



ALEXANDRU IOAN CUZA
UNIVERSITY of IAȘI



FACULTY of CHEMISTRY

Conference Program



25-26 October 2018, Iasi, Romania

IasiCHEM 2018

Faculty of Chemistry Conference

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25-26 October 2018, Iasi
Romania



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Presentation time (discussion included)

- Plenary Conference: 40 minutes
- Oral Communication: 20 minutes

Posters Program

- Poster number will be displayed on the poster panel.
- Posters contributions from Session I will be placed on the poster panel Thursday, October 25th, morning during the registration time from 8³⁰ to 9⁰⁰, and will be removed Thursday after 18³⁰.
- Posters contributions from Session II will be placed on the poster panel Friday, October 26th, morning from 8³⁰ to 9⁰⁰ and will be removed Friday after 18³⁰.
- Presence of authors is required.

Scientific Program

Day 1

Thursday, October 25th, Aula Magna “Mihai Eminescu”

- 8³⁰-9⁰⁰ **Registration of the participants**
Chairpersons: Prof. Cecilia ARSENE
Prof. Ionel MANGALAGIU
- 9⁰⁰-9¹⁰ **Opening Ceremony**
Dean Prof. Aurel PUI
- 9¹⁰-9³⁰ **Our Professors - Celebration Moment**
- 9³⁰-9⁵⁰ **Personalitati ale chimiei iesene din ultimul secol**
Prof. Aurel PUI, Dean
“Alexandru Ioan Cuza” University of Iasi, Faculty of Chemistry
- 9⁵⁰-10⁰⁰ **Nobel Prize for Chemistry 2018**
Assoc. Prof. Vasile-Robert GRADINARU
“Alexandru Ioan Cuza” University of Iasi, Faculty of Chemistry
- 10⁰⁰-10³⁰ **RubikEDU and entrepreneurs dedicated programs**
Andrei CARABELEA
Valentin Iulian TOC
ADR Nord-Est Piatra Neamt, Romania
- 10³⁰-11⁰⁰ **Easy access to scientific data - SCI Finder**
Veli-Pekka HYTTINEN
Regional Marketing Manager for SciFinder
- 11⁰⁰-11³⁰ **Coffee Break – The Hall of the Echoing Footsteps**
Kober’s Video spot - Advertising Opportunities

Session 1

Aula Magna “Mihai Eminescu”

Chairpersons: Prof. Doina HUMELNICU
Prof. Gabi DROCHIOIU

- IC-01** **Pagini din istoria invatamantului superior de chimie timisorean**
11³⁰-12¹⁰
Vlad Andrei CHIRIAC
West University of Timisoara, Faculty of Chemistry Biology Geography

OC-01 **Nuclear safety and security of the reprocessed fuel in Europe (The Euratom Safeguard)**
12¹⁰-12³⁰

Octavian S. VALU, Karin CASTELEYN, Lily DUINSLAEGER, Evelyn ZULEGER, Razvan Aurel BUDA, Klaus LUTZENKIRCHEN

European Commission, JRC Karlsruhe, Directorate G – Nuclear Safety and Security

OC-02 **Thermodynamic and kinetic principles of young wines during cold stabilization**
12³⁰-12⁵⁰

Ecaterina COVACI, Doina FOCSA, Georgeta MOGA, Alexandra LESANU

Technical University of Moldova, Department of Oenology, Chisinau, Republic of Moldova

OC-03 **Relevant kinetic data for atmospheric degradation of selected volatile organic compounds: ESC-Q-UAIC Simulation Chamber Studies**
12⁵⁰-13¹⁰

Romeo-Iulian OLARIU^{1,2}, Cecilia ARSENE^{1,2}

¹*“Alexandru Ioan Cuza” University of Iasi, Faculty of Chemistry*

²*“Alexandru Ioan Cuza” University of Iasi, Integrated Centre of Environmental Science Studies in the North Eastern Region*

13¹⁰-15⁰⁰ **Lunch – The Hall of the Echoing Footsteps**

Session 2

Lecture Hall P3 – Faculty of Chemistry

Chairpersons: Assoc. Prof. Simona CUCU-MAN

Prof. Romeo-Iulian OLARIU

IC-02 **Synthesis, structure and antimicrobial activity of new norbdanic compounds with heterocyclic structural units**
15⁰⁰-15⁴⁰

