

**The 11th 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**

**June 28-29, 2018
TIMISOARA**

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Proiect cofinanțat de
Consiliul Județean Timiș



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**Registration of the participants,
Thursday 28 June 2018,
8.00-8.50
in the hall of the Institute of Chemistry Timisoara of the
Romanian Academy, 24 Mihai Viteazul Av.**

Thursday, 28 June 2018

Aula of the Romanian Academy, Timisoara Branch
24 Mihai Viteazul Av.

OPENING SESSION

09.00-09.10

Dr. Otilia COSTISOR, Chairman of the Organizing Committee, Director
of the Institute of Chemistry Timisoara of the Romanian Academy

PLENARY CONFERENCES

Chairmen: Dr. Otilia COSTISOR

09.10-09.50

PL1. Ion NEDA, Catalin V. MAFTEI, Elena FODOR, M. HEIKO
FRANZ, Ionel BALCU, Corina MACARIE

*Institute of Inorganic and Analytical Chemistry, Technical University Carola Wilhelmina,
Braunschweig, Germany*

Molecular recognition of amino acids using dynamic molecular systems

09.50-10.30

PL2. Livius COTARCA

LC Consulting, Udine, Italia

Case study: facing polymorphism on scale during the process validation

10.30-11.10

PL3. Alexandru ROTARU

*"Petru Poni" Institute of Macromolecular Chemistry, Romanian Academy, Centre of
Advanced Research in Bionanoconjugates and Biopolymers, Iasi, Romania*

Supramolecular assemblies for cell staining and cell support applications

Coffee Break 11.10-11.30

Thursday, 28 June 2018

Aula of the Romanian Academy, Timisoara Branch

24 Mihai Viteazul Av.

PLENARY CONFERENCE & LECTURES

Chairmen: Dr. Livius COTARCA

Dr. Elisabeta I. SZERB

11.30-12.10

PL4. Athanasios SALIFOGLOU

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

Zinc-Schiff base chemistry meets structure-specific biology of insulin mimesis in diabetes mellitus II

12.10-12.50

PL5. Eugenia FAGADAR-COSMA

Institute of Chemistry Timisoara of Romanian Academy, Timisoara, Romania

Porphyrins - an integrated romanian research history from the genesis of the ring of life to essential wide fields applications

12.50-13.20

L1. Mihai BALAS

RONEXPRIM

Innovative solutions which include cutting - edge technology equipments, techniques and methods in conformity with international standards for analytical laboratory

Lunch Break 13.20-14.30

Thursday, 28 June 2018

Aula of the Romanian Academy, Timisoara Branch
24 Mihai Viteazul Av.

PLENARY CONFERENCES, LECTURES & ORAL PRESENTATIONS

Chairmen: Dr. Luminita MARIN

Prof. Dr. Ion NEDA

14:30-15.10

PL6. Liliana PACUREANU, Sorin AVRAM, Luminița CRISAN, Ana BOROTA, Alina BORA, Andrei JUNCU, Costin-Ioan POPESCU

Institute of Chemistry Timisoara of Romanian Academy, Timisoara, Romania

Covalent inhibitors – hepatitis C virus (HCV) NS₂ non-structural protease

15.10-15.40

L2. Sarachie IONEL

ABL&E JASCO

Sinteza organica de peptide si purificare flash cromatografica cu noua generatie de echipamente Biotage

15.40-16.00

L3. Dana COPOLOVICI, Andreea LUPITU, Cristian MOISA, Nicoleta MIHOC, Lucian COPOLOVICI

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

Chemical characterizarion, biological activity, and applications of essential oils

16.00-16.30

PL7. Nicoleta PLESU

Institute of Chemistry Timisoara of the Romanian Academy, Timisoara, Romania

Polyaniline - remarkable promising polymer

Thursday, 28 June 2018

Aula of the Romanian Academy, Timisoara Branch

24 Mihai Viteazul Av.

16.30-16.50

L4. Radostina ALEXANDROVA, Tanya ZHIVKOVA, Desislav DINEV, Lora DYAKOVA, Abedulkadir ABUDALLEH, Zdravka PETROVA, Rossen SPASOV, Milena GEORGIEVA, Georgi MILOSHEV, Gabriela MARINESCU, Daniela-Cristina CULITA, Luminita PATRON, Reni KALFIN

