



ALEXANDRU IOAN CUZA
UNIVERSITY of IAȘI



FACULTY of CHEMISTRY

Conference Program



6th Edition

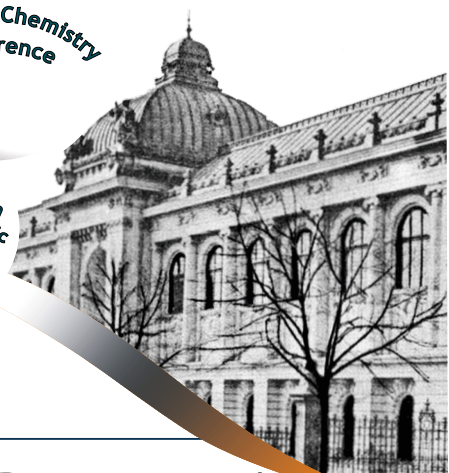


31 - 01
Oct Nov

2017-present
IasiCHEM
Conference

2013-2016
Faculty of Chemistry
Conference

1990-2012
Dies Academicæ in
Chemical Scientific
Communications



Oct 31-Nov 01, 2024 Iași, Romania

IasiCHEM 2024 Conference

6th Edition

Chair

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Co-Chairs

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Prof. Aurel PUI

Assoc. Prof. Alin Constantin DIRTU

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Assistant Prof. Dumitrelea DIACONU

Researcher 2 Laurentiu-Valentin SOROAGA

Researcher 2 Cornelia AMARANDEI

PhD Stud. Roxana CIORTEANU

Presentation time (discussion included)

- Invited Conference: 35 minutes
- Oral Communication: 15 minutes

Posters Program

- The author presenting the poster has to be present within the scheduled time for the contribution.
- The posters will be projected in a continuous cycle, in the indicated section room and the authors will be required to do a brief presentation of the results.
- After all presentation, a Q&A session will follow.

Scientific Program

Day 1

Thursday, 31 October, "Canta" House – "Ion Simionescu" Hall

13⁰⁰-13³⁰ **Registration**

13³⁰-13⁴⁵ **Welcome to IasiCHEM 2024**

Prof. Cecilia ARSENE
Prof. Romeo Iulian OLARIU
Prof. Ionel I. MANGALAGIU
Prof. Aurel PUI
Assoc. Prof. Alin Constantin DIRTU

13⁴⁵-14⁰⁰ **Science has no borders, but academia scientists respect the human value - A remember in the autumn colours of all those which are lightening the shadow in research**

In memoriam Acad. Bogdan SIMIONESCU, Prof. Ioan SARGHIE,
Prof. Cristian ENACHESCU

Session 1

"Ion Simionescu" Hall, 14⁰⁰-15⁴⁰

**Session chairs: Prof. Cecilia ARSENE
Assoc. Prof. Alin Constantin DIRTU
Researcher 2 Claudiu ROMAN**

IC-01 Towards more realistic experiments of atmospheric chemistry

14⁰⁰-14³⁵

Alexandre TOMAS¹

¹*IMT Nord Europe, Institut Mines Télécom, Lille University, Center for Energy and Environment, Douai, France*

IC-02 Antimicrobial and anticancer activity of some nitrogen heterocycles

14³⁵-15¹⁰

Ionel I. MANGALAGIU¹, Dumitrelea DIACONU^{1,2}, Violeta MANGALAGIU^{3,4}, Ramona DANAC¹, Dorina AMARIUCAI-MANTU¹, Vasilichia ANTOCI¹, Costel MOLDOVEANU¹, Gheorghita ZBANCIOC¹

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

²*"Alexandru Ioan Cuza" University of Iasi, RECENT AIR*

³*"Alexandru Ioan Cuza" University of Iasi, ICI-CERNESIM*

⁴*"Stefan cel Mare" University of Suceava, Faculty of Food Engineering*

OC-01
15¹⁰-15²⁵ **Photocatalytic activity of N-doped ZrO₂ thin films under UV light on the rhodamine B and methylene blue**

Nicoleta CORNEI¹, Carmen MITA¹, Mariana FRENTI², Diana MARDARE², Georgiana BULAI³, Marius DOBROMIR⁴