Aulina ARICU¹, Alexandru CIOCARLAN¹, Lidia LUNGU¹, Caleria CUCICOVA¹, Elena SECARA¹, Ionel MANGALAGIU², Nicoleta VORNICU³

¹*Academy of Sciences of Moldova, Institute of Chemistry, Chisinau, Republic of Moldova*

²*“Alexandru Ioan Cuza” University of Iasi, Faculty of Chemistry*

³*The Metropolitanate of Moldavia and Bukovina, TABOR Metropolitan Center of Research*

OC-04 **Synthesis of new decahydropyrrolo[2,1,5-
15⁴⁰-16⁰⁰ cd]indolizin-6-one derivatives**

Dalila BELEI¹, Adriana CHIRIAC², Elena BICU¹, Sergiu SHOVA²

¹*“Alexandru Ioan Cuza” University of Iasi, Faculty of Chemistry*

²*“Petru Poni” Institute of Macromolecular Chemistry*

OC-05 **Cationic amphiphilic dextran derivatives and their
16⁰⁰-16²⁰ applications**

Magdalena C. STANCIU, Marieta NICHIFOR, Georgeta MOCANU

“Petru Poni” Institute of Macromolecular Chemistry

OC-06 **What link can NMR Spectroscopy have with AFM
16²⁰-16⁴⁰ Microscopy? Unraveling complex configurational
and supramolecular organization in conjugated
polymers**

Gabriela Liliana AILIESEI, Luminita CIANGA, Anca-Dana BENDREA, Elena-Gabriela HITRUC, Ioan CIANGA

“Petru Poni” Institute of Macromolecular Chemistry

OC-07 **SEM-EDX pigment analysis of Stefan Luchian
16⁴⁰-17⁰⁰ heritage paintings**

Maria MURARIU, Andrei Victor OANCEA, Mihaela OLARU

“Petru Poni” Institute of Macromolecular Chemistry

**17⁰⁰-17³⁰ Coffee Break – The Hall of the Echoing Footsteps
Kober’s Video spots - Advertising Opportunities**

17³⁰-18³⁰ Poster Session I

19⁰⁰ Cocktail – Majestic Hotel

POSTER SESSION I

Thursday, October 25th - The Hall of the Echoing Footsteps

PI-01 Mechano-chemical changes of the immunoglobulin molecule under tensile loads

Simona BUTAN¹, Veronica FILIMON², Rodica-Mihaela DINICA¹
¹*“Dunarea de Jos” University of Galati, Faculty of Science and Environment, Chemistry, Physics and Environment Department*
²*“Dunarea de Jos” University of Galati, Cross-Border Faculty of Humanities, Economics and Engineering*

PI-02 GC–MS investigation of phytochemicals in different part of *Nymphaea alba* species

Mihaela CUDALBEANU, Ioana O. GHINEA, Bianca FURDUI, Rodica M. DINICA
“Dunarea de Jos” University of Galati, Department of Chemistry, Physics and Environment

PI-03 Preliminary phytochemical analysis of the species *Cucumis metuliferus*

Anna CAZANEVSCAIA, Rodica DINICA
“Dunarea de Jos” University of Galati, Department of Chemistry, Physics and Environment

PI-04 Chemical composition, antimicrobial activity and chemoinformatics study of cinnamon (*Cinnamomum zeylanicum*) extract

Gheorghe-Lucian IRIMIA¹, Corina DUDA-SEIMAN¹, Daniel-Marius DUDA-SEIMAN²
¹*West University of Timisoara, Department of Biology-Chemistry*
²*“Victor Babes” University of Medicine and Pharmacy*

PI-05 Enzymatic dosing of honey

Andreea-Daniela MARINICA, Alexandra SAVU, Andreea DONISE, Emanuela Mihaela CRACIUN
University Politehnica of Bucharest, Faculty of Applied Chemistry and Materials Science

PI-06 Antioxidant activity of different fractions of aromatic herbs

Fanica BALANESCU, Ioana Otilia GHINEA, Bianca FURDUI, Rodica Mihaela DINICA
“Dunarea de Jos” University of Galati, Faculty of Science and Environment, Chemistry, Physics and Environment Department

