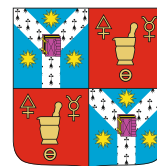




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UNIVERSITY of IAȘI



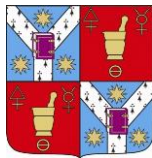
FACULTY of CHEMISTRY

Conference Program



3rd
Edition

31 Oct-01 Nov 2019, Iasi, Romania



31st October - 01st November 2019
Iasi, Romania



IasiCHEM 2019

Faculty of Chemistry Conference

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Lecturer Maria IGNAT

Lecturer Dan MAFTEI

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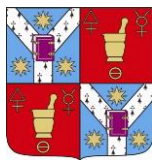
Lecturer Vasilichia ANTOCI

Lecturer Rodica Liliana BUHACEANU

Phd. Stud. Cornelia AMARANDEI

Master Stud. Roxana CIORTEANU

Admin. Eng. Vasile VATRA



31st October - 01st November 2019
Iasi, Romania





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31st October - 01st November 2019
Iasi, Romania



Presentation time (discussion included)

- Invited and 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, 31st October, morning during the registration time from 9³⁰ to 10⁰⁰, and will be removed Thursday after 19⁰⁰.
- Posters contributions from Session II will be placed on the poster panel Friday, 01st November, morning from 8³⁰ to 9⁰⁰ and will be removed Friday after 17⁰⁰.
- Presence of authors is required.



31st October - 01st November 2019
Iasi, Romania



Conference Program

Day 1

Thursday, 31st October, FERDINAND Conference Room

09³⁰-10⁰⁰ **Registration of the participants**

**Chairpersons: Prof. Cecilia ARSENE
Prof. Ionel MANGALAGIU**

10⁰⁰-10⁵⁰ **Opening Ceremony**
Our Professors - Celebration Moment
Celebration of Student Academic Excellence

10⁵⁰-11⁰⁰ **Nobel Prize for Chemistry 2019**
Daniela DIRTU
“Alexandru Ioan Cuza” University of Iasi, Faculty of Chemistry

Session 1

FERDINAND Conference Room

IC-01 Inorganic stabilizers for the improving oxidation strength of polymer materials

11⁰⁰-11⁴⁰

Traian ZAHARESCU

National Institute for Research and Development in Electrical Engineering ICPE-CA (INCDIE ICPE-CA) Bucharest, Romania

OC-01 Efficient heavy metal removal from industrial photo-etching wastewaters by ion-imprinted cryogels

11⁴⁰-12⁰⁰

Maria Marinela LAZAR¹, Doina HUMELNICU², Ionel Adrian DINU¹, Maria Valentina DINU¹

¹*“Petru Poni” Institute of Macromolecular Chemistry*

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

12⁰⁰-14⁰⁰ **Lunch – The Hall of the Echoing Footsteps**



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Session 2

FERDINAND Conference Room

Chairpersons: Prof. Romeo-Iulian OLARIU

Prof. Aurel PUI

PC-01 Five and six member ring nitrogen heterocyclic: chemistry and practical applications
14⁰⁰-14⁴⁰

Vasilichia ANTOCI¹, Dorina AMARIUCAI-MANTU¹, Violeta MANGALAGIU², Ramona DANAC¹, Costel MOLDOVEANU¹, Gheorghita ZBANCIOC¹, Ionel I. 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

OC-02 Influence of dextran hydrogel characteristics on adsorption capacity for anionic dyes
14⁴⁰-15⁰⁰

Magdalena-Cristina STANCIU, Marieta NICHIFOR

“PetruPoni” Institute of Macromolecular Chemistry

OC-03 Decay resistance of beech wood against white rot fungus
15⁰⁰-15²⁰

Amir GHAVIDALESFAHLAN¹, Ion SANDU^{1,2}, Viorica VASILACHE³

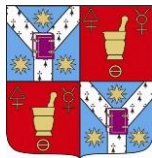
¹“Alexandru Ioan Cuza” University of Iasi, Faculty of Geography and Geology