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

²"Alexandru Ioan Cuza" University of Iasi, Faculty of Physics

³"Alexandru Ioan Cuza" University of Iasi, ICI-CERNESIM

⁴"Alexandru Ioan Cuza" University of Iasi, ICI-RAMTECH

OC-02
15²⁵-15⁴⁰ **New composites for used motor oil retention**

Irina APOSTOL¹, Narcis ANGHEL¹, Iuliana SPIRIDON¹

¹"Petru Poni" Institute of Macromolecular Chemistry

15⁴⁰-16⁴⁰ Poster Session I and Coffee break

Session chairs: **Assoc. Prof. Dalila BELEI**
Researcher 2 Alina-Giorgiana NEGRU
Assistant Prof. Dumitrelea DIACONU
Researcher 2 Laurentiu-Valentin SOROAGA

Session 2

"Ion Simionescu" Hall, 16⁴⁰-18²⁰

Session chairs: **Prof. Aurel PUI**
Prof. Ramona DANAC
Assoc. Prof. Maria IGNAT

IC-03
16⁴⁰-17¹⁵ **Photochemical reactions in sunlit surface waters**

Davide VIONE¹

¹University of Turin, Department of Chemistry

IC-04
17¹⁵-17⁵⁰ **Green chemistry in a pharmaceutical context: focus on RAGE antagonists with potential antiaging properties**

Alina GHINET^{1,2}

¹Junia, Health and Environment Department, Laboratory of Sustainable Chemistry and Health

²University of Lille, Inserm, CHU Lille, Institut Pasteur Lille, U1167 - RID-AGE - Risk factors and molecular determinants of aging-related disease

OC-03
17⁵⁰-18⁰⁵ **Exploring RAGE ligands through td-DCC: HIT selection and bioisosteric optimization**

Anca-Elena DASCALU^{1,2}, Christophe FURMAN^{2,3}, Eric BOULANGER², Alina GHINET^{1,2}

¹Junia, Health and Environment Department, Laboratory of Sustainable Chemistry and Health

²University of Lille, Inserm, CHU Lille, Institut Pasteur Lille, U1167 - RID-AGE - Risk factors and molecular determinants of aging-related disease

³University of Lille, UFR Pharmacie

OC-04 **Total metal content evaluation by ICP-MS in size-resolved inhalable particulate matter from the atmosphere**
18⁰⁵-18²⁰

Laurentiu-Valentin SOROAGA^{1,2}, Cecilia ARSENE^{1,2,3}, Romeo-Iulian OLARIU^{1,2,3}

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³"Alexandru Ioan Cuza" University of Iasi, Faculty of Chemistry

18²⁰-20⁰⁰ **Dinner – "Canta" House Restaurant**

Day 2

Friday, November 01, "Canta" House – "Vespasian Pella" Hall

Session 3

"Vespasian Pella" Hall, 09⁰⁰-11¹⁵

Session chairs: **Prof. Ionel I. MANGALAGIU**
Prof. Romeo Iulian OLARIU
Prof. Doina HUMELNICU

IC-05 **Structural strategies to tailor polyimides towards stimuli-responsive chromic materials**
09⁰⁰-09³⁵

Mariana-Dana DAMACEANU¹

¹"Petru Poni" Institute of Macromolecular Chemistry, Electroactive Polymers and Plasmochemistry Department

IC-06 **Experimental and theoretical structural chemistry in the frame of ligand field paradigms. An old and evergreen field**
09³⁵-10¹⁰

Fanica CIMPOESU¹, Marilena FERBINTEANU²

¹Institute of Physical Chemistry, Bucharest

²University of Bucharest, Faculty of Chemistry

OC-05 **Study of the atmospheric degradation of selected organic solvents**
10¹⁰-10²⁵

Claudiu ROMAN^{1,2}, Alina-Giorgiana NEGRU^{1,2}, Cornelia NITA^{1,2}, Cecilia ARSENE^{1,2,3}, Iustinian Gabriel BEJAN^{2,3}, Romeo-Iulian OLARIU^{1,2,3}

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OC-06 Proteomic analysis of hJTB protein in MCF7 breast cancer cell line
10²⁵-10⁴⁰

Brindusa Alina PETRE^{1,2,3}, Madhuri JAYATHIRTA², Costel. C. DARIE²

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

²Clarkson University, Biochemistry & Proteomics Laboratories, Department of Chemistry & Biomolecular Science

³Regional Institute of Oncology TRANSCEND Center Iasi

IC-07 Getting to know some of the key unknowns in atmospheric chemistry
10⁴⁰-11¹⁵