PI-07 Heavy metal-induced essential oil content changes of thyme

Radu NECULA^{1,2}, Elvira GILLE^{1,2}, Camelia STEFANACHE¹, Marius ZAHARIA², Gabi DROCHIOIU²
¹*National Institute of Research and Development for Biological Sciences Bucharest/“Stejarul” Biological Research Center*
²*“Alexandru Ioan Cuza” University of Iasi, Faculty of Chemistry*

PI-08 Total mineralization of malachite green dye by advanced oxidation processes

Diana-Carmen MIRILA^{1,2}, Madalina-Stefania PIRVAN¹, Nicoleta PLATON¹, Mohamed Amine DIDI², Ileana-Denisa NISTOR¹, Abdelkrim AZZOUZ³

¹"Vasile Alecsandri" University of Bacau; Department of Chemical and Food Engineering

²Abou Bekr Belkaid University of Tlemcen, Department of Chemistry, Algeria

³University of Quebec in Montreal, NanoQAM Research Centre, Department of Chemistry, Canada

PI-09 Retention of pyrene on functionalized anionic clays - layered double hydroxides in wastewater treatment

Madalina-Stefania PIRVAN^{1,2}, Diana-Carmen MIRILA¹, Nicoleta PLATON¹, Laurance PIRAULT-ROY², Rachid BRAHMI³, Mohamed Amine DIDI⁴, Ileana Denisa NISTOR¹

¹"Vasile Alecsandri" University of Bacau; Department of Chemical and Food Engineering ²University of Poitiers; Institute of Chemistry of Poitiers: Materials and Natural Resources, Laboratory, France

³Chouaib Doukkali University, Faculty of Sciences, Department of Chemistry, Morocco

⁴Abou Bekr Belkaid University of Tlemcen, Department of chemistry, Laboratory of separation and purification technologies, Algeria

PI-10 Rapid analysis of Rare Earth Elements from solid samples by using on-line dissolution and Inductively Coupled Plasma – Mass Spectrometry

Laurentiu-Valentin SOROAGA^{1,2}, Cecilia ARSENE^{1,2}, Iuliana Gabriela BREABAN^{2,3}, Elena Diana BOBRIC², Romeo-Iulian OLARIU^{1,2}

¹"Alexandru Ioan Cuza" University of Iasi, Faculty of Chemistry

²"Alexandru Ioan Cuza" University of Iasi, Integrated Centre of Environmental Science Studies in the North Eastern Region

³"Alexandru Ioan Cuza" University of Iasi, Faculty of Geography and Geology

PI-11 Attempts to characterize the organic aerosols using an Aerodyne High-Resolution Aerosol Mass Spectrometer

Cornelia AMARANDEI¹, Alina Giorgiana GALON (NEGRU)¹, Véronique RIFFAULT², Alexandre TOMAS², Marius DUNCIANU², Iustinian Gabriel BEJAN^{1,3}, Romeo-Iulian OLARIU^{1,3}, Cecilia ARSENE^{1,3}

¹"Alexandru Ioan Cuza" University of Iasi, Faculty of Chemistry

²IMT Lille Douai, France

³"Alexandru Ioan Cuza" University of Iasi, Integrated Center of Environmental Science Studies in the North Eastern Region

PI-12 Biological activity of electrospun polyimide nanofibers with gold nanoparticles

Diana SERBEZEANU¹, Alina-Mirela IPATE¹, Tachita VLAD-BUBULAC¹, Elena HAMCIUC¹, Corneliu HAMCIUC¹, Ion SAVA¹, Magdalena AFLORI¹, Maria BUTNARU²

¹"Petru Poni" Institute of Macromolecular Chemistry

²*“Grigore T. Popa” University of Medicine and Pharmacy, Faculty of Medical Bioengineering*