²Romanian Inventors Forum, Iasi, Romania

³“Alexandru Ioan Cuza” University of Iasi, Institute of Interdisciplinary Research, ARHEOINVEST Centrum, Iasi, Romania

15²⁰-16³⁰ **Coffee Break – The Hall of the Echoing Footsteps**

Poster Session I (PI) – The Hall of the Echoing Footsteps



Session 3

Lecture Hall P3 – Faculty of Chemistry

Chairpersons: Prof. Alexandra Raluca IORDAN

Assoc. Prof. Costel MOLDOVEANU

PC-02 Hypoxia-inducible factors, oxygen-dependent proteolysis, cachexia, respiratory and pH imbalance in carcinogenesis
16³⁰-17¹⁰

Gabi DROCHIOIU

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

OC-04 Microwave assisted reactions of pyrrolodiazine compounds as potential fluorescent biological markers
17¹⁰-17³⁰

Gheorghita ZBANCIOC¹, Costel MOLDOVEANU¹, Catalina CIOBANU¹, Vasilichia ANTOCI¹, Violeta MANGALAGIU², Dorina AMARIUCAI-MANTU¹, Ionel I. MANGALAGIU¹

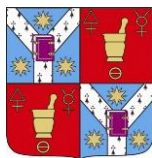
¹*„Alexandru Ioan Cuza” University of Iasi, Faculty of Chemistry*

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

17³⁰-19⁰⁰ **Coffee Break – The Hall of the Echoing Footsteps**

Poster Session I (PI) – The Hall of the Echoing Footsteps

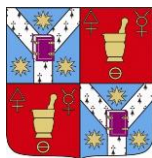
- Note:**
- IC – invited conference
 - PC – plenary conference
 - OC – oral communication
 - PI/PII – poster session I and poster session II



POSTER SESSION I

Thursday, 31st October – The Hall of the Echoing Footsteps

- PI-01 Advanced capitalization of hazardous wastes by a viable technology**
Oana-Maria AGAVRILOAIE¹, Iulian CUCOS², Maria HARJA¹
¹*“Gheorghe Asachi” Technical University of Iasi, Faculty of Chemical Engineering and Environmental Protection, Department of Chemical Engineering*
²*“Gheorghe Asachi” Technical University of Iasi, Faculty of Civil Hydrotechnics, Geodesy & Environmental Engineering*
- PI-02 Characterization of phenolic biomass burning molecular tracers in size-resolved atmospheric aerosols**
Cornelia AMARANDEI¹, Alina Giorgiana GALON (NEGRU)^{1,2},
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 Center of Environmental Science Studies in the North Eastern Region*
- PI-03 Spectrophotometric and voltammetric characterization of medicinal plants alcoholic extracts**
Fanica BALANESCU, Andreea Veronica BOTEZATU (DEDIU),
Geta CARAC, Rodica Mihaela DINICA
“Dunarea de Jos” University of Galati, Department of Chemistry, Physics and Environment
- PI-04 Current research on investigation, preservation and restoration of archival heritage**
Maria BOUTIUC (HAULICA)^{1,2}, Oana Florescu^{1,3}, Viorica Vasilache⁴, Ion Sandu^{1,4}
¹*“Alexandru Ioan Cuza” University of Iasi, Faculty of Geography and Geology*
²*County Service of the National Archives Iasi, Romania*
³*“Poni – Cernatescu” Museum of Iasi, Romania*
⁴*“Alexandru Ioan Cuza” University of Iasi, Institute of Interdisciplinary Research, ARHEOINVEST Centrum, Romania*
- PI-05 Influence of pine oil (*Pinus Halepensis*) on synaptic plasticity by evaluation the nitro-oxidative stress in rats (*Rattus norvegicus*) with Alzheimer**
Cosmin Ștefan MOCANU^{1,2}, Lucian Dragoș GORGAN¹, Brandusa Alina PETRE²
¹*“Alexandru Ioan Cuza” University of Iasi, Faculty of Biology*
²*“Alexandru Ioan Cuza” University of Iasi, Faculty of Chemistry*
- PI-06 Synthesis of new materials on the base of zinc for organic compound removal**
Andreea ENACHI¹, Doina LUTIC², Gabriela CIOBANU¹, Consuelo Gómez de CASTRO³, Ramona Elena TATARU-FARMUS¹, Maria HARJA¹
¹*“Gheorghe Asachi” Technical University of Iasi, “Cristofor Simionescu” Faculty of Chemical Engineering and Environmental Protection*
²*“Alexandru Ioan Cuza” University of Iasi, Faculty of Chemistry*
³*University of Madrid, Faculty of Chemical Science, Madrid, Spain*