Max R. McGILLEN¹

¹CNRS-Orléans, Institut de Combustion Aérothermique Réactivité et Environnement (ICARE)

11¹⁵-12¹⁵ Poster Session II and Coffee break

Session chairs: Assoc. Prof. Dalila BELEI
Researcher 2 Alina-Giorgiana NEGRU
Assistant Prof. Dumitrelea DIACONU
Researcher 2 Laurentiu-Valentin SOROAGA

Session 4.1

"Vespasian Pella" Hall, 12¹⁵-13³⁰

Session chairs: Prof. Costel MOLDOVEANU
Assoc. Prof. Brindusa-Alina PETRE
Assoc. Prof. Simona Maria CUCU-MAN

OC-07 Pioneering in-operando water splitting by Al-doped SrTiO₃ catalyst
12¹⁵-12³⁰

Adrian Iulian BORHAN¹, Daniel GHERCA², Marius-Adrian HUSANU³, Camelia Nicoleta BORCA⁴, Ioana RADU¹, Aurel PUI¹

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

²National Institute of Research and Development for Technical Physics

³National Institute of Materials Physics

⁴"Paul Scherrer" Institut, Swiss Light Source

OC-08 Drug delivery systems with antimicrobial and anticancer activity based on imino-chitosan hydrogels
12³⁰-12⁴⁵

Daniela AILINCAI¹, Luminita MARIN¹

¹"Petru Poni" Institute of Macromolecular Chemistry

OC-09 **Synthesis and characterization of some dextran-ZnPc derivatives systems**
12⁴⁵-13⁰⁰

Stefan ROBU¹, Ion LUNGU¹, Tamara POTLOG¹, Radu I. TIGOIANU², Anton AIRINEI²

¹Moldova State University, Laboratory of Organic/Inorganic Materials for Optoelectronics

²"Petru Poni" Institute of Macromolecular Chemistry, Laboratory of Physical Chemistry of Polymers

OC-10 **Obtaining polymer microspheres through pickering emulsion polymerization technology**
13⁰⁰-13¹⁵

Oana-Iuliana NEGRU¹, Andrei HONCIUC¹, Mirela HONCIUC¹, Ana-Maria SOLONARU¹

¹"Petru Poni" Institute of Macromolecular Chemistry

OC-11 **Nanostructured caseinate electrospun fibers with encapsulated bioactive plant extracts**
13¹⁵-13³⁰

Raluca Petronela DUMITRIU¹, Elena STOLERU¹, Mihai BREBU¹

¹"Petru Poni" Institute of Macromolecular Chemistry, Physical Chemistry of Polymers Laboratory

Session 4.2

"Vespasian Pella" Hall, 13³⁰-14¹⁵

Session chairs: **Assoc. Prof. Nicoleta CORNEI**
Assoc. Prof. Dorina AMARIUCAI-MANTU
Assoc. Prof. Ionel HUMELNICU

OC-12 **Synthesis of 2-(9H-fluoren-9-ylidene)-N-(pyridin-2-yl)hydrazine-1-carbothioamides with antimicrobial properties**
13³⁰-13⁴⁵

Andrei CIURSIN¹, Roman RUSNAC¹, Ion BULIMESTRU¹, Luiza Ioana GAINA²

¹Moldova State University, Faculty of Chemistry and Chemical Technology

²Babes-Bolyai University, Faculty of Chemistry and Chemical Engineering

OC-13 **UV irradiated chitosan-gelatin xerogels with ability for entrapment of hydrophobic bioactive compounds**
13⁴⁵-14⁰⁰

Daniela PAMFIL¹, Elena STOLERU¹, Mihai BREBU¹, Raluca Petronela DUMITRIU¹, Elena BUTNARU¹

¹"Petru Poni" Institute of Macromolecular Chemistry, Physical Chemistry of Polymers Laboratory

OC-14 **Design and evaluation of a novel plant-based yoghurt using
14⁰⁰-14¹⁵ response surface methodology**

Cristina POPOVICI¹, Xin Mei TENG², Ravi JADEJA²

¹*Technical University of Moldova, Faculty of Food Technology, Department
of Food and Nutrition*

²*Oklahoma State University, Department of Animal and Food Sciences &
Robert M. Kerr Food and Agricultural Products Center*

