



ROMANIAN  
SOCIETY OF  
RHEOLOGY



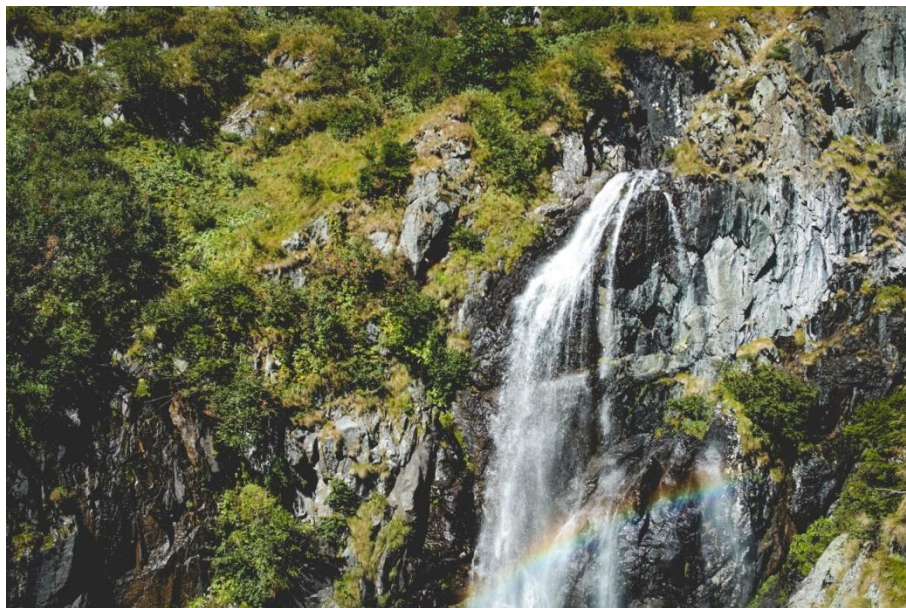
"PETRU PONI"  
INSTITUTE OF  
MACROMOLECULAR  
CHEMISTRY

# INTERNATIONAL CONFERENCE ON RHEOLOGY

*Understanding the Viscoelastic Behavior  
of Materials – Progress and Challenges*

(Online scientific event)

## ***CONFERENCE PROGRAM***



**IASI, ROMANIA, MAY 26<sup>th</sup>, 2022**

## Scientific Committee

**Acad. Bogdan C. SIMIONESCU**

Romanian Academy

**Prof. Dr. Corneliu BALAN**

REOROM Group, Polytechnica University, Bucharest

**Dr. Valeria HARABAGIU**

"Petru Poni" Institute of Macromolecular Chemistry, Iasi

**Prof. Dr. Maria LUNGU**

"Gheorghe Asachi" Technical University of Iasi

**Conf. Dr. Adina Lucretia MICLAUS**

Babes-Bolyai University, Cluj-Napoca

**Prof. Dr. Catalin FETECAU**

Dunarea de Jos University of Galati

**Prof. Dr. Constanta IBANESCU**

"Gheorghe Asachi" Technical University of Iasi

**Prof. Dr. Mihaela Violeta GHICA**

Carol Davila University of Medicine and Pharmacy, Bucharest

**Dr. Simona MORARIU**

"Petru Poni" Institute of Macromolecular Chemistry, Iasi

**Prof. Dr. Cristina-Elena DINU-PIRVU**

Carol Davila University of Medicine and Pharmacy, Bucharest

**Prof. Dr. Ioan MAMALIGA**

"Gheorghe Asachi" Technical University of Iasi

**Conf. Dr. Alina-Ruxandra ORTAN**

University of Agronomic Sciences and Veterinary Medicine, Bucharest

**Scientific Committee Chair:**

**Acad. Bogdan C. SIMIONESCU**

**Technical Program Chair:**

**Dr. Mariana CRISTEA**

**Conference Chair:**

**Dr. Maria BERCEA**

## Organizing committee

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

**Dr. Mariana CRISTEA**

**Dr. Cristina-Eliza BRUNCHI**

**Dr. Anca FILIMON**

**Dr. Mirela TEODORESCU**

**Dr. Daniela IONITA**

**Dr. Maricel DANU**

**Dr. Diana CIOLACU**

**Dr. Maria BERCEA**

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## ORAL PRESENTATIONS

8<sup>40</sup> – 17<sup>00</sup>

**PC – Plenary Conference (45 min, Q & A included)**

**C – Conference (30 min, Q & A included)**

**L – Lectures (15 min, Q & A included)**

"Petru Poni" Institute of Macromolecular Chemistry is inviting you to a scheduled Zoom meeting:

