

International Conference

Progress in Organic and Macromolecular Compounds

30th Edition

Program

**Dedicated to the 105th anniversary of
Acad. Cristofor I. Simionescu (1920-2007)**

**ICMPP – Petru Poni Institute of Macromolecular Chemistry
Iasi | Romania | September 23 - 26, 2025
<https://icmpp.ro/macroiasi2025/index.php>**

Edited by

Marcela MIHAI

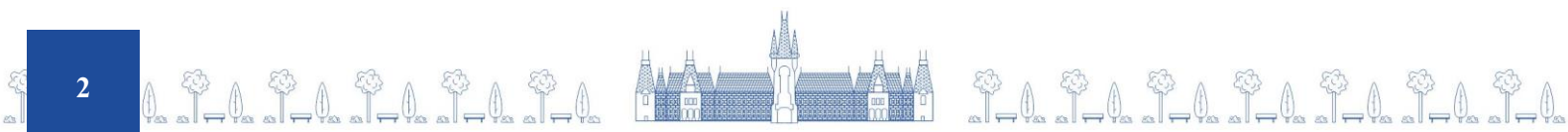
Radu-Dan RUSU

Marius-Mihai ZAHARIA

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Catalin-Paul CONSTANTIN

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Dear colleagues from Romania and abroad,

It is our pleasure to invite you to attend at the 30th edition of the International Conference Progress in Organic and Macromolecular Compounds, MACRO Iași 2025, a traditional event organized by the Petru Poni Institute of Macromolecular Chemistry, between 23 and 26 September 2025, in Iași.

The International Conference addresses polymer and organic chemists and physicists from academia, research institutes and industry, being intended as a dynamic platform for the presentation and sharing of their research and ideas.

MACRO Iași 2025 gives a broad overview of major topics in organic and polymer synthesis and physics, multifunctional polymeric architectures, engineering of polymeric materials and their applications.

Also, as part of the MACRO Iași conference, the workshop “*POLYSACCHARIDE BASED (BIO)HYBRID NANOSTRUCTURES*” (September 23, 2025) will be organized, to which you are welcome to participate (please contact the organizers - hybsac.pnrr@icmpp.ro).

This meeting could not have been organized without the generous and tireless support and contribution of many individuals and groups within and outside the ICMPP. Therefore, we would like to acknowledge to all the invited lecturers, speakers, board and committee members, chairpersons, sponsors and all the people that have been involved in the organization and presentation of relevant results and perspectives.

Best wishes for a professionally rewarding conference!

Valeria HARABAGIU and Marcela MIHAI

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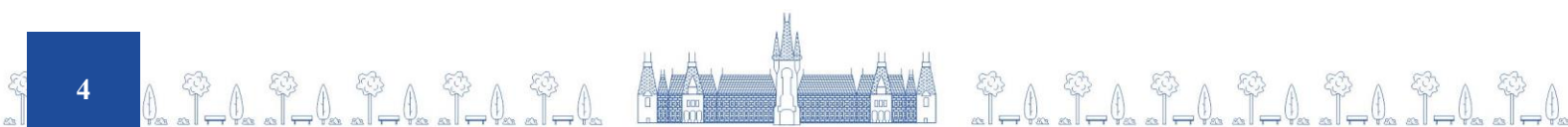
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Legend:
PLx: Plenary Lecture
Lx: Lecture
OCx: Oral Communication



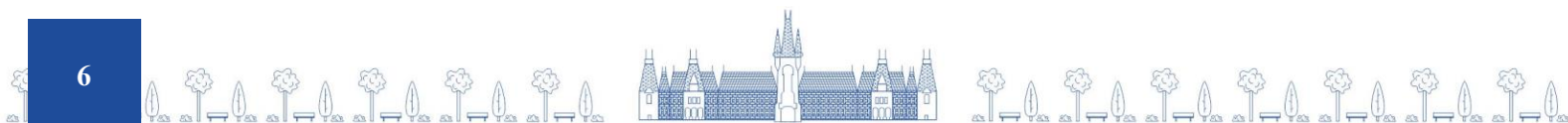
Part of the presented papers are published in the volume

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INVITED LECTURES

Marius ANDRUH studied Chemistry at the University of Bucharest and received his PhD in 1988. He was a post-doc in Orsay with Professor Olivier Kahn, and an Alexander von Humboldt fellow in Göttingen, in the group of Professor Herbert W. Roesky. His major research interests are focused on metallo-supramolecular chemistry, molecular magnetism and crystal engineering. He was Chair of the Inorganic Chemistry Department at the University of Bucharest. Since 2021, Professor Andruh is Director of the C. D. Nenitzescu Institute of Organic and Supramolecular Chemistry of the Romanian Academy. He is member of the Romanian Academy (and Vice-President since 2022), member of the Academia Europaea, and member of the European Academy of Sciences. Marius Andruh is author of more than 330 papers, H index 53.



C. Remzi BECER has completed his PhD at Eindhoven University of Technology, the Netherlands (2009). He received a Marie Curie Research Fellowship (2009–2011) and joined University of Warwick, UK. He was awarded a Science City Senior Research Fellowship (2011–2013) to start up his independent research group at the same university. He was appointed (2013–2018) as a Senior Lecturer at Queen Mary, University of London. He is currently a Professor in Sustainable Polymer Chemistry at the University of Warwick (2019-), acting as an editor of European Polymer Journal (2018-) and chair of the RSC Macro Group UK. More information at <https://warwick.ac.uk/fac/sci/chemistry/research/becer/>



Sergiu COSERI is a senior researcher and head of the Polyaddition and Photochemistry Department at the “Petru Poni” Institute of Macromolecular Chemistry of the Romanian Academy in Iasi. His work centers on polysaccharide chemistry—especially selective, mild oxidations of cellulose—free-radical processes, and nanocellulose-based materials for environmental and energy applications. He earned his PhD in organic chemistry in 2001 and completed a habilitation in 2016 on nitroxyl-radical-mediated functionalization of biopolymers. Dr. Coseri has led the department since 2019 and previously held an NSERC fellowship at the National Research Council of Canada with Keith U. Ingold. He has authored influential reviews and research articles, including the widely cited “Cellulose: To Depolymerize... or Not?” (Biotechnology Advances, 2017) and a groundbreaking study on nanocellulose as a key material for soft robotics, published in Advanced Functional Materials in 2022, and has contributed perspective pieces on the evolution of cellulose research in Romania.



Maria Valentina DINU studied Chemistry at “Al. I. Cuza” University of Iasi, and received her Ph.D. in 2009 from Romania Academy, Petru Poni Institute of Macromolecular Chemistry. During her Ph.D. studies, an important part of the work was carried out at Istanbul Technical University, Turkey, and Wroclaw University of Technology, Poland. She done a post-doctoral fellowship financially supported by the European Social Fund – Cristofor I. Simionescu Postdoctoral Fellowship Programme. Within the research activities performed during this post-doctoral fellowship (2010-2013), she spent some months in Leibniz Institute of Polymer Research Dresden, Germany, and in Institute of Macromolecular Chemistry, Prague, Czech Republic. After a postdoc in the Department of Chemistry, University of Basel, Switzerland, she returned to the Functional Polymers Department, in 2015, as a Senior Researcher.