PI-07 Promoting the “Poni – Cernatescu” Museum by organizing museum pedagogy workshops

Oana FLORESCU^{1,2}, Maria BOUTIUC (HAULICA)^{1,3}, Viorica VASILACHE⁴, Ion SANDU^{4,5}

¹“Alexandru Ioan Cuza” University of Iasi, Faculty of Geography and Geology

²“Poni – Cernatescu” Museum of Iasi, Romania

³County Service of the National Archives Iasi, Romania

⁴“Alexandru Ioan Cuza” University of Iasi, Institute of Interdisciplinary Research, ARHEOINVEST Centrum

⁵Romanian Inventors Forum, Iasi, Romania

PI-08 The use of cationic clays modified with Boltorn-type dendrimers, H20, H30, and H40 in the removal of polyphenolic compounds

Andreea HORTOLOMEU¹, Diana-Carmen MIRILA,¹ Madalina Stefania PÎRVAN¹, Ileana Denisa NISTOR¹, Rodica STURZA², Ecaterina COVACI², Scutaru IURIE²

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

²Technical University of Moldova, Faculty of Food Technology, Chisinau, Republic of Moldova

PI-09 Ionic channels involved in biomimetic processes

Cristina-Smarandita ION¹, Ramona DANAC¹, Mihail-Dumitru BARBOIU²

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

²University of Montpellier, European Institute of Membranes

PI-10 Synthesis of new 1,2,4-triazole based derivatives

Cristina JEGU, Monica SARDARU, Catalina CIOBANU, Ramona DANAC

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

PI-11 Synthesis and characterization of new lanthanide coordinated polymers

Monica Cornelia SARDARU^{1,2}, Lucian Gabriel BAHNIN¹, Alexandru ROTARU¹, Sergiu SHOVA¹, Vasile LOZAN^{1,3}, Narcisa MARANGOCI¹, Dana BEJAN¹

¹“Petru Poni” Institute of Macromolecular Chemistry

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

³Institute of Chemistry of Academy of Sciences of Moldova, Chisinau, Republic of Moldova

PI-12 Influence of titania source on physical properties of mesoporous titania: type of titanium alkoxide

Elvira MAHU^{1,2}, Maria IGNAT^{1,2}, Petrisor SAMOILA^{1,2}, Corneliu COJOCARU^{1,2}, Cristina COROMELCI¹, Iulian ASAFTEI¹, Valeria HARABAGIU²

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

²“Petru Poni” Institute of Macromolecular Chemistry



PI-13 Novel eco-friendly packaging based on cryogels owing antioxidant properties

Andreea POPIRDA¹, Alina GHILAN², Daniela PAMFIL²

¹University of Agricultural Sciences and Veterinary Medicine, Iasi, Romania

²“Petru Poni” Institute of Macromolecular Chemistry

PI-14 Development of nanomaterials-based electrochemical sensors for the determination of caffeic acid from food supplements

Alexandra Virginia MERESESCU (BOUNEGRU), Constantin APETREI

“Dunarea de Jos” University of Galati, Department of Chemistry, Physics and Environment