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

Searching for metal complexes with promising anticancer activity

16.50-17.00

O1. Maya MARINOVA, Kalina KOSTOVA, Laure GUÉNÉE, Céline BESNARD, Vladimir DIMITROV, Jérôme LACOUR

Institute of Organic Chemistry with Centre of Phytochemistry, Bulgarian Academy of Sciences, Sofia, Bulgaria

Synthesis and properties of novel functionalized cationic [5] helicenes

17.00-17.30

L5. Alin MOGOS

AGILENT

Noi abordari in caracterizarea materialelor si a analizelor de mediu

17.30-17.40

O2. Daniela AILINCAI

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

Biocompatible hydrogels based on the self-assembling of citril-imino-chitosan dynamer

17.40-18.10

L6. Alexandru CHIRITA, Marius CHIRITA, Vlad GÜNTHER

SCIENCEROOT

Scienceroot: Proposing a new way of scientific conduct and incentivizing the community with blockchain technology

Closing session of first day

Friday 29 June 2018

Aula of the Romanian Academy, Timișoara Branch

24 Mihai Viteazul Av.

PLENARY CONFERENCES & LECTURES

Chairmen: Dr. Liliana CSEH

Dr. Nicoleta PLESU

09.00-09.40

PL8. Warren STEVENSON, Heng-xing ZOU, Jianggen AN, Xiangbing ZENG, Liliana CSEH, Chris WELCH, Georg MEHL, Goran UNGAR

Department of Materials Science and Engineering, University of Sheffield, Sheffield, UK

Helical “twist-bend” nematic phase in dimers and polymers

09.40-10.20

PL9. Luminita MARIN

“Petru Poni” Institute of Macromolecular Chemistry of Romanian Academy, Iasi, Romania

Chitosan based hydrogels. from design to applications

10.20-10.40

L7. Maria P. De SANTO, Gia PETRIASHVILI, Mauro D.L. BRUNO, R.J. HERNANDEZ, Riccardo BARBERI, Gabriella CIPPARRONE

University of Calabria and CNR-Nanotec, Rende (CS), Italy

RGB Cholesteric Lasers

10.40-11.20

PL10. Pietro CALANDRA, Vincenzo Turco LIVERI

CNR-ISMN, Monterotondo Stazione (RM) Italy

Self-assembly in binary mixtures of amphiphiles: from smart to ionic liquid behaviour

Coffee Break 11.20-11.50

Friday 29 June 2018

Aula of the Romanian Academy, Timișoara Branch
24 Mihai Viteazul Av.

PLENARY CONFERENCES, LECTURES & ORAL PRESENTATIONS

*Chairmen: Dr. Eugenia FAGADAR-COSMA
Dr. Pietro CALANDRA*

11.50-12.30

PL11. Athanasios SALIFOGLU, Olga TSAVE

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

Biological activity correlations with structural speciation of the environmental cadmium toxin

12.30-12.50

L8. Ana-Maria PUTZ, Alfonso POLICICCHIO, Sara STELITANO, Raffaele G. AGOSTINO, Paula SFARLOAGA, Catalin IANASI, Cecilia SAVII

Institute of Chemistry Timisoara of Romanian Academy, Timisoara, Romania

Organically functionalised mesoporous silica matrices suitable for gas storage. Synthesis and characterisation

12.50-13.10

L9. Alfonso POLICICCHIO, Ana-Maria PUTZ, Sara STELITANO, Raffaele G. AGOSTINO, Catalin IANASI, Cecilia SAVII

Institute of Chemistry Timisoara of Romanian Academy, Timisoara, Romania

Organically functionalised mesoporous silica. The gas storage capacity evaluation