Since 2021 she habilitated and member of the School of Advanced Studies of the Romanian Academy. Dr. Dinu is highly active in the field of synthesis and functionalization of various hydrogel-based systems, composite materials, and (bio) functional self-organized polymeric nanostructures, being co-author of 104 papers, with an H-index of 34. In 2012, she received the “Nicolae Teclu” Romanian Academy Award. Currently, Dr. Dinu is Group Leader in the Department of Functional Polymers, and is acting as an editor of Reactive and Functional Polymers from Elsevier, B.V.

For more information visit: <https://icmpp.ro/laboratories/14/g2/topics.php>.

Theoni GEORGIOU is a Professor in Polymer Chemistry at the Department of Materials at Imperial College London. She obtained a BSc in Chemistry and a PhD in Polymer Chemistry from the University of Cyprus. Following her PhD studies, she joined Professor Antonios (Tony) Mikos' group at Rice University in USA as a postdoctoral fellow. In October 2007 she moved to UK when she was awarded a five-year RCUK Fellowship in Colloidal Nanotechnology at the University of Hull. In 2014 she joined Imperial College as a Lecturer where she is now a professor since 2022. She has been an active member of the scientific community; was a member of the Macro group committee from 2017 to 2022 and the chair of the committee from 2019 and 2022. She was also a member of the Materials Chemistry Division Council of the Royal Society of Chemistry and of the European Polymer Federation (EPF) council. She is currently a member of the Colloid & Interface Science Group of RSC. In 2017 she was awarded the 2016 Macro Group UK Young Researchers Medal. She is a member of the advisory editorial board of Polymer International, Polymer Chemistry and European Polymer Journal. Finally, she is an Associate Editor for European Polymer Journal since 2022. (ResearcherID: A-4229-2008, <http://orcid.org/0000-0003-4474-6931>).



Agnieszka KOWALCZUK is an Associate Professor at the Centre of Polymer and Carbon Materials PAS, where she leads the Laboratory of Nano- and Microstructural Materials. Her research focuses on developing novel polymers for applications in medicine and nanotechnology. She specializes in anionic and cationic polymerization of oxiranes and cyclic imines, as well as controlled radical polymerization of (meth)acrylates, enabling the synthesis of macromolecules with precise composition, molar mass, and topology. Beyond linear polymers and copolymers, she is interested in designing branched macromolecules, including star-shaped, dendritic, and hyperbranched structures, particularly those responsive to environmental stimuli and functionalized for interactions with bioactive agents.



Michele LAUS graduated in Industrial Chemistry with honours in 1983 and obtained a PhD in Industrial Chemistry in 1987. In 1997 he became Associate Professor of Industrial Chemistry and since November 2005, Full Professor of Industrial Chemistry and Polymeric Materials. He spent periods as visiting professor at Cornell University (invited by Prof. C. K. Ober) and at the Martin Luter University of Freiburg (invited by Prof. W. Gronski). At present, he is the Coordinator of EUPOC (European Polymer Conferences), President of AIM (Italian Association for Science and Technology of Macromolecules) and General Secretary of EPF (European Polymer Federation). At the beginning, his research activity focused on the development of hybrid nanocomposites, functional micro and nanospheres for biomedical and analytical use and superstructural systems organized in 2D and 3D (polymer liquid crystals, monolayers and opals) for optical, microelectronic and sensor applications. Subsequently, the research was directed towards the study of materials for microelectronics through



block copolymers and through the use of doping polymers, including the development of new precision polymers. Alongside these activities, two new lines of research have been activated relating to the synthesis of polymers using CO₂ as a monomer and the preparation and study of reversible networks. Prof. M. Laus is author of 280 articles in international journals and 20 patents with an H-index of 44. Furthermore, he has participated as an invited or plenary speaker in more than 100 international conferences.

Mariana PİNTEALA studied chemical engineering and received her PhD at “Gheorghe Asachi”



Technical University, Iasi, Romania, in 1995. She has been active in “Petru Poni” Institute of Macromolecular Chemistry since 1987 and from 2010 is the Head of the “IntelCenter” integrated into institute (www.intelcentru.ro). She has published more than 200 papers, 1 book and 12 book chapters, is evaluator for national projects in the chemistry field. The scientific and managerial activities include the successful coordination of two EU projects, 8 national projects and 4 bilateral projects, as well as the participation to an NSF grant and others. In addition, she has implemented the IntelCentre infrastructure project based on EU Structural Funds. The research interests are focused on the development of polymer-based biomaterials, supramolecular assemblies of hydrophobic and hydrophilic (co)polymers; pseudo- and polyrotaxanes, (co)polymers containing cyclodextrins, and more recently on biomedical-oriented nanotechnologies (non-viral vectors for gene and drug delivery systems; nanoparticles based on metal and metal oxides for tumors imaging and therapy; development of fullerene, cyclodextrin, and polymer derivatives for medical applications; design of cyclodextrin inclusion complexes with different drugs as potential drug delivery systems).

Aurel RADULESCU is a senior scientist at Forschungszentrum Jülich GmbH in Germany and is primarily responsible for the small-angle neutron diffractometer KWS-2 at the Jülich Centre for Neutron Science at the Heinz Maier-Leibnitz Zentrum in Garching, Germany. He received his PhD in nuclear physics from the University of Bucharest, Romania, in 2000 and received a Young Scientist Award from the European Neutron Scattering Association in 1999. Between 2016 and 2021, he also served as a specially appointed professor at the University of Osaka, Japan. His current work focuses on semi-crystalline polymers, polymer-protein complexes and methodological developments in neutron scattering.



Cristian SILVESTRU research (born on 1955, Baia-Mare) is Professor at Babes-Bolyai University of Cluj-Napoca. His research activities concentrated on development of organometallic and coordination chemistry, with particular focus on Main Group metal compounds. In collaboration with foreign research groups, he brought significant contributions to the chemistry of hypervalent Main Group organometallics, reporting on the first examples of some new types of compounds as alkoxides, halochalcogenides, metal heterocycles, etc. as well as CO₂ fixation, and C–H bond activation. He published more than 250 original articles and reviews in international journals (more than 4700 citations; Hirsch index of 36). From 2016 he is representative of Romanian Chemical Society in the Division of Organometallic Chemistry of EuCheMS. He is member of the Romanian Academy (from 2017), the European Academy of Sciences and Arts (Salzburg, Austria; from 2019) and European Academy of Sciences (Brussels, Belgium; from 2021).



Ion TIGINYANU is received his Ph.D. degree in Semiconductor Physics from Lebedev Institute of Physics, Moscow, in 1982. Starting from 2001, he serves as the founding Director of the National Center for Materials Study and Testing, Technical University of Moldova. In 2019 he was elected president of the Moldova Academy of Sciences. Professor Tiginyanu's research interests are related to nanotechnologies, smart nanomaterials and development of photonic and electronic novel device structures for various applications, including microfluidic and biomedical applications. He is Fellow of the International Science Council, honorary member of the Romanian Academy, honorary professor of Shizuoka University (Japan), member of the Academia Europaea, Fellow of the International Society for Optics and Photonics (SPIE), and member of AAAS, IEEE, Optica (formerly OSA) etc. For more information visit <https://asm.md/en/membru?id=52>.