- PI-13 Adsorption studies of anionic dyes on a dextran hydrogel**
Magdalena C. STANCIU, Marieta NICHIFOR
“Petru Poni” Institute of Macromolecular Chemistry
- PI-14 Synthesis and characterization of photocrosslinked acrylic coatings containing noble metal nanoparticles (Au, Ag, Au/Ag) and testing of their photocatalytic potential**
Lenuta STROEA, Violeta MELINTE, Andreea-Laura CHIBAC, Tinca BURUIANA, Emil C. BURUIANA
“Petru Poni” Institute of Macromolecular Chemistry
- PI-15 Complex formation ability and cytotoxic activity of siloxane/silane Schiff bases**
Ionela GRECU¹, Mirela-Fernanda ZALTARIOV², Mihaela AVADANEI², Dragos PEPTANARIU³
¹*“Alexandru Ioan Cuza” University of Iasi, Faculty of Chemistry*
²*“Petru Poni” Institute of Macromolecular Chemistry*
³*“Petru Poni” Institute of Macromolecular Chemistry, Centre of Advanced Research in Bionanoconjugates and Biopolymers (IntelCentru)*
- PI-16 Comparative study between antitumor activity of specifically modified thiosemicarbazones and indoloquinoline/indolobenzazepine derivatives**
Mirela-Fernanda ZALTARIOV¹, Ionela GRECU²
¹*“Petru Poni” Institute of Macromolecular Chemistry*
²*“Alexandru Ioan Cuza” University of Iasi, Faculty of Chemistry*
- PI-17 Complex formation ability between thiosemicarbazone ligands and platinum ions: stoichiometry, stability constants and kinetic study**
Madalin DAMOC¹, Alexandru STOICA¹, Ionela GRECU¹, Mirela-Fernanda ZALTARIOV², Maria CAZACU²
¹*“Alexandru Ioan Cuza” University of Iasi, Faculty of Chemistry*
²*“Petru Poni” Institute of Macromolecular Chemistry*
- PI-18 Cellulose-based hydrogels: design, synthesis and morphological aspects**
Daniela RUSU, Diana CIOLACU
“Petru Poni” Institute of Macromolecular Chemistry
- PI-19 Spectrophotometric evaluation of versatility of thiosemicarbazones in recovery and valorization of platinum ions**
Alexandru STOICA¹, Madalin DAMOC¹, Ionela GRECU¹, Mirela-Fernanda ZALTARIOV², Maria CAZACU²
¹*“Alexandru Ioan Cuza” University of Iasi, Faculty of Chemistry*
²*“Petru Poni” Institute of Macromolecular Chemistry*
- PI-20 Rheological and yield stress measurements of cosmetic creams based on collagen**
Iulian AVRAMIUC¹, Roberta-Diana DIAC¹, Maricel DANU^{1,2}, Constanta IBANESCU^{1,2}

¹"Gheorghe Asachi" Technical University of Iasi

²"Petru Poni" Institute of Macromolecular Chemistry

PI-21 New cycloaddition reactions of 4-(2-amino-2-oxoethyl)benzo[f]quinolinium iodide: a comparative study

Vasilichia ANTOCI¹, Dorina AMARIUCAI-MANTU¹, Gheorghita ZBANCIOC¹, Costel MODOVEANU¹, Violeta MANGALAGIU², Catalina Ionica CIOBANU¹, Ionel MANGALAGIU¹

¹"Alexandru Ioan Cuza" University of Iasi, Faculty of Chemistry

²"Alexandru Ioan Cuza" University of Iasi, Integrated Centre of Environmental Science Studies in the North Eastern Region

PI-22 Synthesis and characterization of some novel hybrids based on pyridine/quinoline and imidazole/benzimidazole moieties

Dumitrelea CUCU, Dorina AMARIUCAI-MANTU, Catalina Ionica CIOBANU, Ionel MANGALAGIU

"Alexandru Ioan Cuza" University, Faculty of Chemistry

PI-23 Synthesis of new pyrrolodiazine with fluorescent properties

Gheorghita ZBANCIOC¹, Costel MOLDOVEANU¹, Mihai-Ady ZVANCU¹, Catalina CIOBANU¹, Vasilichia ANTOCI¹, Violeta MANGALAGIU^{2,3}, Dorina AMARIUCAI-MANTU¹, Ionel MANGALAGIU¹

¹"Alexandru Ioan Cuza" University of Iasi, Faculty of Chemistry

²"Stefan cel Mare" University of Suceava, Faculty of Food Engineering

³"Alexandru Ioan Cuza" University of Iasi, Integrated Centre of Environmental Science Studies in the North Eastern Region