PI-15 Malachite Green removal through catalytic ozonation using as catalysts: Al - pillared clays supported rare earths and palladium

Diana Carmen MIRILA¹, Madalina Stefania PIRVAN¹, Nicoleta PLATON¹, Mohamed Amine DIDI², Denisa Ileana NISTOR¹, Abdelkrim AZZOUZ³

¹“Vasile-Alecsandri” University of Bacau, Faculty of Engineering

²University Abou Bekr Belkaid-Tlemcen, Department of Chemistry, Tlemcen, ALGERIA

³University of Quebec at Montreal, Nanoqam, Department of Chemistry, Montreal, Canada

PI-16 The technological and biological potential of red wine produced from the local Rara Neagra grape variety under micro-winery conditions

Georgeta MOGA, Alexandra STRATAN, Ecaterina COVACI

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

PI-17 Newly vinyl-pyrrolo-phthalazine/pyridazine cycloadducts and their polymeric materials

Vasilichia ANTOCI¹, Dorina AMARIUCAI-MANTU¹, Violeta MANGALAGIU^{2,3}, Dumitrelea CUCU (DIACONU)¹, Catalina CIOBANU¹, Gheorghita ZBANCIOC¹, Ionel I. MANGALAGIU^{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

³Stefan cel Mare University of Suceava, Faculty of Food Engineering

PI-18 Drug-loaded P2VP nanoparticles obtained by non-aqueous emulsion polymerization

Leonard Ionut ATANASE, Anca Niculina CADINOIU, Delia Mihaela RATA, Camelia Elena TINCU, Oana M. DARABA

“Apollonia” University from Iasi, Faculty of Dental Medicine

PI-19 The cytotoxic properties of a halogenated 1,3-dithiolium flavonoid

Lucian Gabriel BAHRIN¹, Dragos PEPTANARIU¹, Sergiu SHOVA¹, Laura Gabriela SARBU², Lucian Mihail BIRSA²

¹“PetruPoni” Institute of Macromolecular Chemistry

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



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PI-20 Heterometallic Cu(II)-Bi(III) vs homometallic Cu(II) coordination compounds as potential biologically active agents

Ion BULIMESTRU, Alexei VASILIEV, Alexandru STRATULAT, Ecaterina STAVARACHI, Nelea POPA

Moldova State University, Department of Chemistry, Chisinau, Republic of Moldova

PI-21 C,N-Doping effect on photocatalytic response of mesoporous titania

Cristina COROMELCI¹, Elvira MAHU^{1,2}, Doina LUTIC¹, Mircea PALAMARU¹, Maria IGNAT^{1,2}

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

²*“Petru Poni” Institute of Macromolecular Chemistry*

PI-22 Biosorption of platinum(IV) from aqueous solution by *Hylocomium splendens* and *Pleurozium schreberi* mosses: equilibrium, kinetic and thermodynamic studies

Andreia-Ionela SAVIN^{1,2}, Rodica Liliana BUHACEANU¹, Simona-Maria CUCU-MAN¹

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

²*S.C.M. LARMED, Iasi, Romania*

PI-23 Synthesis of gold-doped graphene and application as fuel cell electrodes

Adriana MARINOIU, Mircea RACEANU, Claudia SISU, Catalin CAPRIS, Elena CARCADEA

National Research and Development Institute for Cryogenics and Isotopic Technologies ICSI, Department of ICSI-ENERGY, Rm Valcea, Romania

PI-24 Metal complexes with antitumor activity

Mirela-Fernanda ZALTARIOV, Vladimir ARION

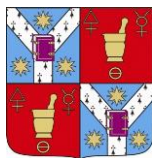
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PI-25 Antioxidant and antimicrobial properties of chitosan-based cryogel films embedding *Thymus Vulgaris* essential oil