Brigitte VOIT received her PhD in Macromolecular Chemistry 1990 from University Bayreuth, Germany. After postdoctoral work in 1991/1992 at Eastman Kodak in Rochester, USA, she joined Technische Universität München. After habilitation in 1996, she was appointed 1997 full professor for "Organic Chemistry of Polymers" at Technische Universität (TU) Dresden as well as Director of the Division Macromolecular Chemistry at the Leibniz Institute of Polymer Research (IPF) Dresden. From 2002 to 2022 she was also Scientific Director of IPF. At TU Dresden she is member of the Center for Advancing Electronics Dresden (CFAED), Dresden International Graduate School for Biomedicine and Bioengineering (DIGS BB), and the DFG Graduate School Hydrogel-based Microsystem. She is active in the European Polymer Federation (president 2014/2015), elected member of ACATECH, and holder of the Staudinger Award. Her scientific interest is in functional polymer architectures and responsive polymers for e.g. biomedicine, smart systems and organic electronics.



MACRO Iași 2025



Oral presentations

- PL** invited lectures (45 min, Q & A included)
- L** lectures (30 min, Q & A included)
- OC** oral contributions (15 min, Q & A included)



Poster presentations

- PP** posters

Posters (A1 size, portrait orientation) will be posted after registration and will remain displayed during the entire conference

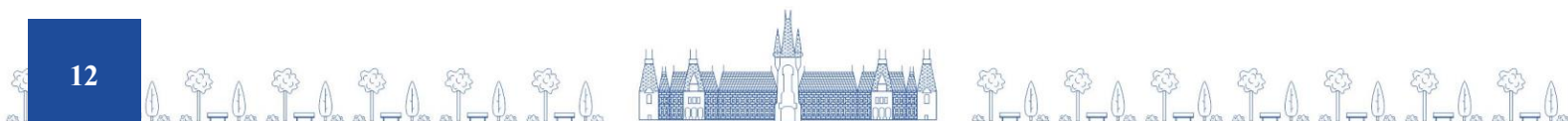


Language

The conference language is English



MACRO Iași 2025



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de Redresare și Reziliență**PROGRAM WORKSHOP HYBSAC****Bogdan C. Simionescu Hall**

TUESDAY, September 23	09 ⁰⁰ – 09 ¹⁵	Opening - Dr. Stergios PISPAS
	09 ⁰⁰ – 10 ⁴⁵	Workshop Session 1
		Chairs: Marcela MIHAI and Stergios PISPAS
	09 ¹⁵ – 09 ⁴⁵	W.L1. SHOULD WE BE USING WELL-DEFINED POLYMERS OR NOT? Theoni K. GEORGIOU <i>Department of Materials, Imperial College London, London, United Kingdom</i>
	09 ⁴⁵ – 10 ¹⁵	W.L2. POLYMER-PROTEIN COMPLEXES AS VERSATILE CARRIERS FOR TARGETED PROTEIN AND DRUG DELIVERY CHARACTERIZED BY SMALL-ANGLE NEUTRON SCATTERING Aurel RADULESCU <i>Forschungszentrum Jülich GmbH, Jülich Centre for Neutron Science (JCNS) at Heinz Maier-Leibnitz Zentrum (MLZ), Garching, Germany</i>
	10 ¹⁵ – 10 ⁴⁵	W.L3. MULTIFUNCTIONAL POLYSACCHARIDE-BASED HYBRID HYDROGELS WITH POROSITY TAILORED BY CRYOTROPIC GELATION Maria-Valentina DINU <i>Petru Poni Institute of Macromolecular Chemistry, Iasi, Romania</i>
	10 ⁴⁵ – 11 ¹⁵	Coffee Break
	11 ¹⁵ – 12 ¹⁵	Workshop Session 2
		Chairs: Marcela MIHAI and Stergios PISPAS
	11 ¹⁵ – 11 ⁴⁵	W.L4. REACHING FOR THE STARS WITH NEW GENERATIONS OF FUNCTIONAL POLYMETHACRYLATES Agnieszka KOWALCZUK <i>Centre of Polymer and Carbon Materials, Polish Academy of Sciences, Zabrze, Poland</i>
	11 ⁴⁵ – 12 ¹⁵	W.L5. FROM TREES TO TECH: THE SILENT REVOLUTION OF CELLULOSE NANOFIBERS IN BIOELECTRONICS Sergiu COSERI <i>Petru Poni Institute of Macromolecular Chemistry, Iasi, Romania</i>
	12 ¹⁵ – 14 ⁰⁰	Lunch Break





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Planul Național
de Redresare și Reziliență

TUESDAY, September 23

14⁰⁰ – 15¹⁵

Workshop Session 3

Chairs: Marcela MIHAI and Stergios PISPAS

14⁰⁰ – 14¹⁵ **W.OC1. CHITOSAN-*g*-POLY(*N*-ISOPROPYLACRYLAMIDE) POLYPLEXES WITH DNA MOLECULES OF DIFFERENT LENGTHS**

Maria KARAYIANNI,¹ Elena-Daniela LOTOS,¹
Marcela MIHAI,¹ Stergios PISPAS^{1,2}

14¹⁵ – 14³⁰ **W.OC2. GREEN SYNTHESIS OF GOLD NANOPARTICLES STABILIZED BY AMYLOPECTIN-*g*-POLY (ACRYLIC ACID) COPOLYMER**

Melinda-Maria BAZARGHIDEANU,¹ Marius-Mihai ZAHARIA,¹
Alina-Petronela MORARU,¹ Florin BUCATARIU,¹
Stergios PISPAS,^{1,2} Marcela MIHAI¹

14³⁰ – 14⁴⁵ **W.OC3. NEW THERMORESPONSIVE COMPOSITES CONTAINING CHITOSAN-*g*-PNIPAM AND *IN SITU* FORMED GOLD NANOPARTICLES**

Marius-Mihai ZAHARIA,¹ Melinda-Maria BAZARGHIDEANU,¹
Alina-Petronela MORARU,¹ Florin BUCATARIU,¹
Marcela MIHAI,¹ Stergios PISPAS^{1,2}

14⁴⁵ – 15⁰⁰ **W.OC4. SYNTHESIS AND CHARACTERIZATION OF pH-RESPONSIVE GRAFT COPOLYMER BASED ON POTATO STARCH AND POLY (ACRYLIC ACID)**

Diana Felicia LOGHIN,¹ Stefania RACOVITA,¹ Silvia VASILIU,¹
Mihaela Iuliana AVADANEI,¹ Ana-Maria MACSIM,¹
Melinda-Maria BAZARGHIDEANU,¹
Stergios PISPAS,^{1,2} Marcela MIHAI¹