14¹⁵-14⁴⁵ Concluding remarks

POSTER SESSION I

Thursday, October 31, 15⁴⁰-16⁴⁰

Section P₁-I - "Vasile Arvinte" Hall

Section chair

Researcher 2 Alina-Giorgiana NEGRU

P₁-I-1 Relationship between oxidative stability and SO₂ technological doses in Chardonnay and Feteasca Regala white wines

Ecaterina COVACI¹, Natalia VLADEI¹, Valeria DAMASCHIN¹

¹Technical University of Moldova, Faculty of Food Technology, Department of Oenology and Chemistry

P₁-I-2 Amino acid profile of light and dark brewer's spent grains as a novel food ingredient

Aliona GHENDOV-MOSANU¹, Olesea SAITAN¹, Ruslan TARNA¹, Iurie RUMEUS², Georgiana Gabriela CODINA³

¹Technical University of Moldova, Department of Food Technology

²"Bogdan Petriceicu Hasdeu" State University of Cahul, Department of Engineering and Applied Sciences

³"Stefan cel Mare" University, Department of Food Technologies, Safety of Food Production and the Environment

P₁-I-3 Agro-industrial waste-based thermoplastic composites for structural applications

Fulga TANASA¹, Ioana-Alexandra DUCEAC¹

¹"Petru Poni" Institute of Macromolecular Chemistry, Department of Polyaddition and Photochemistry

P₁-I-4 Photodegradation efficiency and kinetics of Rhodamine B and Methylene blue using ZrO₂-xNy thin film photocatalyst

Carmen MITA¹, Nicoleta CORNEI¹, Mariana FRENTI², Diana MARDARE², Georgiana BULAI³, Marius DOBROMIR⁴

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

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⁴"Alexandru Ioan Cuza" University of Iasi, ICI-RAMTECH

P₁-I-5 Efficient removal of Hg(II) from aqueous systems by different composite sorbents: experimental and theoretical studies

Doina HUMELNICU¹, Claudiu-Augustin GHIORGHITA², Ecaterina Stela DRAGAN², Ionel HUMELNICU¹

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

²"Petru Poni" Institute of Macromolecular Chemistry

P₁-I-6 Polyelectrolyte complex composite cryogels with simultaneous removal capability of multiple contaminants from aqueous media

Claudiu-Augustin GHIORGHITA¹, Doina HUMELNICU², Maria Valentina DINU¹, Ecaterina Stela DRAGAN¹

¹"Petru Poni" Institute of Macromolecular Chemistry

²"Alexandru Ioan Cuza" University of Iasi, Faculty of Chemistry

P₁-I-7 Thermodynamic analysis of buffering capacity in soil systems: impact on environmental stress adaptation

Igor POVAR¹, Oxana SPINU¹

¹ *Moldova State University, Institute of Chemistry*

P₁-I-8 Measurements of traffic-dominated pollutant emissions in the urban area of Iasi using the PRO TRACE 02 mobile laboratory

Alina-Giorgiana NEGRU^{1,2}, Cornelia NITA^{1,2}, Claudiu ROMAN^{1,2},
Laurentiu-Valentin SOROAGA^{1,2}, Romeo-Iulian OLARIU^{1,2,3}, Cecilia
ARSENE^{1,2,3}

¹ *"Alexandru Ioan Cuza" University of Iasi, RECENT AIR*

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Section P₁-II - "Vespasian Pella" Hall

Section chair

Assistant Prof. Dumitrelea DIACONU

P₁-II-1 The photochemical behavior of softwood treated with epoxidized vegetable oil

Liliana ROSU¹, Cristian-Drăgos VARGANICI¹, Leonard IGNAT¹, Dan
ROSU¹, Maurusa-Elena IGNAT¹

¹ *"Petru Poni" Institute of Macromolecular Chemistry, Centre of Advanced Research in
Bionanoconjugates and Biopolymers*

P₁-II-2 Vegetable oil-based epoxy resins. A thermal study

Cristian-Drăgos VARGANICI¹, Liliana ROSU¹, Leonard IGNAT¹, Dan
ROSU¹, Maurusa-Elena IGNAT¹

¹ *"Petru Poni" Institute of Macromolecular Chemistry, Centre of Advanced Research in
Bionanoconjugates and Biopolymers*

P₁-II-3 Huisgen [3 + 2] dipolar cycloadditions of quinolinium ylides to symmetric and non-symmetric activated dipolarophiles

Camelia-Georgiana MARANDIS^{1,2}, Dorina AMARIUCAI-MANTU¹,
Vasilichia ANTOCI¹, Dumitrelea DIACONU^{1,3}, Catalina-Ionica
CIOBANU⁴, Ionel I. MANGALAGIU¹, Marcela MIHAI²