Maria Marinela LAZAR¹, Ana Clara APROTOSOAIE², Maria Valentina DINU¹, Irina Elena RASCHIP¹

¹*“Petru Poni” Institute of Macromolecular Chemistry*

²*“Grigore T. Popa” University of Medicine and Pharmacy*



31st October - 01st November 2019
Iasi, Romania



Day 2

Friday, 01st November, FERDINAND Conference Room

08³⁰-09⁰⁰ **Registration of the participants**

09⁰⁰-10³⁰ **Poster Session II (PII) – The Hall of the Echoing Footsteps**

Session 1

Chairpersons: Prof. Gabi DROCHIOIU

Assoc. Prof. Ionel HUMELNICU

PC-03 Structure-properties correlation in lanthanide nitrate anions
10³⁰-11¹⁰

Marilena FERBINTEANU¹, Fanica CIMPOESU²

¹University of Bucharest, Faculty of Chemistry, Inorganic Chemistry Department

²Institute of Physical Chemistry I. Murgulescu

OC-05 A new fungal extracellular lipase: beyond the expectations
11¹⁰-11³⁰

Vasile Robert GRADINARU¹, Lamy El AAMRI²,
Majida HAFIDI², Catalina Ionica CIOBANU³,
Manuela RUSS⁴, Michael O. GLOCKER⁴, Alexandra LUPU¹,
Brindusa Alina PETRE¹

^{1,3}*“Alexandru Ioan Cuza” University of Iasi, Faculty of Chemistry*

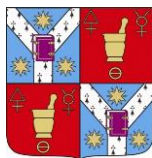
²*Moulay Ismail University, Faculty of Sciences, Meknes, Morocco*

⁴*Proteome Center Rostock, University of Rostock, Rostock, Germany*

OC-06 Effective adsorbents and photocatalysts based on mesoporous titania obtained by ultrasound-assisted synthesis
11³⁰-11⁵⁰

Elvira MAHU, Cristina Giorgiana COROMELCI, Maria IGNAT, Iuliean ASAFTEI, Doina LUTIC

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



OC-07 **Ceramic composites: synthesis, structure-property relationships and applications**
11⁵⁰-12¹⁰

Mirela AIRIMIOAEI¹, Cristina CIOMAGA², Vincenzo BUSCAGLIA³, Maria Teresa BUSCAGLIA³, Alexandra Raluca IORDAN¹, Mircea Nicolae PALAMARU¹, Liliana MITOSERIU²

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

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

³Institute of Condensed Matter Chemistry and Technologies for Energy, National Research Council, Genoa, Italy

12¹⁰-14⁰⁰ **Lunch – The Hall of the Echoing Footsteps**

Session 2

Chairpersons: Assoc. Prof. Nicoleta CORNEI

Assoc. Prof. Robert GRADINARU

PC-04 **Calculation and interpretation of vibrational circular dichroism spectra: from small organic compounds to molecular complexes and gold clusters**
14⁰⁰-14⁴⁰

Valentin Paul NICU

Lucian Blaga University of Sibiu, Department of Environmental Science, Physics, Physical Education and Sport, Sibiu, Romania

PC-05 **Determination of dithiocarbamate fungicides and of their degradation products in fruits and vegetables by a multi-approach strategy**
14⁴⁰-15²⁰

Alin C. DIRTU^{1,2}, Gwenaëlle LAVISON-BOMPARD¹, Nathalie MARCHOND¹, Antoine DUCROCQ¹, Chanthadary INTHAVONG¹, Thierry GUÉRIN¹, Petru JITARU¹

¹Paris-Est University, French Agency for Food, Environmental and Occupational Health & Safety, ANSES, Laboratory for Food Safety, France

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

OC-08 **Water and wastewater treatment systems for solids separation**
15²⁰-15⁴⁰

Carmen ZAHARIA

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



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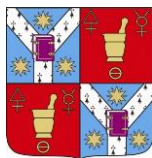
OC-09 **Morphology and antimicrobial properties of xanthan/polyvinyl alcohol cryogels containing red grape pomace**
15⁴⁰-16⁰⁰