15⁰⁰ – 15¹⁵ **W.OC5. NEW POLYSACCHARIDE GRAFTING METHOD PAIRING CHITOSAN WITH PNIPAM BEARING CARBOXYL END GROUP**

Elena-Daniela LOTOS,¹ Maria KARAYIANNI,¹
Marcela MIHAI,¹ Stergios PISPAS^{1,2}

¹Petru Poni Institute of Macromolecular Chemistry, Iasi, Romania

²Theoretical and Physical Chemistry Institute, National Hellenic Research Foundation, Athens, Greece

15¹⁵ – 15⁴⁵ **Coffee Break**

15⁴⁵ – 17⁰⁰

Workshop Session 4

ROUND TABLE

18⁰⁰ – 20⁰⁰ **Dinner**



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Planul Național
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POLYSACCHARIDE BASED (BIO)HYBRID NANOSTRUCTURES (HYBSAC)



<https://icmpp.ro/hybsac/>

Call: PNRR-III-C9-2022 – I8

Contract 760082/23.05.2023, code CF201/28.11.2022

Project director: Dr. Asterios (Stergios) PISPAS

Project manager: Dr. Marcela MIHAI

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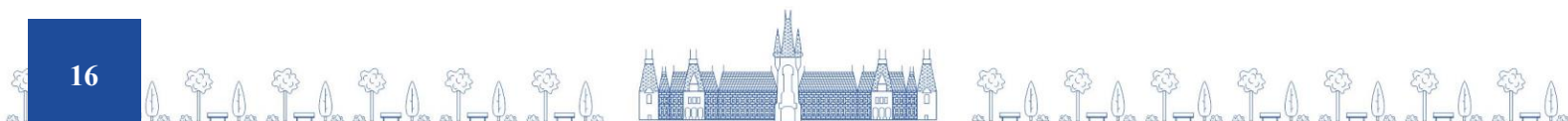
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MACRO Iași 2025



PROGRAM

ICMPP Conference Hall

WEDNESDAY, September 24

08 ⁰⁰ – 09 ⁰⁰	Registration of Participants
	09 ⁰⁰ – 10 ¹⁵ Session 1 Chairs: Valeria HARABAGIU and Marcela MIHAI
09 ⁰⁰ – 09 ¹⁵	Conference Opening
09 ¹⁵ – 09 ³⁰	CRISTOFOR I. SIMIONESCU, THE MAN WITHIN Bogdana SIMIONESCU <i>Petru Poni Institute of Macromolecular Chemistry, Iasi, Romania</i>
09 ³⁰ – 10 ¹⁵	PL1. MAGNETIC AND LUMINESCENT MOLECULAR MATERIALS CONSTRUCTED FROM LANTHANIDES: NEW SYNTHETIC APPROACHES Marius ANDRUH ^{1,2} ¹ <i>C. D. Nenitescu Institute of Organic and Supramolecular Chemistry, Bucharest, Romania</i> ² <i>University of Bucharest, Faculty of Chemistry, Inorganic Chemistry Laboratory, Bucharest, Romania</i>
10 ¹⁵ – 10 ⁴⁵	Coffee Break & Poster session
	10 ⁴⁵ – 12 ³⁰ Session 2 Chairs: Andreea Laura SCUTARU and Gheorghe FUNDUEANU
10 ⁴⁵ – 11 ³⁰	PL2. EMERGING FUNCTIONAL HYBRID NANOMATERIALS BASED ON GALLIUM NITRIDE AND AEROGALNITE Ion TIGINYANU, Tudor BRANISTE <i>Petru Poni Institute of Macromolecular Chemistry, Iasi, Romania</i>
11 ³⁰ – 12 ⁰⁰	L1. RETRACTION OF VISCOELASTIC FLUID AFTER THE RUPTURE OF THE FILAMENT Ciprian MATEESCU, ^{1,2} Doru-Daniel CRISTEA, ^{1,2} Nicoleta TANASE, ² Corneliu BALAN ² ¹ <i>UMF Carol Davila, Bucharest, Romania</i> ² <i>NUST Politehnica, Energetics, Bucharest, Romania</i>
12 ⁰⁰ – 12 ¹⁵	OC1. INACCURACIES IN INTERPRETING THERMORHEOLOGICAL BEHAVIOR OF SOME POLYMERS: TO WHAT EXTENT THEY INFLUENCE THE CONCLUSIONS Daniela IONITA, Mariana CRISTEA, Costel GAINA <i>Petru Poni Institute of Macromolecular Chemistry, Iasi, Romania</i>
12 ¹⁵ – 12 ³⁰	OC2. SORPTION PERFORMANCE OF ZWITTERIONIC RESINS FOR HEAVY METAL DECONTAMINATION OF POLLUTED WATERS Marius-Mihai ZAHARIA, ¹ Alina-Petronela MORARU, ¹ Ramona CIOBANU, ² Florin BUCATARIU, ¹ Marcela MIHAI ¹ ¹ <i>Petru Poni Institute of Macromolecular Chemistry, Iasi, Romania</i> ² <i>Cristofor Simionescu Faculty of Chemical Engineering and Environmental Protection, Ghe. Asachi Technical University of Iasi, Romania</i>