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

² *"Petru Poni" Institute of Macromolecular Chemistry, Department of Functional Polymers*

³ *"Alexandru Ioan Cuza" University of Iasi, RECENT AIR*

⁴ *"Alexandru Ioan Cuza" University of Iasi, ICI-CERNESIM*

P₁-II-4 Novel fused pyrrole derivatives: synthesis and anticancer evaluation

Roxana CIORTEANU^{1,4}, Catalina-Ionica CIOBANU², Monica
SARDARU³, Ionel I. MANGALAGIU¹, Ramona DANAC¹

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

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³ *"Petru Poni" Institute of Macromolecular Chemistry*

⁴ *"Alexandru Ioan Cuza" University of Iasi, RECENT AIR*

P₁-II-5 Adsorbents and their role in retaining active pharmaceutical molecules from aqueous environments

Diana HANGANU¹, Doina LUTIC², Lidia FAVIER³, Maria HARJA¹

¹ *"Gheorghe Asachi" Technical University, Faculty of Chemical Engineering and Environmental
Protection*

²"Alexandru Ioan Cuza" University of Iasi, Faculty of Chemistry

³University of Rennes, Ecole Nationale Supérieure de Chimie de Rennes, CNRS

P₁-II-6 Synthesis and characterization of novel double network cryogels based on xanthan gum and lignin

Andreea-Catalina CALANCEA¹, Doina HUMELNICU¹, Maria Marinela LAZAR², Irina Elena RASCHIP², Maria Valentina DINU²

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

²"Petru Poni" Institute of Macromolecular Chemistry, Department of Functional Polymers

P₁-II-7 Unique properties and uses of hydrogen peroxide

Gheorghe DUCA¹, Lidia ROMANCIUC¹, Olga COVALIOVA¹, Marius ANDRUH², Simona NICA²

¹Moldova State University, Institute of Chemistry, Laboratory of Physical and Quantum Chemistry

²"Costin D. Nenitescu" Institute of Organic and Supramolecular Chemistry

P₁-II-8 Sustainable recovery of valuable components from e-wastes

Stefan-Leontin MARTINAS-IONITA¹, Gabriela Antoaneta Apostolescu¹, Maria Harja¹

¹"Gheorghe Asachi" Technical University, Faculty of Chemical Engineering and Environmental Protection

Section P₁-III - "Irineu Mihălcescu" Hall

Section chair Researcher 2 Laurentiu-Valentin SOROAGA

P₁-III-1 Ultrasound irradiation: application in synthesis of new hybrid azaheterocyclic compounds by click chemistry

Vasilichia ANTOCI¹, Dorina AMARIUCAI-MANTU¹, Dumitrelea DIACONU^{1,2}, Ramona DANAC¹, Catalina-Ionica CIOBANU³, Violeta MANGALAGIU³, Ionel I. MANGALAGIU^{1,3}

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P₁-III-2 Tailored monodisperse magnetite nanoparticles with low-cobalt doping for improved MRI contrast

Mirela NISTOR^{1,2}, Vera BALAN^{1,3}, Aurel PUI², Camelia Mihaela ZARA-DANCEANU^{1,4}, Daniel GHERCA⁴, Cristina Mariana URITU⁵, Raluca-Maria FRATILA⁶, Rares-Ionut STIUFIUC^{1,7}, Brindusa DRAGOI^{1,2}

¹Regional Institute of Oncology, Nanotechnology Laboratory, TRANSCEND Department

²"Alexandru Ioan Cuza" University of Iasi, Faculty of Chemistry

³Grigore T. Popa University of Medicine and Pharmacy of Iasi, Biomedical Sciences Department, Faculty of Medical Bioengineering

⁴National Institute of Research and Development for Technical Physics

⁵Grigore T. Popa University of Medicine and Pharmacy, Advanced Centre for Research-Development in Experimental Medicine

⁶University of Zaragoza, Institute of Material Science of Aragón, Bionanosurf Group

⁷"Iuliu Hatieganu" University of Medicine and Pharmacy, Faculty of Pharmacy, Department of Pharmaceutical Physics-Biophysics

P₁-III-3 New 1,10-phenanthroline based derivatives: synthesis and biological evaluation