Daniela PAMFIL, Nicusor FIFERE, Irina Elena RASCHIP, Maria Valentina DINU
“Petru Poni” Institute of Macromolecular Chemistry

16⁰⁰-16⁴⁵ **Coffee Break – The Hall of the Echoing Footsteps**
Poster Session II (PII) – The Hall of the Echoing Footsteps

16⁴⁵-17³⁰ **Best Poster Award and Closing Remarks**

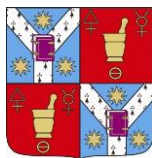
Note: IC – invited conference
PC – plenary conference
OC – oral communication
PI/PII – poster session I and poster session II



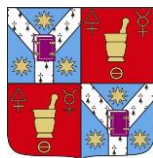
POSTER SESSION II

Friday, 01st November – The Hall of the Echoing Footsteps

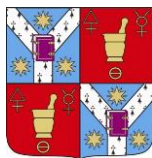
- PII-01 Novel *bis*-(imidazole/benzimidazole)-pyridine hybrids: synthesis, structure and antimycobacterial activity studies**
Dumitrela CUCU (DIACONU)¹, Vasilichia ANTOCI¹, Violeta MANGALAGIU^{2,3}, Dorina AMARIUCAI-MANTU¹, Costel MOLDOVEANU¹, Ionel I. MANGALAGIU^{1,2}
¹"Alexandru Ioan Cuza" University of Iasi, Faculty of Chemistry
²"Alexandru Ioan Cuza" University of Iasi, Integrated Centre of Environmental Science Studies in the North Eastern Region
³Stefan cel Mare University of Suceava, Faculty of Food Engineering
- PII-02 Influence of solions on the physical condition of students**
Mihaela Orlanda MUNTEANU¹, Ion SANDU^{2,3}, Viorica VASILACHE⁴, Ioan Gabriel SANDU^{3,5}
¹"Alexandru Ioan Cuza" University of Iasi, of Geography and Geology
²"Alexandru Ioan Cuza" University of Iasi, Arheoinvest Platform
³Romanian Inventors Forum, Iasi Romania
⁴"Alexandru Ioan Cuza" University of Iasi, Institute of Interdisciplinary Research, ARHEOINVEST Centrum
⁵"Gheorghe Asachi" Technical University of Iasi, Faculty of Material Science and Engineering
- PII-03 Synthesis and characterization of some of analogues of phenstatin**
Georgiana NEGRU¹, Alina GHINET², Sergiu SHOVA³, Elena BICU¹
¹"Alexandru Ioan Cuza" University of Iasi, Faculty of Chemistry
²UCLille, EA 4481 (GRIIOT), Laboratoire de Pharmacochimie, Lille, France
³"Petru Poni" Institute of Macromolecular Chemistry
- PII-04 Botany, bioactivity and phytochemistry of plants from Macin Mountain National Park**
Andreea (DROBAT) NISTOR¹, Andreea DEDIU¹, Bianca FURDUI¹, Geta CARAC¹, Rodica Mihaela DINICA¹
"Dunarea de Jos" University of Galati, Department of Chemistry, Physics and Environment
- PII-05 Anthracene retention on Functionalized Anionic Clays – LDH in wastewater treatment processes**
Madalina-Stefania PÎRVAN^{1,2}, Diana Carmen MIRILA¹, Laurance PIRAULT-ROY², Rachid BRAHMI², Mohamed Amine DIDI³, Ileana Denisa NISTOR¹
¹Vasile Alecsandri University Bacau; Department of Chemical And Food Engineering
²Poitiers University, Departement of Institute of Chemistry of Environments and Materials of Poitiers, France
³University Abou Bekr Belkaid-Tlemcen, Department of Chemistry, Tlemcen, ALGERIA
- PII-06 Novel hyaluronic acid based gels as potential drug delivery networks**
Alina GHILAN¹, Aurica P. CHIRIAC¹, Loredana E. NITA¹, Alina G. RUSU¹, Irina E. RASCHIP¹, Andreea POPIRDA²
¹"Petru Poni" Institute of Macromolecular Chemistry
²"Ion Ionescu de la Brad" University of Agricultural Sciences and Veterinary Medicine Iasi