13.10-13.20

OP3. Gabriela PRICOPE (GAVRIL), Mariana PINTEALA

“Petru Poni” Institute of Macromolecular Chemistry, Romanian Academy, Centre of Advanced Research in Bionanoconjugates and Biopolymers, Iasi, Romania

β -CD/indolizinyl-pyridinium salt inclusion complex as fluorescent cell staining agent

13.20-13.30

OP4. Elena-Laura URSU

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

Single-walled carbon nanotubes dynamic hydrogels for biomedical applications

13.30-13.40

OP5. Anca LASCU, Anca BELEAN, Eugenia FAGADAR-COSMA

Institute of Chemistry Timisoara of Romanian Academy, Timisoara, Romania

Applications of zinc-metalloporphyrins

13.40-13.50

OP6. Vasile SIMULESCU, Gheorghe ILIA

Institute of Chemistry Timisoara of Romanian Academy, Timisoara, Romania

Hybrids containing zirconium and phosphorus compounds obtained by sol-gel method

13.50-14.30

PL12. Isabella NICOTERA, Cataldo SIMARI, Luigi COPPOLA, Cesare Oliviero ROSSI, Giuseppe A. RANIERI

Department of Chemistry and Chemical Technologies, University of Calabria, Rende (CS), Italy

Composite membranes based on 2D plate-like nanostructures for proton exchange membrane (PEM) fuel cells

14.30-15.10

PL13. Raffaele G. AGOSTINO

Dipartimento di Fisica, Università della Calabria, Italy

DeltaH: a new facility for the validation of H₂-related materials and components

15.10-15.50

PL14. Jiri PLOCEK, Michaela SLUSNA, Petr SVORA

Institute of Inorganic Chemistry of the Czech Academy of Sciences, Řež, Czech Republic

Titania as UV-protection for industrial composite materials

15.50-16.30

PL15. Daniel NIZNANSKY, Marco SANNA, Carla CANNAS

Department of Inorganic Chemistry, Charles University, Faculty of Science, Prague, Czech Republic

Hydrothermal preparation of oxide nanoparticles - A method of preparing new materials that respect the environment

Closing Remarks

Thursday, 28 June 2018, 10.00 - 18.00

Friday, 29 June 2018, 09.00 - 16.00

Hall of the Institute of Chemistry Timișoara of the Romanian Academy
24 Mihai Viteazul Av.

POSTER SESSION

1.	REMOVAL OF PHENOL DERIVATIVES USING THE COPOLYMER MATRICES WITH OLEFIN FUNCTIONAL GROUPS AS ADSORBENTS Radu ARDELEAN, Corneliu-Mircea DAVIDESCU, Adriana POPA
2.	PERFORMANCE OF THE COMPOSITES MEMBRANES BASED ON QUATERNIZED POLYSULFONES FOR BIOMEDICAL APPLICATIONS: CONTROL OF SURFACE PROPERTIES AND BIOACTIVITY Anca FILIMON, Simona DUNCA, Adriana POPA
3.	STUDY IN THE CIELab COLOUR SCALE OF A STILBENE DYE Maria Elena RĂDULESCU-GRAD, Simona Gabriela MUNTEAN, Maria Andreea NISTOR
4.	PHOSPHONATE METAL ORGANIC FRAMEWORKS: PREPARATION AND APPLICATION Bianca MARANESCU, Lavinia LUPA, Aurelia VISA
5.	LIGAND BASED PHARMACOPHORE AND 3D QSAR OF WNT SIGNALING INHIBITORS Ana BOROTA, Alina BORA, Ramona CURPĂN, Daniela VARGA, Cristian NEANU, Luminița CRIȘAN, Liliana HALIP
6.	PRELIMINARY STUDY OF CHAR FORMATION OF POLYPHOSPHONATES AND POLYPHOSPHATES USING COMPUTATIONAL APPROACHES Simona FUNAR-TIMOFEI, Luminita CRISAN, Smaranda ILIESCU, Gheorghe ILIA