Daniela FILIPIUC¹, Andreea DANILA¹, Catalina-Ionica CIOBANU², Roxana CIORTEANU^{1,3}, Ionel I. MANGALAGIU¹, Ramona DANAC¹

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³"Alexandru Ioan Cuza" University of Iasi, RECENT AIR

P₁-III-4 **Co₃₀Pt₇₀ Alloy bi-functional catalyst for methanol oxidation reaction and 4-nitrophenol reduction**

Gabriela BUEMA¹, Luiza-Camelia RACILA (BUDEANU)¹, Firuta BORZA¹, Gabriel ABABEI¹, George STOIAN¹, Ibro TABAKOVIC², Nicoleta LUPU¹, Horia CHIRIAC¹, Oana-Georgiana DRAGOS-PINZARU¹

¹National Institute of Research and Development for Technical Physics

²University of Minnesota, ECE Department

P₁-III-5 **Quantification of vitamin B₆ using ESI-MS/MS mass spectrometry**

Maria KOZHEMYAKO¹, Oana PINTILIE², Brindusa Alina PETRE¹

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

²Investigatii medicale PRAXIS Iasi

P₁-III-6 **Manganese doped carbon dots: synthesis and fluorescence properties**

Lucian BAHRAIN¹, Dana BEJAN¹, Andrei DASCALU¹

¹"Petru Poni" Institute of Macromolecular Chemistry, Intelcentru

P₁-III-7 **Alternative animal protein sources recommended in food production**

Natalia NETREBA¹, Mihail MAZUR¹, Aliona GHENDOV-MOSANU¹, Viorica BULGARU¹

¹Technical University of Moldova, Food Technology Faculty

P₁-III-8 **Selected ion flow tube mass spectrometry investigation of volatile compounds emitted by microorganisms of atmospheric origin**

Cristina IANCU^{1,2}, Cornelia NITA^{2,3}, Alina-Giorgiana NEGRU^{2,3}, Romeo-Iulian OLARIU^{1,2,3}, Cecilia ARSENE^{1,2,3}

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POSTER SESSION II

Friday, November 01, 11¹⁵-12¹⁵

Section P_{II-I} - "Vasile Arvinte" Hall – Room 1

Section chair Researcher 2 Alina-Giorgiana NEGRU

- P_{II-I-1} Polymer networks based on formylated polysulfone and chitosan: preparation and characterization**
Oana DUMBRAVA¹, Daniela AILINCAI¹, Daniela RUSU¹, Andrei DASCALU¹, Luminita MARIN¹
¹"Petru Poni" Institute of Macromolecular Chemistry
- P_{II-I-2} Photophysics of Y₂O₃ NP-ZnPc(COOH)₄ conjugated systems**
Tamara POTLOG¹, Ion LUNGU¹, Alexandrina DRUTA¹
¹Moldova State University, Laboratory of Organic/Inorganic Materials for Optoelectronics
- P_{II-I-3} Encapsulation of silver nanoparticles in chondroitin in the presence of reducing agents glucose and sodium citrate**
Lidia GHIMPU¹, Victor SUMAN¹, Ionut Radu TIGOIANU², Anton AIRINEI²
¹Technical University of Moldova, Institute of Electronic Engineering and Nanotechnologies
²"Petru Poni" Institute of Macromolecular Chemistry, Laboratory of Physical Chemistry of Polymers
- P_{II-I-4} Optimization of the synthesis reactions for some acyl-derivatives based on L-glutamine**
Anastasia Andrada DOROHOI¹, Radita APARASCHIVEI², Delia GREBINISAN³, Dana Ortansa DOROHOI⁴, Dan-Gheorghe DIMITRIU⁴, Corina CHEPTEA⁵
¹"Ion Ionescu de la Brad" University of Life Sciences, Faculty of Food and Animal Sciences
²"Alexandru Ioan Cuza" Secondary School
³"Garabet Ibraileanu" School
⁴"Alexandru Ioan Cuza" University of Iasi, Faculty of Physics
⁵"Grigore T. Popa" University, Medical Bioengineering Faculty
- P_{II-I-5} Solvatochromic study of some zwitterionic compounds**
Corina CHEPTEA¹, Antonina GRITCO-TODIRASCU², Dan Gheorghe DIMITRIU³, Dana Ortansa DOROHOI³
¹"Grigore T. Popa" University, Medical Bioengineering Faculty
²Ion Creangă Gymnazial School
³"Alexandru Ioan Cuza" University of Iasi, Faculty of Physics
- P_{II-I-6} Titanium dioxide based composite materials with antibacterial properties**
Timeea-Anastasia CIOBANU¹, Diana SERBEZEANU², Cristina Mihaela RIMBU³, Ioana RADU¹, Felicia GHEORGHIU⁴, Georgiana BULAI⁵, Mihai Alexandru CIOLAN⁴, Mirela AIRIMIOAEI¹
¹"Alexandru Ioan Cuza" University of Iasi, Faculty of Chemistry
²"Petru Poni" Institute of Macromolecular Chemistry
³University of Life Sciences Iasi, Department of Public Health
⁴"Alexandru Ioan Cuza" University of Iasi, ICI-RAMTECH
⁵"Alexandru Ioan Cuza" University of Iasi, ICI-CERNESIM