12³⁰ – 14⁰⁰ **Lunch Break**

14⁰⁰ – 16¹⁵

Session 3

Chairs: Mariana CRISTEA and Florin BUCATARIU

14⁰⁰ – 14³⁰ **L2. SUPRAMOLECULAR ORGANIC SEMICONDUCTING MATERIALS FOR BIO-ELECTRONICS**

Aurica FARCAS, Ana-Maria RESMERITA

Petru Poni Institute of Macromolecular Chemistry, Iasi, Romania

14³⁰ – 14⁴⁵ **OC3. SENSING COATINGS BASED ON A HARD-SOFT COPOLYIMIDE FOR TOLUENE DETECTION**

Irina BUTNARU, Adriana-Petronela CHIRIAC,

Loredana VACAREANU, Mariana-Dana DAMACEANU

Petru Poni Institute of Macromolecular Chemistry, Iasi, Romania

14⁴⁵ – 15⁰⁰ **OC4. NANOMETRIC EM-VESICLES WITH ENHANCED BIOPHARMACEUTICAL ATTRIBUTES**

Vera-Maria PLATON, Anda M. CRACIUN, Irina ROSCA,

Natalia SIMIONESCU, Luminita MARIN

Petru Poni Institute of Macromolecular Chemistry, Iasi, Romania

15⁰⁰ – 15¹⁵ **OC5. OLD COMPOUNDS, NEW PURPOSE: IODINE-SUBSTITUTED PYRROL-2-ONES FOR TARGETED ANTITUMOR THERAPY**

Cristina M. AL-MATARNEH,¹ Natalia SIMIONESCU,¹

Ashraf AL-MATARNEH,^{1,2} Ionel I. MANGALAGIU²

¹*Petru Poni Institute of Macromolecular Chemistry, Iasi, Romania*

²*Alexandru Ioan Cuza University of Iasi, Faculty of Chemistry, Iasi, Romania*

15¹⁵ – 15³⁰ **OC6. THE EFFECT OF MICELLIZATION ON THE EPR SPECTRA OF NITRONYL NITROXIDES WITH ALKYL CHAINS RADICALS**

Alexandru Gabriel BUCUR,¹ Alexandru V. F. NECULAE,¹

Mihaela Lavinia CIUTU,¹ Georgiana Alexandra SANDA,^{1,2}

Sevasti MATSIA,¹ Gabriela IONITA¹

¹*Ilie Murgulescu Institute of Physical Chemistry, Bucharest, Romania*

²*University of Bucharest, Faculty of Chemistry, Bucharest, Romania*

15³⁰ – 15⁴⁵ **OC7. LIGNIN CARBON-BASED STRUCTURES: SYNTHESIS ROUTE AND PHYSICO-CHEMICAL FEATURES**

Irina APOSTOL, Narcis ANGHEL

Petru Poni Institute of Macromolecular Chemistry, Iasi, Romania

15⁴⁵ – 16⁰⁰ **OC8. SUSTAINABLE PET RECYCLING THROUGH DESIGN THINKING: CIRCULAR CHEMISTRY SOLUTIONS**

Andra-Cristina ENACHE, Petrisor SAMOILA,

Corneliu COJOCARU, Ionela GRECU, Valeria HARABAGIU

Petru Poni Institute of Macromolecular Chemistry, Iasi, Romania

16⁰⁰ – 16¹⁵ **OC9. MODULATED TEMPERATURE DSC: FROM THEORY TO APPLICATIONS IN POLYMER CHARACTERIZATION**

Paul LAZAR

Laboratorium SRL Bucharest, Romania



WEDNESDAY, September 24

16¹⁵ – 16⁴⁵ **Coffee Break & Poster session**16⁴⁵ – 18⁰⁰**Session 4****Chairs: Luminita MARIN and Catalin-Paul CONSTANTIN**16⁴⁵ – 17¹⁵**L3. MAKING LINEAR CIRCULAR: FROM CELLULOSE/LIGNIN TO BIOPLASTICS, BIO-H₂ AND AROMATICS**Xiaoyan JI,¹ Leon ENGELBRECHT,² Yonglei WANG,³Francesca MOCCI,² Narcis CIBOTARIU,⁴ Aatto LAAKSONEN⁵¹*Division of Energy Science, Energy Engineering, Luleå University of Technology, Sweden*²*University of Cagliari, Italy*³*National Supercomputing Center (NSC), Linköping University, Sweden*⁴*Petru Poni Institute of Macromolecular Chemistry, Iasi, Romania*⁵*Department of Chemistry, Stockholm University, Sweden*17¹⁵ – 18⁰⁰**PL3. EMERGING FUNCTIONAL HYBRID NANOMATERIALS BASED ON GALLIUM NITRIDE AND AEROGALNITE**Michele LAUS,¹ Riccardo CHIARCOS,¹ Michele PEREGO²¹*University of East Piemonte, DISIT Dept., Alessandria, Italy*²*CNR-IMM, Unit of Agrate Brianza, Agrate Brianza, Italy*09⁰⁰ – 10³⁰**Session 5****Chairs: Maria CAZACU and Mihai BREBU**09⁰⁰ – 09⁴⁵**PL4. TURNING LIQUIDS SOLID: FROM EMULSIONS TO MICROMIXERS**Cristian SILVESTRU,¹ Gabriel DUNES,^{1,2} Alpar PÖLLNITZ,¹Alexandru SAVA,¹ Yann SARAZIN²¹*Babes-Bolyai University, Faculty of Chemistry and Chemical Engineering, Department of Chemistry, Supramolecular Organic and Organometallic Chemistry Centre (SOOMCC), Cluj-Napoca, Romania*²*Université de Rennes, CNRS, Institut des Sciences Chimiques de Rennes, Cedex, France*09⁴⁵ – 10³⁰**PL5. EFFECTS OF MONOMER SEQUENCE AND CHEMICAL COMPOSITION ON THERMORESPONSIVE PHASE TRANSITION OF OEGMA-BASED SYMMETRIC PENTABLOCK TERPOLYMERS**

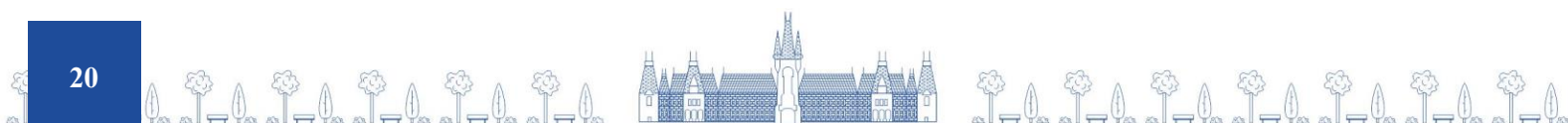
Shaobai WANG, Theoni K. GEORGIOU

*Department of Materials, Imperial College London, United Kingdom*10³⁰ – 11⁰⁰**Coffee Break & Poster session**11⁰⁰ – 12³⁰**Session 6****Chairs: Mihaela DASCALU and Anton AIRINEI**11⁰⁰ – 11⁴⁵**PL6. ENGINEERING FUNCTIONAL NANOPLATFORMS FOR BIOIMAGING AND THERAPEUTIC AGENT DELIVERY**Mariana PINTEALA,¹ Dragos PEPTANARIU,¹Bogdan CRACIUN,¹ Denisse-Iulia BOSTIOG,¹ Tudor VASILIU,¹ PetruTIRNOVAN,¹ Razvan PUF,¹ Cristina URITU,²Teodora RUSU,¹ Adrian FIFERE,¹ Andrei NEAMTU³