7.	NEONICOTINOID INSECTICIDAL ACTIVITY SIMULATION USING THE PARTIAL LEAST SQUARES APPROACH Simona FUNAR-TIMOFEI, Alina BORA
8.	MLR MODELLING OF NEONICOTINOID INSECTICIDAL ACTIVITY AGAINST <i>APHIS CRACCIVORA</i> Simona FUNAR-TIMOFEI, Takahiro SUZUKI, Alina BORA
9.	SYNTHESIS, DESIGN AND CHARACTERIZATION OF QUINCORINE (QCI) AND QUINCORIDINE (QCD) DERIVATIVES AS BUILDING BLOCKS FOR NATURAL PRODUCT-BASED LIBRARIES, AS CATALYST AND AS CHIRAL MOIETIES IN BIO-ACTIVE SUBSTANCES Ion Neda, Catalin V. Maftai, Elena Fodor, M. Heiko Franz, Ionel Balcu, Corina Macarie
10.	THEORETICAL INVESTIGATIONS OF SOME DIARYLTHIAZOLE AND DIARYLIMIDAZOLE DERIVATIVES AS SELECTIVE COX-1 INHIBITORS Luminita CRISAN, Alina BORA, Ana Borota, Liliana PACUREANU
11.	GPCRs CLASSIFICATION THROUGH SELF-ORGANIZING MAP MODELS Liliana HALIP, Ramona CURPAN, Ana BOROTA, Alina BORA, Sorin AVRAM
12.	DEFINING ASSAY PROFILES TO ANALYZE MOLECULAR SELECTIVITY Sorin AVRAM, Alina BORA, Ramona CURPAN, Cristian NEANU, Liliana HALIP
13.	HIGHLY EFFICIENT LASER ACTION FROM FREE-SHAPE DYE DOPED SOFT MATTER SYSTEMS Valentin BARNA
14.	INFLUENCE OF PVA IN TEXTURAL PROPRIETIES WITH TEMPERATURE Catalin IANASI, Ana-Maria PUTZ, Mirela PICIORUS, Roxana NICOLA, Cecilia SAVII

15.	LOW-ANGLE X-RAY POWDER DIFFRACTION ANALYSIS OF MICROSTRUCTURE OF SOME SYNTHESIZED TEMPLATE SILICA SAMPLES Ana-Maria PUTZ, Jiri PLOCEK, Petr BEZDICKA, Cecilia SAVII
16.	MICROWAVE SYNTHESIS OF CuInS₂ NANOPARTICLES Petrica-Andrei LINUL, Radu BANICA, Cristina MOSOARCA, Daniel URSU, Andrei RACU, Mihai-Cosmin PASCARIU
17.	CYTOTOXIC ACTIVITY OF BIVALENT METAL COMPLEXES OF KOJIC ACID IN CULTURED HUMAN CANCER AND NON-CANCER CELLS Milena GLAVCHEVA, Gabriela MARINESCU, Rossen SPASSOV, Danela-Cristina CULITA, Zdravka PETROVA, Luminita PATRON, Radostina ALEXANDROVA
18.	AN ADVANCED APPROACH FOR CYTOCOMPATIBILITY TESTING OF POLYZWITTERIONIC HYDROGELS FOR WOUND HEALING APPLICATIONS Radostina ALEXANDROVA, Konstans RUSEVA, Desislav DINEV, Tanya ZHIVKOVA, Boyka ANDONOVA-LILOVA, Lora DYAKOVA, Abedulkadir ABUDALLEH, Elena VASSILEVA
19.	RUTHENIUM(III) COMPLEXES CONTAINING SCHIFF BASE LIGANDS EXPRESS CYTOTOXIC ACTIVITY IN HUMAN CANCER CELL LINES Zdravka PETROVA, Desislav DINEV, Boyka ANDONOVA-LILOVA, Milena GLAVCHEVA, Rossen SPASOV, Anna KOUNCHEVA, Gabriela MARINESCU, Daniela-Cristina CULITA, Luminita PATRON, Radostina ALEXANDROVA
20.	DISULFIRAM DECREASES VIABILITY AND PROLIFERATION OF VIRUS - TRANSFORMED ANIMAL CANCER CELLS Desislav Dinev, Lora Dyakova, Tanya Zhivkova, Rossen Spasov, Reni Kalfin, Alexandrova Radostina