PI-24 Synthesis of new aza-heterocyclic compounds designed as quadruplex DNA ligands and their anticancer activity

Monica C. SARDARU¹, Ionel MANGALAGIU¹, Ramona DANAC¹, Violeta MANGALAGIU²

¹"Alexandru Ioan Cuza" University of Iasi, Faculty of Chemistry

²"Alexandru Ioan Cuza" University of Iasi, Integrated Centre of Environmental Science Studies in the North Eastern Region

PI-25 Coumarin derivatives

Bianca-Iustina ANDREICA, Brindusa-Alina PETRE, Elena BICU, Dalila BELEI

"Alexandru Ioan Cuza" University of Iasi, Faculty of Chemistry

PI-26 Formylation of 7-(benzyloxy)-4-methyl-coumarin using Vilsmeier-Haack reagent

Alexandru ANISIEI, Brindusa-Alina PETRE, Elena BICU, Dalila BELEI

"Alexandru Ioan Cuza" University of Iasi, Faculty of Chemistry

Day 2

Friday, October 26th, Lecture Hall P3– Faculty of Chemistry

08³⁰-09⁰⁰ **Registration of the participants**
Lecture Hall P3 - Faculty of Chemistry

Session 1

Chairpersons: Assoc. Prof. Dalila BELEI
Assoc. Prof. Costel
MOLDOVEANU

PC-01 **Role of cross-linking in the design of polyelectrolyte layer-by-layer assemblies for loading/release of bioactive compounds**
09⁰⁰-09⁴⁰

Claudiu-Augustin GHIORGHITA, Florin BUCATARIU,
Ecaterina Stela DRAGAN
“Petru Poni” Institute of Macromolecular Chemistry

OC-08 **Bacteriorhodopsin – a key compound in Bioenergetics**
09⁴⁰-10⁰⁰

Gabi DROCHIOIU
“Alexandru Ioan Cuza” University of Iasi, Faculty of Chemistry

OC-09 **Characterization of novel carboxymethyl starch graft poly(lactic-co-glycolic acid) copolymers for possible biomedical applications**
10⁰⁰-10²⁰

Rodica-Denise LIPSA, Gabriela- Liliana AILIESEI, Alina DIACONU, Nita TUDORACHI, Anton AIRINEI
“Petru Poni” Institute of Macromolecular Chemistry

OC-10 **Acetylhydrazine bis-pyridazinones: NMR investigation of stereochemistry**
10²⁰-10⁴⁰

Dorina Amariuca-Mantu¹, Vasilichia Antoci¹, Catalina Ionica Ciobanu¹, Alina Nicolescu², Calin Deleanu², Ionel Mangalagiu¹
¹*“Alexandru Ioan Cuza” University of Iasi, Faculty of Chemistry*
²*“Petru Poni” Institute of Macromolecular Chemistry*

10⁴⁰-10⁵⁰ **„De la chimie la culoare, ipostaze florale” –
Expozitie de pictura**

Maricica ASTEFANOAIE

Alexandru Ioan Cuza High School, Iasi

10⁵⁰-11⁰⁰ **„Pierdut in amintiri” - Lansare carte**

Sandu CIBOTARU

“Alexandru Ioan Cuza” University of Iasi, Faculty of Chemistry

11⁰⁰-11³⁰ **Coffee Break – The Hall of the Echoing Footsteps**

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Session 2

Chairpersons: Assoc. Prof. Doina LUTIC

Assoc. Prof. Robert GRADINARU

OC-11 Atmospheric chemistry of benzoquinones

11³⁰-11⁵⁰

Iustinian BEJAN^{1,2}, Romeo-Iulian OLARIU^{1,2}, Ian BARNES³, Peter WIESEN³, John WENGER⁴

¹*“Alexandru Ioan Cuza” University of Iasi, Faculty of Chemistry*

²*“Alexandru Ioan Cuza” University of Iasi, Integrated Centre of Environmental Science Studies in the North Eastern Region*

³*Bergische Universität Wuppertal, Germany*

⁴*University College Cork, Department of Chemistry and Environmental Research Institute, Ireland*