THURSDAY, September 25



11 ⁴⁵ – 12 ¹⁵	<p>¹<i>Petru Poni Institute of Macromolecular Chemistry, Iasi, Romania</i> ²<i>Prof. C. Mungiu Advanced Center for Research and Development in Experimental Medicine, Gr. T. Popa University of Medicine and Pharmacy of Iasi</i> ³<i>Gr. T. Popa University of Medicine and Pharmacy of Iasi, Iasi, Romania</i></p>
12 ¹⁵ – 12 ³⁰	<p>L4. ENGINEERING POLY(2-OXAZOLINE) NANOSTRUCTURES FOR BIOMEDICAL USE <u>Marcelina BOCHENEK</u>,¹ Natalia OLESZKO-TORBUS,¹ Barbara MENDREK,¹ Alicja UTRATA-WESOŁEK,¹ Wojciech WAŁACH,¹ Violeta MITOVA,² Neli KOSEVA,³ Agnieszka KOWALCZUK¹ ¹<i>Centre of Polymer and Carbon Materials, Polish Academy of Sciences, Zabrze, Poland</i> ²<i>Institute of Polymers, Bulgarian Academy of Sciences, Sofia, Bulgaria</i> ³<i>Bulgarian Academy of Sciences, Sofia, Bulgaria</i></p>
	<p>OC10. PLASMA-ACTIVATED POLYMERS AND FORMULATIONS FOR CANCER TREATMENT <u>Camelia MIRON</u>,¹ Luminita MARIN,² Taishi YAMAKAWA,¹ Koki ONO,¹ Ryo WAKATSUKASA,¹ Manuela IFTIME,² Kenji ISHIKAWA,¹ Shinya TOYOKUNI,³ Masaru HORI,¹ Hiromasa TANAKA¹ ¹<i>Center for Low-temperature Plasma Sciences, Nagoya University, Nagoya, Japan</i> ²<i>Petru Poni Institute of Macromolecular Chemistry, Iasi, Romania</i> ³<i>Department of Pathology and Biological Responses, Nagoya University, Graduate School of Medicine, Nagoya, Japan</i></p>
12 ³⁰ – 14 ⁰⁰	<p>Group photo & Lunch Break</p>
	<p>14⁰⁰ – 16⁰⁰ Session 7 Chairs: Irina BUTNARU and Corneliu COJOCARU</p>
14 ⁰⁰ – 14 ³⁰	<p>L5. USING EPR SPECTROSCOPY TO INVESTIGATE COMPLEX SUPRAMOLECULAR SYSTEMS <u>Gabriela IONITA</u>,¹ Sylvain R. A. MARQUE,^{1,2} Jean-Patrick JOLY,^{1,2} Iulia MATEI,¹ Alexandru Gabriel BUCUR¹ ¹<i>Ilie Murgulescu Institute of Physical Chemistry, Bucharest, Romania</i> ²<i>Aix-Marseille University, CNRS, ICR, France</i></p>
14 ³⁰ – 14 ⁴⁵	<p>OC11. SUPRAMOLECULAR GOLD AGGREGATES WITH ENHANCED VISIBLE-LIGHT ABSORPTION FOR PHOTOTHERMAL APPLICATIONS Elena-Laura URSU <i>Petru Poni Institute of Macromolecular Chemistry, Iasi, Romania</i></p>
14 ⁴⁵ – 15 ⁰⁰	<p>OC12. ENHANCEMENT OF AUTOPHAGY-INDUCING COMPOUNDS BY NITROGEN REACTIVE SPECIES FROM ATMOSPHERIC PRESSURE PLASMA <u>Taishi YAMAKAWA</u>,¹ Ayako TANAKA,² Miron CAMELIA,² Kenji ISHIKAWA,² Masaru HORI,² Hiromasa TANAKA² ¹<i>Department of Electronics, Graduate School of Engineering, Nagoya University, Nagoya, Japan</i></p>



15 ⁰⁰ – 15 ¹⁵	<p>²<i>Center for Low-temperature Plasma Sciences, Nagoya University, Nagoya, Japan</i></p> <p>OC13. MULTIFUNCTIONALITY OF XANTHAN-BASED CRYOGELS ENRICHED WITH ANTHOCYANINS <u>Ioana-Victoria PLATON</u>, Irina Elena RASCHIP, Nicusor FIFERE, Maria Valentina DINU <i>Petru Poni Institute of Macromolecular Chemistry, Iasi, Romania</i></p>
15 ¹⁵ – 15 ³⁰	<p>OC14. INTERACTION STUDIES OF CHITOSAN-g-PNIPAM MULTIRESPONSIVE CHAINS WITH A MODEL PROTEIN <u>Florin BUCATARIU</u>,¹ Marius-Mihai ZAHARIA,¹ Larisa-Maria PETRILA,¹ Marcela MIHAI,¹ Stergios PISPAS^{1,2} ¹<i>Petru Poni Institute of Macromolecular Chemistry, Iasi, Romania</i> ²<i>Theoretical and Physical Chemistry Institute, National Hellenic Research Foundation, Athens, Greece</i></p>
15 ³⁰ – 15 ⁴⁵	<p>OC15. EVALUATION OF BACCAUREA PLANT FOR THEIR USE AS ANTIOXIDANT COMPOUNDS IN POLYMERIC MATERIALS <u>Daniela PAMFIL</u>,¹ Elena BUTNARU,¹ Benedict SAMLING,² Sim Siong FONG,² Shafri Bin SEMAWI,² Mihai BREBU,¹ Elena STOLERU¹ ¹<i>Petru Poni Institute of Macromolecular Chemistry, Iasi, Romania</i> ²<i>University Malaysia Sarawak, Faculty of Resource Science & Technology, Sarawak, Malaysia</i></p>
15 ⁴⁵ – 16 ⁰⁰	<p>OC16. SYNTHESIS OF AN INDOLOBENZAZOCINE DERIVATIVE FOR INHIBITION OF TUBULIN POLYMERIZATION <u>Marin-Aurel TROFIN</u>, Irina KUZNETCOVA, Ioana-Antonia IFTIMIE, Mihaela BALAN-PORCARASU, Mihaela DASCALU, Gheorghe ROMAN, Maria CAZACU, Vladimir ARION <i>Petru Poni Institute of Macromolecular Chemistry, Iasi, Romania</i></p>
16 ⁰⁰ – 16 ³⁰	Coffee Break & Poster session
16 ³⁰ – 17 ⁴⁵ Session 8 Chairs: Petronela PASCARIU and Sergiu COSERI	
16 ³⁰ – 17 ⁰⁰	<p>L6. MULTIPLE TARGET LIGANDS WITH AZAHEREROCYCLES SKELETON <u>Ionel I. MANGALAGIU</u>,¹ Dorina AMARIUCAI-MANTU,¹ Vasilichea ANTOCI,¹ Gheorghita ZBANCIOC,¹ Costel MOLDOVENU,¹ Violeta MANGALAGIU^{1,2} ¹<i>Al. I. Cuza University of Iasi, Faculty of Chemistry, Iasi, Romania</i> ²<i>Alexandru Ioan Cuza University of Iasi, Institute for Interdisciplinary Research, CERNESIM and RECENTAIR Centers, Iasi, Romania</i></p>
17 ⁰⁰ – 17 ⁴⁵	<p>PL7. RESPONSIVE POLYMERIC NANOCAPSULES AND MULTI-COMPARTMENTS AS CELLULAR MIMICS Brigitte VOIT <i>Leibniz-Institut fuer Polymerforschung Dresden e.V., Dresden, Germany</i></p>
19 ⁰⁰ – 22 ⁰⁰	Galla Dinner Traian Hotel