21.	PHYSICAL CHARACTERIZATIONS OF THE EFFECT OF LASER IRRADIATION ON PVA/Ag NANOCOMPOSITES A. A. MENAZEA, A. M. ABDELGHANY
22.	SYNTHESIS OF MONODISPERSE MICROMETRIC Fe₃O₄ FOR BIOMEDICAL APPLICATIONS Marius Constantin CHIRITA, Liviu MOCANU, Adrian IETA, Corneliu-Bazil CIZMAS, Marius CHIRITA
23.	THE STUDY OF THE ELECTRICAL AND MAGNETIC PROPERTIES OF THE CRYSTALLINE PHASES OF THE Fe₃O₄ BY AB INITIO METHODS Liviu MOCANU, Marius CHIRITA
24.	FACILE ESTERIFICATION OF AROMATIC AMINO ACIDS AT ROOM TEMPERATURE Horatiu MOLDOVAN, Daiana A. ALBULESCU, Valentin BADEA, Francisc PETER
25.	COMBUSTION SYNTHESIS AND CHARACTERIZATION OF IRON OXIDE NANOPARTICLES Aylin CĂPRARU, Robert IANOȘ, Radu LAZĂU, Cornelia PĂCURARIU, Roxana RACOVICIANU
26.	REACTION CONDITIONS OPTIMIZATION FOR PREPARING MAGHEMITE BY COMBUSTION SYNTHESIS Aylin CĂPRARU, Robert IANOȘ, Radu LAZĂU, Cornelia PĂCURARIU, Roxana RACOVICIANU
27.	TRIGONAL COLUMNAR SELF-ASSEMBLY OF BENT PHASMID MESOGENS Yaxin LI, Huifang CHENG, Xiangbing ZENG, Hongfei GAO, Xiaohong CHENG, Goran UNGAR
28.	SELF ASSEMBLY OF AMINO ACID IONIC LIQUIDS WITH WEDGE-SHAPED Jie WANG, Yaxin LI, Xiangbing ZENG, Goran UNGAR, Liliana CSEH

29.	REGENERATION ATTEMPTS OF $H_3PW_{12}O_{40}/SBA-15$ AND $Pd_{0.20}H_{2.60}PW_{12}O_{40}/SBA-15$ CATALYSTS USED IN THE ETHANOL CONVERSION REACTION Silvana BORCĂNESCU, Viorel SASCA, Orsina VERDES, Mariana SUBA, Alexandru POPA
30.	STUDY OF THE DEACTIVATION MECHANISM ON PURE AND Pd DOPED $H_3PW_{12}O_{40}$ AND $H_3PW_{12}O_{40}/SBA-15$ CATALYSTS IN ETHANOL DEHYDRATION Orsina VERDES, Viorel SASCA, Alexandru POPA, Mariana SUBA, Silvana BORCANESCU
31.	POTASSIUM SALTS OF KEGGIN TYPE HETEROPOLYACIDS SUPPORTED ON ACTIVATED CARBON Alexandru POPA, Snezana USKOKOVIC-MARKOVIC, Danica BAJUK-BOGDANOVIC Viorel SASCA, Mariana SUBA, Catalin IANASI, Ivanka HOLCLAJTNER-ANTUNOVIC
32.	ASSESSING PERFORMANCE OF MINERALS MATERIALS FOR WASTEWATER TREATMENT Simona Gabriela MUNTEAN, Maria Andreea NISTOR, Adelina ANDELESCU, Maria Elena RADULESCU-GRAD
33.	PRELIMINARY STUDIES FOR SYNTHESIS AND APPLICATION OF NEW MAGNETIC NANOCOMPOSITES FOR THE WASTEWATERS TREATMENT Maria Andreea NISTOR, Simona Gabriela MUNTEAN, Robert IANOS, Ludovic KURUNCZI
34.	APPLICATION OF MAGNETITE/CARBON NANOPARTICLES FOR THE TREATMENT OF COLORED WASTEWATER Oana-Loredana LACATUSU, Maria Andreea NISTOR, Simona Gabriela MUNTEAN, Cornelia PACURARIU
35.	POROUS FORSTERITE 3D SCAFFOLDS WITH POTENTIAL OSSEO-REGENERATIVE PROPERTIES - A PRELIMINARY STUDY - Alexandra AVRAM, Maria GOREA, Nicolae HAR, Aurora MOCANU, Maria TOMOAIACOTIȘEL