OC-12 Photocatalytic degradation of Malachite green dye under visible light using polymeric films containing synthesized ZnO and ZnO-SnO₂ particles

11⁵⁰-12¹⁰

Viorica Elena PODASCA

“Petru Poni” Institute of Macromolecular Chemistry

OC-13 Reusing of copper(II)-loaded macroporous composite materials based on chitosan as catalysts in oxidative degradation of Methyl Orange

12¹⁰-12³⁰

Ionel Adrian DINU, Maria Marinela LAZAR, Maria Valentina DINU, Ecaterina Stela DRAGAN

“Petru Poni” Institute of Macromolecular Chemistry

OC-14 Photocatalytic materials used for p-nitroaniline reduction: hybrid metal-polymer composites vs metal-free materials

12³⁰-12⁵⁰

Andreea-Laura CHIBAC, Violeta MELINTE
“Petru Poni” Institute of Macromolecular Chemistry

OC-15
12⁵⁰-13¹⁰ **Structural studies of products obtained on the activation of thiosemicarbazone derivatives ligand with 3d transition metals**

Oleg PALAMARCIUC^{1,2}

¹Moldova State University, Chisinau, Republic of Moldova

²Polivalent-95 SRL, Chisinau, Republic of Moldova

13¹⁰-14³⁰ **Lunch Break**

Session 3

**Chairpersons: Assoc. Prof. Nicoleta CORNEI
Prof. Aurel PUI**

PC-2
14³⁰-15¹⁰ **Macroporous hydrogels: preparation, properties, and applications**

Maria Valentina DINU, Ecaterina Stela DRAGAN

“Petru Poni” Institute of Macromolecular Chemistry

OC-16
15¹⁰-15³⁰ **Donor-acceptor copolymers containing 3,6- or 2,7-disubstituted carbazole and perylene diimide-synthesis, characterization, photophysical and electrochemical properties**

Ana-Maria SOLONARU, Mircea GRIGORAS

“Petru Poni” Institute of Macromolecular Chemistry

OC-17
15³⁰-15⁵⁰ **Atomic force microscopy study of pore generation in thermostable polymers by addition of non-solvent or polymer additive**

Iuliana STOICA, Raluca Marinica ALBU, Andreea Irina BARZIC

“Petru Poni” Institute of Macromolecular Chemistry

OC-18
15⁵⁰-16¹⁰ **Synthesis and properties of some spin crossover materials based on Fe(II) and Fe(III)**

Tatiana PALAMARCIUC^{1,2}, Sergiu SHOVA³, Eugenia POPOVICI^{1,2,4}, Oleg PALAMARCIUC^{1,2}

¹Moldova State University, Chisinau, Republic of Moldova

²Polivalent-95 SRL, Chisinau, Republic of Moldova

³*“Petru Poni” Institute of Macromolecular Chemistry*

⁴*Academy of Sciences of Moldova, Institute of Chemistry, Chisinau, Republic of Moldova*

OC-19 **Chemically stable perovskites with developed surface for specific application**
16¹⁰-16³⁰