FRIDAY, September 26	09 ⁰⁰ – 10 ³⁰	
	Session 9	
	Chairs: Maria-Valentina DINU and Marin-Aurel TROFIN	
	09 ⁰⁰ – 09 ⁴⁵	PL8. POLYMER MEMBRANES FOR ENERGY APPLICATIONS CHARACTERIZED BY NEUTRON SCATTERING TECHNIQUES Aurel RADULESCU <i>Forschungszentrum Jülich GmbH, Jülich Centre for Neutron Science (JCNS) at Heinz Maier-Leibnitz Zentrum (MLZ), Garching, Germany</i>
	09 ⁴⁵ – 10 ³⁰	PL9. NEW WAYS FOR FUNCTIONAL NANOMATERIALS: THE JOURNEY FROM LINEAR TO STAR-SHAPED POLYMERS Barbara MENDREK, Marcelina BOCHENEK, Natalia OLESZKO-TORBUS, Agnieszka KOWALCZUK <i>Centre of Polymer and Carbon Materials, Polish Academy of Sciences, Zabrze, Poland</i>
	10 ³⁰ – 11 ⁰⁰ Coffee Break & Poster session	
	11 ⁰⁰ – 12 ³⁰	
	Session 10	
	Chairs: Marcela MIHAI and Radu-Dan RUSU	
	11 ⁰⁰ – 11 ¹⁵	OC17. MULTIFUNCTIONAL PULLULAN–POLYVINYL ALCOHOL HYDROGELS WITH MULTIPLE CROSSLINKING STRATEGIES Ioana-Sabina TRIFAN, Gabriela BILIUTA, Raluca BARON, Sergiu COSERI <i>Petru Poni Institute of Macromolecular Chemistry, Iasi, Romania</i>
	11 ¹⁵ – 11 ³⁰	OC18. DUAL FUNCTIONAL PHENOXAZINE-BASED POLYMERS: BRIDGING NIR ELECTROCHROMIC AND ENERGY STORAGE APPLICATIONS Catalin-Paul CONSTANTIN, Andra-Elena BEJAN, Adriana-Petronela CHIRIAC <i>Petru Poni Institute of Macromolecular Chemistry, Iasi, Romania</i>
	11 ³⁰ – 11 ⁴⁵	OC19. NOVEL BIOCATALYSTS AS LACCASE/POLYSACCHARIDE NANOASSEMBLIES Larisa-Maria PETRILA, ¹ Maria KARAYIANNI, ¹ Tudor VASILIU, ¹ Stergios PISPAS, ^{1,2} Marcela MIHAI ¹ ¹ <i>Petru Poni Institute of Macromolecular Chemistry, Iasi, Romania</i> ² <i>Theoretical and Physical Chemistry Institute, National Hellenic Research Foundation, Athens, Greece</i>
	11 ⁴⁵ – 12 ³⁰	PL10. POLYMER PRECISION IN POLYMER SYNTHESIS: FROM SUSTAINABLE POLYMERS TO BIOACTIVE GLYCOPOLYMERS C. Remzi BECER <i>Department of Chemistry, University of Warwick, Coventry, United Kingdom</i>
	12 ⁴⁰ – 13 ⁰⁰ AWARDS & Conference Closing	
	13 ⁰⁰ – 14 ³⁰ Lunch	



POSTERS LIST

Chairs: Narcisa-Laura MARANGOCI and Marius-Mihai ZAHARIA

- PP1 FLUORESCENCE PROPERTIES OF CARBON DOTS SYNTHESIZED VIA HYDROTHERMAL TREATMENT OF TRYPTOPHAN/N-HYDROXYPHTHALIMIDE PRECURSORS WITH MANGANESE DOPING: AN EXCITATION-EMISSION MATRIX STUDY**

Adina COROABA, Ioan-Andrei DASCALU, Oana-Elena CARP,
Narcisa-Laura MARANGOCI

Petru Poni Institute of Macromolecular Chemistry, Iasi, Romania

- PP2 THEORETICAL NORFLOXACIN LOADED BIODEGRADABLE CHITOSAN/QUATERNIZED CHITOSAN NANOFIBERS FUNCTIONALIZED WITH AN ANTIFUNGAL ALDEHYDE AS WOUND DRESSINGS**

Vera-Maria PLATON,¹ Sandu CIBOTARU,¹ Alexandru ANISIEI,¹ Irina ROSCA,¹
Isabela-Andreea SANDU,¹ Corneliu-George COMAN,^{2,3}

Liliana MITITELU-TARTAU,² Bianca-Iustina ANDREICA,¹ Luminita MARIN¹

¹*Petru Poni Institute of Macromolecular Chemistry, Iasi, Romania*

²*Gr. T. Popa University of Medicine and Pharmacy of Iasi, Faculty of Medicine, Pharmacology, Clinical Pharmacology and Algesiology Department, Iasi, Romania*

³*Université de Mons, Faculté de Médecine, Pharmacie et Sciences Biomédicales, Belgium*

- PP3 DEVELOPMENT AND CHARACTERIZATION OF A MULTIFUNCTIONAL BIOACTIVE COMPLEX AS A REGULATOR FOR MELANOGENESIS**

Alexandra VIERU,¹ Alina Gabriela RUSU,¹ Alina GHILAN,¹

Liliana MITITELU-TARTAU,² Alexandru SERBAN,¹ Loredana Elena NITA¹

¹*Petru Poni Institute of Macromolecular Chemistry, Iasi, Romania*

²*Gr. T. Popa University of Medicine and Pharmacy of Iasi, Iasi, Romania*

- PP4 NEXT-GENERATION ANTIBACTERIAL MATERIALS: TAILORED DESIGN AND SYNTHESIS OF PULLULAN DERIVATIVES**

Gabriela BILIUTA, Raluca Ioana BARON, Sergiu COSERI

Petru Poni Institute of Macromolecular Chemistry, Iasi, Romania

- PP5 IDENTIFICATION OF FLUORESCENCE ORIGIN IN CARBON DOT SYNTHESIS – CASE STUDY**

Ioan-Andrei DASCALU, Maurusa IGNAT, Adina COROABA,
Narcisa-Laura MARANGOCI

Petru Poni Institute of Macromolecular Chemistry, Iasi, Romania

- PP6 INVESTIGATION OF AMINE-RESPONSIVE PROPERTIES OF FUNCTIONALIZED AZULENES FOR POTENTIAL SENSING APPLICATIONS**

Mihaela HOMOCIANU,¹ Dragos Lucian ISAC,¹ Anton AIRINEI,¹
Mihaela CRISTEA²

¹*Petru Poni Institute of Macromolecular Chemistry, Iasi, Romania*

²*C. D. Nenitescu Institute of Organic and Supramolecular Chemistry, Bucharest, Romania*

- PP7 POLY(VINYL ALCOHOL)/GELATIN/TANNIC ACID/LIGNIN NANOPARTICLES HYDROGELS FOR AGRICULTURE APPLICATION**

Cosmina-Maria BOGZA, Maria-Cristina POPESCU

Petru Poni Institute of Macromolecular Chemistry, Iasi, Romania



PP8 NEW NANOCOMPOSITE MATERIALS WITH MULTIPLE THERMOREGULATION MECHANISMS

George Theodor STIUBIANU,¹ Bianca-Iulia CIUBOTARU,^{1,2}
Alexandra BARGAN,¹ Mihaela DASCALU,¹ Adrian BELE,¹ Cristian URSU,¹
Roxana SOLOMON¹

¹*Petru Poni Institute of Macromolecular Chemistry, Iasi, Romania*

²*Gr. T. Popa University of Medicine and Pharmacy of Iasi, Department of Biomedical Sciences, Faculty of Medical Bioengineering, Iasi, Romania*

PP9 VERSATILE POLYIMIDE-BASED SENSING COATINGS FOR PHENOL VAPOURS DETECTION

Adriana-Petronela CHIRIAC, Irina BUTNARU, Mariana-Dana DAMACEANU
Petru Poni Institute of Macromolecular Chemistry, Iasi, Romania