P_{II-I-7} Design of biocompatible chitosan nanofibers for wound healing
Ramona LUNGU¹, Alexandru ANISIEI¹, Irina ROSCA¹, Andreea-Isabela SANDU¹, Daniela AILINCAI¹, Luminita MARIN¹
¹"Petru Poni" Institute of Macromolecular Chemistry

P_{II-I-8} A novel deoxycolyl-tryptophan conjugate: synthesis and characterization
Andra-Diana GOCIU¹, Brindusa Alina PETRE^{1,2}, Dumitrelea DIACONU^{1,3}, Vasile Robert GRADINARU¹
¹"Alexandru Ioan Cuza" University of Iasi, Faculty of Chemistry
²Regional Institute of Oncology, TRANSCEND Center Iasi
³"Alexandru Ioan Cuza" University of Iasi, RECENT AIR

Section P_{II-II} - "Vasile Arvinte" Hall – Room 2

Section chair

Assistant Prof. Dumitrelea DIACONU

P_{II-II-1} Unexpected cyclization of phthalazinium quaternary salt in the presence of hydrazine hydrate
Marius SAVU¹, Vasilichia ANTOCI¹, Dorina AMARIUCAI-MANTU¹, Dumitrelea DIACONU^{1,2}, Catalina-Ionica CIOBANU³, Ionel I. MANGALAGIU^{1,3}

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

²"Alexandru Ioan Cuza" University of Iasi, RECENT AIR

³"Alexandru Ioan Cuza" University of Iasi, ICI-CERNESIM

P_{II-II-2} Innovative dual-tailed sulfonyl-pyrrolone linked compounds as promising anticancer agents

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³"Gheorghe Asachi" Technical University of Iasi, "Cristofor Simionescu" Faculty of Chemical Engineering and Environmental Protection

P_{II-II-3} Solvatochromic analysis of Triton X-100 binary mixtures

Ecaterina AMBROSI¹, Alexandru ZARA¹, Dana Ortansa DOROHOI¹, Dan-Gheorghe DIMITRIU¹

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P_{II-II-4} Synthesis, characterization and application of luminol in forensic chemistry

Ema-Nicoleta CIRLAN¹, Vasile Robert GRADINARU¹

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P_{II-II-5} Synthesis of some thiosemicarbazones with the acetanilide fragment

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P_{II-II-6} Linear birefringence of thin anisotropic layers estimated based on the light polarization ellipse

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P_{II-II-7} Excited state dipole moment of molecules with visible absorption spectra, estimated by variational method

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P_{II-II-8} Binary and ternary solutions of iso-quinolinium dicarbethoxy methylyde studied by spectral methods

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Section P_{II-III} - "Irineu Mihălcescu" Hall

Section chair

Researcher 2 Laurentiu-Valentin SOROAGA

P_{II-III-1} Chromatographic analysis and toxicity evaluation of *Iris Pseudacorus* extracts

Maria Daniela MIHAILA (IONICA)¹, Andreea Veronica BOTEZATU¹, Anna BUSUIOC¹, Bianca FURDUI¹, Rodica Mihaela DINICA¹

¹"Dunărea de Jos University" of Galati, Department of Chemistry, Physics and Environment

P_{II-III-2} Determination of alkaloids of therapeutic interest from *Piper* species by HPTLC method and evaluation of their properties

Anna BUSUIOC¹, Andreea-Veronica BOTEZATU¹, Maria Daniela MIHAILA (IONICA)¹, Bianca FURDUI¹, Rodica Mihaela DINICA¹

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P_{II-III-3} Synthesis and characterization of new imidazole derivatives containing flexible siloxane sequences

