THE ADSORPTION-DESORPTION OF CO<sub>2</sub> ON AMINO-FUNCTIONALIZED KIT-6 AND Ce/KIT-6</b> <u>Mariana SUBA</u> , Alexandru POPA, Orsina VERDEȘ, Silvana BORBĂNESCU
31.	<b>SYNTHESIS AND LIQUID CRYSTALLINE PROPERTIES OF BENZOTHIENO-THIOPHENE AND FLUORENONE BASED MOLECULES</b> <u>Livia DEVESELEANU-CORICI</u> , Angela Maria SPIRACHE, Daniela HAIDU, Milenca VORGA, Alexandru VISAN, Bogdan MARA, Xiangbing ZENG, Goran UNGAR, Liliana CSEH
32.	<b>MATERIAL BASED ON BISMUTH AND CARBON ENRICHED WITH IRON OXIDES USED FOR THE RECOVERY OF GOLD FROM AQUEOUS SOLUTIONS</b> <u>Cătălin IANĂȘI</u> , Adina NEGREA
33.	<b>GALLATE LIGANDS FUNCTIONALIZED WITH FERROCENE CONTAINING ALKYL CHAINS AS PRECURSORS FOR BIMETALLIC LIQUID CRYSTALS</b> <u>Alexandru VISAN</u> , Evelyn POPA, Carmen CRETU, Elisabeta I. SZERB, Adelina A. ANDELESCU
34.	<b>BIMETALLIC LIQUID CRYSTALS BASED ON ZN(II) AND CU(II) COORDINATION COMPLEXES</b>

	<u>Evelyn POPA</u> , Carmen CRETU, Ildiko BUTA, Elisabeta I. SZERB
35.	<b>HONEY NATURAL PRODUCTS AS AN ADJUNCTIVE TREATMENT FOR CHALLENGING DISEASES</b> <u>Alina BORA</u> , Luminita CRISAN
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## Closing Conference