PP10 HYBRID THERMOREVERSIBLE POLYURETHANE-PEPTIDE HYDROGELS WITH SELF-HEALING PROPERTIES

Alexandra LUPU,¹ Luiza Madalina GRADINARU,¹ Vasile-Robert GRADINARU,²
Maria BERCEA¹

¹*Petru Poni Institute of Macromolecular Chemistry, Iasi, Romania*

²*Alexandru Ioan Cuza University, Faculty of Chemistry, Iasi, Romania*

PP11 POLY(2-OXAZOLINE)S CONJUGATED WITH CHELATORS FOR THE DESTRUCTION OF BACTERIAL CELL MEMBRANES

Marcelina BOCHENEK,¹ Barbara MENDREK,¹ Wojciech WAŁACH,¹
Aleksander FORYŚ,¹ Jerzy KUBACKI,² Łukasz JAŁOWIECKI,³
Jacek BORGULAT,³ Grażyna PŁAZA,⁴ Agnieszka KLAMA-BARYŁA,⁵
Anna SITKOWSKA,⁵ Agnieszka KOWALCZUK,¹ Natalia OLESZKO-TORBUS¹

¹*Centre of Polymer and Carbon Materials, Polish Academy of Sciences, Zabrze, Poland*

²*A. Chelkowski Institute of Physics, University of Silesia in Katowice, Chorzow, Poland*

³*Institute for Ecology of Industrial Areas, Katowice, Poland*

⁴*Faculty of Organization and Management, Silesian University of Technology, Zabrze, Poland*

⁵*Dr. Stanislaw Sakiel Center for Burn Treatment, Siemianowice Slaskie, Poland*

PP12 SIMULTANEOUS QUANTITATIVE DETERMINATION OF URSOLIC, POMOLIC, OLEANOLIC AND ROSMARINIC ACIDS IN PEPPERMINT EXTRACTS. A COMPARATIVE STUDY OF 2D-NMR AND HPLC DATA

Veaceslav KULCITKI,¹ Adrian TOPALA,¹ Vladilena GIRBU,¹ Alic BARBA,¹
Alina NICOLESCU,² Calin DELEANU^{2,3}

¹*Moldova State University, Institute of Chemistry, Republic of Moldova*

²*Petru Poni Institute of Macromolecular Chemistry, Iasi, Romania*

³*C. D. Nenitescu Institute of Organic and Supramolecular Chemistry, Romania*

PP13 SILSESQUIOXANES-BASED HYBRID MATERIALS FOR ENVIRONMENTAL APPLICATIONS (CO₂ CAPTURE)

Alexandra BARGAN,¹ Mihaela DASCALU,¹ Bianca-Iulia CIUBOTARU,^{1,2}
Mirela-Fernanda ZALTARIOV,¹ Adrian BELE,¹ George Theodor STIUBIANU,¹
Muslum DEMIR,^{3,4} Maria CAZACU¹

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³*Bogazici University, Department of Chemical Engineering, Istanbul, Turkey*

⁴*Material Institute, TUBITAK Marmara Research Center, Gebze, Turkey*



PP14 DESIGN AND ENGINEERING OF FLOATABLE HYBRID AEROGELS BASED ON CELLULOSE NANOFIBERS

Andreea L. CHIBAC-SCUTARU, Violeta MELINTE, Gabriela BILIUTA,
Madalina E. BISTRICEANU, Raluca I. BARON, Sergiu COSERI
Petru Poni Institute of Macromolecular Chemistry, Iasi, Romania

PP15 3D PRINTED SCAFFOLDS BASED ON FUNCTIONALISED GELATIN AND XANTHAN GUM FOR SOFT TISSUE ENGINEERING

Isabella NACU,¹ Anca TOMA,¹ Maria BUTNARU,¹ Loredana Elena NITA,²
Liliana VERESTIUC¹

¹*Gr. T. Popa University of Medicine and Pharmacy of Iasi, Department of
Biomedical Sciences, Faculty of Medical Bioengineering, Iasi, Romania*

²*Petru Poni Institute of Macromolecular Chemistry, Iasi, Romania*

POSTERS – Workshop HYBSAC**W.PP1 ECO-FRIENDLY SYNTHESIS OF CHITOSAN-g-PNIPAM/AuNPs THERMORESPONSIVE NANOCOMPOSITES**

Marius-Mihai ZAHARIA,¹ Melinda-Maria BAZARGHIDEANU,¹
Alina-Petronela MORARU,¹ Florin BUCATARIU,¹ Marcela MIHAI,¹
Stergios PISPAS^{1,2}

W.PP2 CHITOSAN-g-POLY(N-ISOPROPYLACRYLAMIDE) BASED POLYPLEXES: EFFECT OF DNA LENGTH

Maria KARAYIANNI,¹ Elena-Daniela LOTOS,¹ Marcela MIHAI,²
Stergios PISPAS^{1,2}

W.PP3 IN SITU AuNPs SYNTHESIS USING AS STABILIZER/MEDIATOR AMYLOPECTIN-g-POLY(ACRYLIC ACID)

Melinda-Maria BAZARGHIDEANU,¹ Marius-Mihai ZAHARIA,¹
Alina-Petronela MORARU,¹ Florin BUCATARIU,¹ Stergios PISPAS,^{1,2}
Marcela MIHAI¹

W.PP4 NATURAL–SYNTHETIC HYBRID NANOSTRUCTURES BY INTERACTION OF CHITOSAN WITH CARBOXYLATE ENDED PNIPAM

Elena-Daniela LOTOS,¹ Maria KARAYIANNI,¹ Marcela MIHAI,¹
Stergios PISPAS^{1,2}

W.PP5 INTERACTION STUDIES OF CHITOSAN-g-PNIPAM MULTIRESPONSIVE CHAINS WITH A MODEL PROTEIN

Florin BUCATARIU,¹ Marius-Mihai ZAHARIA,¹ Larisa-Maria PETRILA,¹
Marcela MIHAI,¹ Stergios PISPAS^{1,2}

W.PP6 HYBRID MATERIALS BASED ON GRAFT COPOLYMERS CONTAINING POTATO STARCH AND POLY(ACRYLIC ACID)

Diana-Felicia LOGHIN,¹ Stefania RACOVITA,¹ Silvia VASILIU,¹
Mihaela Iuliana AVADANEI,¹ Ana-Maria MACSIM,¹
Melinda-Maria BAZARGHIDEANU,¹ Stergios PISPAS,^{1,2} Marcela MIHAI¹

W.PP7 ENZYME/POLYSACCHARIDE NANOASSEMBLIES: PREPARATION, CHARACTERISATION AND POTENTIAL APPLICATIONS

Larisa-Maria PETRILA,¹ Maria KARAYIANNI,¹
Timeea-Anastasia CIOBANU,¹ Tudor VASILIU,¹
Stergios PISPAS,^{1,2} Marcela MIHAI¹

¹*Petru Poni Institute of Macromolecular Chemistry, Iasi, Romania*

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Notes, ideas and thoughts



Notes, ideas and thoughts