Adrian Iulian BORHAN¹, Magdalena GROMADA²

¹*“Alexandru Ioan Cuza” University of Iasi, Faculty of Chemistry*

²*Institute of Power Engineering, Ceramic Department CEREL, Boguchwała, Poland*

16³⁰-17⁰⁰ **Coffee Break – The Hall of the Echoing Footsteps**

Kober’s Video spots - Advertising Opportunities

17⁰⁰-18⁰⁰ **Poster Session II**

18¹⁵-18³⁰ **Awards for the best posters**

Closing remarks



POSTER SESSION II

Friday, October 26th - The Hall of the Echoing Footsteps

- PII-01 Kinetic study of the gas-phase reaction of OH radicals with 3-methyl-2-buten-1-ol at 298 K and atmospheric pressure**
Ana-Maria RUSU¹, Claudiu ROMAN¹, Cecilia ARSENE^{1,2}, Iustinian Gabriel BEJAN^{1,2}, Romeo-Iulian OLARIU^{1,2}
¹"Alexandru Ioan Cuza" University of Iasi, Faculty of Chemistry
²"Alexandru Ioan Cuza" University of Iasi, Integrated Centre of Environmental Science Studies in the North Eastern Region
- PII-02 Rate coefficients for the gas-phase OH radical initiated oxidation of 2,3,5-trimethylfuran and 2,3,4,5-tetramethylfuran in atmospheric conditions**
Claudiu ROMAN¹, Cecilia ARSENE^{1,2}, Romeo-Iulian OLARIU^{1,2}, Iustinian BEJAN^{1,2}
¹"Alexandru Ioan Cuza" University of Iasi, Faculty of Chemistry
²"Alexandru Ioan Cuza" University of Iasi, Integrated Center of Environmental Science Studies in the North Eastern Region
- PII-03 Physico-chemical parameters of honey from Iasi market (North-Eastern Romania)**
Aida ALBU^{1,2}, Ioan Mircea POP¹, Simona-Maria CUCU-MAN²
¹"Ion Ionescu de la Brad" University of Agricultural Sciences and Veterinary Medicine of Iasi, Faculty of Animal Sciences
²"Alexandru Ioan Cuza" University of Iasi, Faculty of Chemistry
- PII-04 Ultrasound-assisted synthesis of mesoporous titania for efficient adsorbents and photocatalysts obtaining**
Cristina COROMELCI, Elvira MAHU, Iuliean ASAFTEI, Doina LUTIC, Maria IGNAT
"Alexandru Ioan Cuza" University of Iasi, Faculty of Chemistry
- PII-05 Competition between ferromagnetism and spin glass: the key for large magnetoresistance in polycrystalline Ln_{0.65}Sr_{0.35}Mn_{1-x}TxO₃ (T = Co, Sc) manganites**
Nicoleta CORNEI¹, Carmen MITA¹, Mihail-Liviu CRAUS^{2,3}
¹"Alexandru Ioan Cuza" University of Iasi, Faculty of Chemistry
²Joint Institute for Nuclear Physics, Russia
³National Institute of Research and Development for Technical Physics
- PII-06 Synthesis and structure of manganese complex with N₁, N₅-bis-salicylidene-S-CH₃-isothiocarbohydrazone**
Eugenia POPOVICI^{1,2}, Tatiana PALAMARCIUC^{1,3}, Sergiu SHOVA⁴, Oleg PALAMARCIUC^{1,3}
¹Moldova State University, Chisinau, Republic of Moldova
²Academy of Sciences of Moldova, Institute of Chemistry, Chisinau, Republic of Moldova
³Polivalent-95 SRL, Chisinau, Republic of Moldova
⁴"Petru Poni" Institute of Macromolecular Chemistry

- PII-07 Synthesis and characterization of the copper(II) complexes of 4-methylimidazole-5-carbaldehyde thiosemicarbazone derivatives**
Elena STRATULAT¹, Sergiu SHOVA², Aurel PUI³, Vladimir ARION⁴, Angela SIRBU¹, Ion CORJA¹, Oleg PALAMARCIUC¹
¹Moldova State University, Faculty of Chemistry and Chemical Technology, Republic of Moldova²"Petru Poni" Institute of Macromolecular Chemistry
³"Alexandru Ioan Cuza" University of Iasi, Faculty of Chemistry
⁴University of Vienna, Faculty of Chemistry, Austria
- PII-08 Proton dissociation constants of 5-sulfonate-salicylaldehyde thiosemicarbazone derivatives**
Angela SIRBU, Oleg PALAMARCIUC
Moldova State University, Faculty of Chemistry and Chemical Technology, Republic of Moldova
- PII-09 Preliminary analysis of emulsions based on beeswax - rosemary oil used for manufacturing of value-added textiles for aromatherapy and skin care benefits**
Carmen ZAHARIA¹, Angela DANILA², Emil Ioan MURESAN³, Daniela SUTEU³
¹"Gheorghe Asachi" Technical University of Iasi, Faculty of Chemical Engineering and Environmental Protection, Department of Environmental Engineering and Management
²"Gheorghe Asachi" Technical University of Iasi, Faculty of Textiles, Leather and Industrial Management, Department of Textiles Chemical Finishing Processing
³"Gheorghe Asachi" Technical University of Iasi, Faculty of Chemical Engineering and Environmental Protection, Department of Organic, Biochemical and Food Engineering
- PII-10 Economical solutions for improvement of solids separation in wastewater treatment systems by integrated microscreening**
Carmen ZAHARIA
"Gheorghe Asachi" Technical University of Iasi, Faculty of Chemical Engineering and Environmental Protection, Department of Environmental Engineering and Management
- PII-11 Biosorbent based on nonliving biomass for textile dye retention from aqueous media**
Daniela SUTEU¹, Alexandra Cristina BLAGA¹, Carmen ZAHARIA², Luiza Ioana HORCIU¹
¹"Gheorghe Asachi" Technical University of Iasi, Faculty of Chemical Engineering and Environmental Protection, Department of Organic, Biochemical and Food Engineering
²"Gheorghe Asachi" Technical University of Iasi, Faculty of Chemical Engineering and Environmental Protection, Department of Environmental Engineering and Management
- PII-12 Structural changes of cerium doped copper ferrites during sintering process**
Tiberiu ROMAN^{1,2}, Marius ZAHARIA^{2,3}, Aurel PUI², Sergiu STANCIU¹
¹"Gheorghe Asachi" Technical University of Iasi, Faculty of Materials Science and Engineering
²"Alexandru Ioan Cuza" University of Iasi, Faculty of Chemistry
³"Ion Ionescu de la Brad" University of Agricultural Sciences and Veterinary Medicine, Faculty of Horticulture