36.	SYNTHESIS AND CHARACTERIZATION OF TRICALCIUM SILICATE AS A MAIN COMPONENT OF ENDODONTIC CEMENT Lucia TIMIS, Alexandra AVRAM, Maria GOREA, Ioana BOTA, Ionel PETEAN, Maria TOMOAI-A-COTIŞEL
37.	CHEMICAL AND BIOLOGICAL INVESTIGATION OF BORON WITH PHYSIOLOGICAL SUBSTRATES Sevasti MATSIA, Olga TSAVE, Athanasios SALIFOGLU
38.	DESIGN, SYNTHESIS AND PHYSICO-CHEMICAL CHARACTERIZATION OF BINARY CADMIUM-QUINIC ACID SYSTEM. IN VITRO CYTOTOXICITY AND CYTOPROTECTION ASSESSMENT Olga TSAVE, Aikaterini IORDANIDOU, Athanasios SALIFOGLU
39.	Zn(II) vs. V(IV)-CITRATE ADIPOGENIC ACTIVITY THROUGH RELATED METALLOGENETIC INTERACTIONS Olga TSAVE, Maria P. YAVROPOULOU, John G. YOVOS, Athanasios SALIFOGLU
40.	TGF-β/Smad SIGNALING REGULATION BY VANADIUM Savvas PETANIDIS, Efrosini KIOSEOGLOU, Doxakis ANESTAKIS, Aristidis MOUSTAKAS, Jon CARTHY, Athanasios SALIFOGLU
41.	SPECTROPHOTOMETRIC EVALUATION OF ANTIOXIDANT ACTIVITY OF ACTIVE CARBONS BY ABTS•+ METHOD Irina GINSARI, Raisa NASTAS
42.	SUGGESTED MECHANISMS OF HYDROGEN SULPHIDE OXIDATION ON ACTIVE CARBONS Raisa NASTAS, Vasile RUSU, Tudor LUPASCU
43.	PREDICTION OF LUCIFERASE INHIBITORS: A CASE STUDY Alina BORA, Sorin AVRAM, Liliana HALIP, Liliana PĂCUREANU, Ramona CURPĂN

44.	COMMON BINDING MODEL OF THE HEXAHYDROIMIDAZO [1,2a]PYRIDINE ANALOGUES INTO THE n-AChR ACTIVE SITE Alina BORA, Simona FUNAR-TIMOFEI
45.	PRELIMINARY MOLECULAR DOCKING EVALUATION OF THE DIHYDROPYRROLE-FUSED NEONICOTINOID ANALOGUES Alina BORA, Ana Borota, Luminita Crisan, Simona FUNAR-TIMOFEI
46.	MOLECULAR MODELING OF MUTANT ERα AND AR ASSOCIATED WITH AQUIRED CANCER RESISTANCE TO TREATMENT Ramona CURPĂN, Liliana HALIP, Ana BOROTA, Cristian NEANU, Philipp MAXIMOV, Craig V. JORDAN
47.	NEW ALKANOLAMINES SALTS OF <i>p</i>-AMINOBENZOIC ACID: SYNTHESIS AND STRUCTURAL ANALYSIS Manuela CRISAN, Mihaela PETRIC, Pavlina BOUROSH, Lilia CROITOR
48.	THE IMPACT OF SOLVENTS ON THE FORMATION OF DIVERSE CRYSTALLIZATION FORMS OF IMINOPHOSPHORANES Mihaela PETRIC, Manuela CRISAN, Lilia CROITOR, Victor KRAVTSOV, Paulina BOUROSH, Gheorghe ILIA
49.	SOLVENT ROLE IN THE SYNTHESIS OF TWO Mn(II) COMPOUNDS BASED ON (2-PYRIMIDYLTHIO) ACETIC ACID Mariana DARII, Anatol SIMINEL, Lilia CROITOR
50.	SULFUR EXTRUSION AND SULFUR OXIDATION OF 2,2'-DITHIODIBENZOIC ACID IN COMBINATION WITH Cu(II) ION AND IN THE ABSENCE OF CO-LIGANDS Anastasia GOROBET, Lilia CROITOR