- PII-07 Electrochemical behavior of titanium, molybdenum and niobium based alloys in SBF solution**
Maria Magdalena PRICOPI¹, Romeu CHELARIU², Nicolae AILENEI¹, Daniel SUTIMAN¹
¹"Gheorghe Asachi" Technical University of Iasi-Romania, Faculty of Chemical Engineering and Environmental Protection
²"Gheorghe Asachi" Technical University of Iasi-Romania, Faculty of Material Science and Engineering
- PII-08 Gas phase atmospheric chemistry of furan initiated by OH radicals: Kinetic, mechanism and secondary organic aerosol studies**
Claudiu ROMAN^{1,2}, Emilian ROSCA¹, 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-09 Kinetic gas-phase reactions study of two methylbutenols with OH radicals and ozone under simulated atmospheric conditions**
Ana-Maria RUSU (VASILACHE)¹, Claudiu ROMAN^{1,2}, Emilian ROSCA¹, Cecilia ARSENE^{1,2}, Iustinian BEJAN^{1,2}, Romeo-Iulian OLARIU^{1,2}
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- PII-10 Synthesis, structure and properties of new bisindolizine derivatives**
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- PII-11 Aluminum binding to neuroprotective peptides studied by native top-down mass spectrometry**
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- PII-12 TiO₂ doped with noble metals for the removal of POPs from wastewater**
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- PII-13 Rapid solid-state analysis versus accurate solution analysis. Assessment of an analytical procedure for REEs investigation**
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- PII-14 Reverse phase HPLC Peptide mapping of four papain-digested proteins**
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- PII-15 Triangular Copper (II) pyrazolate complexes. Structural analysis**
Andrei TOMA, Alina LUNGEANU, Marilena FERBINTEANU
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- PII-16 Covalent functionalization of reduced graphene oxide with azulenes**
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- PII-17 Hierarchical magnetic porous γ -Fe₂O₃@NiFe₂O₄ composite with solid-phase morphology changes promoted by adsorption of anionic azo-dyes**
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- PII-18 New insights on the 1,3-dipolar cycloaddition of benzimidazolium ylides**
Costel MOLDOVEANU¹, Violeta MANGALAGIU², Gheorghita ZBANCIOC¹, Dorina AMARIUCAI-MANTU¹, Vasilichia ANTOCI¹, Dumitrelea CUCU (DIACONU)¹, Ionel I. MANGALAGIU¹
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- PII-19 Synthesis and properties of Fe(III) spin crossover materials based on thiosemicarbazide derivatives ligands**
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- PII-20 Dimensional characterization of cerium doped copper ferrites using three distinctive techniques: DLS, AFM and HR-SEM**
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- PII-21 Proton dissociation processes of 5-methylenetrimethylammoniumsalicylaldehyde thiosemicarbazone derivatives**
Angela Sirbu
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- PII-22 Equilibrium, kinetic and thermodynamic studies for adsorption of anionic dyes on a cationic amphiphilic dextran hydrogel**
Magdalena-Cristina STANCIU, Marieta NICHIFOR
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- PII-23 Removal of heavy metal ions by aminopolycarboxylic acid functionalized chitosan-based composite sorbents**
Doina HUMELNICU¹, Ionel Adrian DINU², Maria Marinela LAZAR², Maria Valentina DINU²
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- PII-24 Preparation and application of mesoporous silica for pH-controlled delivery of doxorubicin**
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