- PII-13 The rheological study of some waterborne coatings**
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- PII-14 A new filler material from advanced capitalization of waste**
Liliana Genuta IVANICIUC¹, Daniel Mircea SUTIMAN¹, Gabriela CIOBANU¹, Olga KOTOVA², Consuelo GOMEZ DE CASTRO³, Maria HARJA¹
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- PII-15 Geopolymerization of power plant fly ash for heavy metals cementation**
Laura Andreea POPESCU¹, Ramona Carla CIOCINTA², Doina LUTIC³, Gabriela CIOBANU¹, Igor CRETESCU¹, Olga KOTOVA⁴, Maria HARJA¹
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- PII-16 Synthesis method of oxide nanomaterials for different applications**
Amalia Maria SESCU¹, Lidia FAVIER², Doina LUTIC³, Gabriela CIOBANU¹, Maria HARJA¹
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³*“Alexandru Ioan Cuza” University of Iasi, Faculty of Chemistry*
- PII-17 Synthesis and structure of new pyrrolo[1,2-a]quinoline and pyrrolo[2,1-a]isoquinoline derivatives**
Cristina M. AL MATARNEH^{1,2}, Ramona DANAC¹, Mircea O. APOSTU¹, Ionel MANGALAGIU¹
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- PII-18 Hydrophobic modified poly(maleic anhydride-alt-styrene) for the preparation of nanosized particles**
Irina Mihaela PELIN, Irina POPESCU, Dana Mihaela SUFLET
“Petru Poni” Institute of Macromolecular Chemistry
- PII-19 Composite based on poly(2,2-dimethyl trimethylene carbonate) derivative and calcium orthophosphate for bone tissue repair**
Irina Mihaela PELIN¹, Marta SOCKA², Adam MICHALSKI², Malgorzata BASKO², Fulga TANASA³
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Bioactive and Biocompatible Materials

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PII-20 Toward high quality carbon nanostructures: carbon dimers enrichment in excimer laser produced plasma

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PII-21 Composite materials based on poly (vinyl alcohol) cross-linked with cellulosic derivatives

Raluca Ioana BARON, Maria BERCEA, Gabriela BILIUTA, Madalina-Elena CULICA, Sergiu COSERI

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PII-22 Oxidation of polysaccharides using NHPI-based catalysts

Madalina-Elena CULICA, Raluca Ioana BARON, Gabriela BILIUTA, Sergiu COSERI

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PII-23 The synthesis of two new Cadmium MOFs with carboxylate linkers

Lucian G. BAHRAIN, Sergiu SHOVA, Alexandru ROTARU, Lilia CLIMA, Monica C. SARDARU, Narcisa L. MARANGOCI, Dana BEJAN

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PII-24 Photophysical properties of some isoquinoline derivatives

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PII-25 Effect of US regime on mesoporous titania properties

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