51.	pH-DEPENDENT SYNTHESIS OF Zn(II) AND Cd(II) MIXED-LIGAND COORDINATION POLYMERS: STRUCTURE AND LUMINESCENT PROPERTIES Aliona VITIU, Lilia CROITOR, Anatol SIMINEL, Olga Kulikova, Eduard COROPCEANU, Paulina BOUROSH
52.	SUPRAMOLECULAR AGGREGATES OF CU(I)BIQUINOLINE COMPLEXES IN WATER Carmen CRETU, Anca SILVESTRU, Adelina A. ANDELESCU, Liliana CSEH, Otilia COSTISOR, Elisabeta I. SZERB
53.	PRECURSORS FOR LIQUID CRYSTALS SYNTHESIS, BASED ON FLUORENONE CORE Daniela HAIDU, Angela SPIRACHE, Livia DEVESELEANU-CORICI, Anamaria ARDELEAN, Valentin BADEA, Elisabeta Ildiko SZERB, Otilia COSTISOR, Goran UNGAR, Liliana CSEH
54.	Ag(I) IONIC LIQUID CRYSTALS FOR HIGHLY EFFECTIVE PURIFICATION OF RESIDUAL WATERS CONTAINING ORGANIC DYES Maria Angela SPIRACHE, Carmen CREȚU, Liliana CSEH, Otilia COSTIȘOR, Elisabeta I. SZERB, Lavinia LUPA
55.	SYNTHESIS, CHARACTERIZATION AND BIOLOGICAL PROPERTIES OF COBALT(III) AND MANGANESE(III) COMPLEXES WITH SCHIFF BASE AS LIGAND Anamaria ARDELEAN, Ildiko BUTA, Florica MANEA, Peter LÖNNECKE, Evamarie HEY-HAWKINS, Otilia COSTISOR
56.	SYNTHESIS, CRYSTAL STRUCTURE AND MAGNETIC PROPERTIES OF POLYNUCLEAR COPPER(II) AZIDO COMPLEX Ildiko BUTA, Diana APARASCHIVEI, Anamaria ARDELEAN, Peter LÖNNECKE, Evamarie HEY-HAWKINS, Eva RENTSCHLER, Marius ANDRUH, Otilia COSTISOR

57.	pH-DEPENDENT STRUCTURAL INTERCONVERSION OF 2,6-BIS(2,4-DIHYDROXYBENZYLIDENE)CYCLOHEXANONE. KINETIC STUDIES Livia DEVESELEANU-CORÎCI, Alfonso A. ARMIJO, Artur J. MORO, A. Jorge PAROLA, João C. LIMA, Fernando PINA, Otilia COSTISOR, Liliana CSEH
58.	THE INFLUENCE OF OLEIC ACID SHELL THICKNESS ON THE MORPHO-STRUCTURAL AND MAGNETIC PROPERTIES OF IRON OXIDE NANOPARTICLES Roxana NICOLA, Cătălin IANĂȘI, Liviu SĂCĂRESCU, Daniel NIŽŇANSKÝ, Cecilia SAVII
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Closing Conference