Elena-Diana ROTARU¹, Mirela-Fernanda ZALTARIOV², Mihaela BALAN-PORCARASU², Mihaela AVADANEI², Alexandra BARGAN², Maria CAZACU², Dorina AMARIUCAI-MANTU¹

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P_{II-III-4} Electronic properties and photocatalytic activity of FeOOH loaded onto Al_{3%}:SrTiO₃ photocatalyst

Ioana RADU¹, Adrian Iulian BORHAN^{1,2}, Daniel GHERCA^{1,2}, Dana Georgeta POPESCU³, Camelia Nicoleta BORCA⁴, Thomas HUTHWELKER⁴, Marius-Adrian HUSANU³, Aurel PUI¹

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P_{II-III-5} Study of the C-alkylation reaction for 1-benzylmethyl-4-hydroxymethyl-1,2,3-triazole

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P_{II-III-6} The reaction of N-phenacyl-pyridinium bromides with asymmetric olefinic dipolarophile

Madalina-Roxana BIRTEA¹, Elena BICU¹, Sergiu SHOVA², Dalila BELEI¹

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P_{II-III-7} Texture and sensory attributes development in plant-based cheese-like alternatives from walnuts (*Juglans regia L.*)

Cristina POPOVICI¹, Viorica BULGARU²

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P_{II-III-8} Obtaining sea buckthorn fruit powder as a potential pharmaceutical raw material

Vladislav BLONSCHI¹, Carolina GRIGORAS¹, Gheorghe DUCA², Simona NICA³, Crina VICOL²

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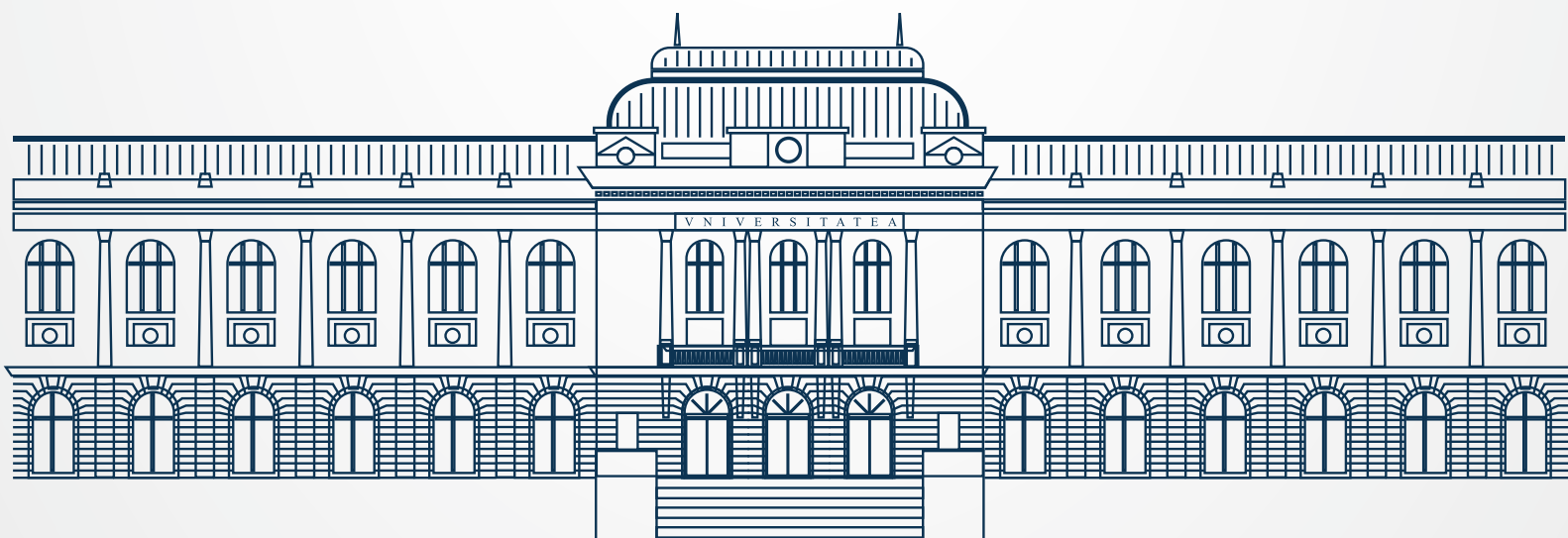


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