*Topic: Rheology Conference*

*Time: May 26<sup>th</sup>, 2022, 8<sup>30</sup> - 18<sup>00</sup> (local time in Iasi, GMT+3)*

*Join Zoom Meeting:*

<https://us06web.zoom.us/j/82097395470?pwd=SmlEVStYMIoxV204ek5CcTZoUmhIQT09>

*Meeting ID: 820 9739 5470*

*Passcode: 603106*

IT Support: **Eng. Iulian PARFENI**  
**Eng. Catalin BUZDUGAN**

## POSTER SESSION

17<sup>00</sup> – 17<sup>40</sup>

### **P – POSTER**

Posters will be displayed at the following address:

<https://reologie.ro/international-conference-on-rheology-may-2022/>

and they can be seen during the entire Conference

### **LANGUAGE**

The conference language is English.

## PROGRAM AT A GLANCE

The hours represent local time: EEST, GMT+3

8<sup>30</sup> - 8<sup>40</sup> **Introductory remarks**

### Session 1

**Chair: Prof. Dr. Corneliu BALAN**

8<sup>40</sup> – 9<sup>25</sup> **PC1** Roland KADAR

9<sup>25</sup> – 9<sup>55</sup> **C1** Daniela IONITA

9<sup>55</sup> – 10<sup>10</sup> **L1** Vlad SOCOLIUC

10<sup>10</sup> – 10<sup>25</sup> **L2** Edith PEUVREL-DISDIER

10<sup>25</sup> – 10<sup>35</sup> **Break**

### Session 2

**Chair: Conf. Dr. Adina Lucretia MICLAUS**

10<sup>35</sup> – 11<sup>05</sup> **C2** Marius CHERECHES

11<sup>05</sup> – 11<sup>20</sup> **L3** Luiza Madalina GRADINARU

11<sup>20</sup> – 11<sup>35</sup> **L4** Elena-Emilia TUDOROIU

11<sup>35</sup> – 11<sup>50</sup> **L5** Maria-Manuela IFTIME

11<sup>50</sup> – 12<sup>00</sup> **Break**

### Session 3

**Chair: Dr. Diana CIOLACU**

12<sup>00</sup> – 12<sup>30</sup> **C3** Daniela IVANOV

12<sup>30</sup> – 12<sup>45</sup> **L6** Simona Luminita NICA

12<sup>45</sup> – 13<sup>00</sup> **L7** Cristina-Eliza BRUNCHI

13<sup>00</sup> – 13<sup>15</sup> **L8** Magdalena AFLORI

13<sup>15</sup> – 14<sup>00</sup> **Break**

### Session 4

**Chair: Dr. Mariana CRISTEA**

14<sup>00</sup> – 14<sup>45</sup> **PC2** Corneliu BALAN

14<sup>45</sup> – 15<sup>00</sup> **L9** Ana-Maria BRATU

15<sup>00</sup> – 15<sup>15</sup> **L10** Claudiu PATRASCU

15<sup>15</sup> – 15<sup>30</sup> **L11** Nicoleta-Octavia TANASE

15<sup>30</sup> – 15<sup>45</sup> **Break**

### Session 5

**Chair: Dr. Maria BERCEA**

15<sup>45</sup> – 16<sup>00</sup> **L12** Martin MASUELLI

16<sup>00</sup> – 16<sup>15</sup> **L13** Fernanda TORRES

16<sup>15</sup> – 16<sup>30</sup> **L14** Martin MASUELLI

16<sup>30</sup> – 16<sup>45</sup> **L15** Lismet LAZO

16<sup>45</sup> – 17<sup>00</sup> **L16** Robert GRADINARU

17<sup>00</sup> – 17<sup>40</sup> **Session POSTERS**

**Chairs: Dr. Andreea Irina BARZIC,  
Dr. Maricel DANU, Dr. Anca FILIMON**

**P1** Anda Mihaela CRACIUN

**P2** Raluca Nicoleta DARIE-NITA

**P3** Diana CIOLACU

**P4** Marieta NICHIFOR

**P5** Alexandra CROITORIU

**P6** Alexandra CROITORIU

**P7** Diana SERBEZEANU

**P8** Tachita VLAD-BUBULAC

**P9** Dana M. SUFLET

**P10** Mihaela Dorina ONOFREI

**P11** Adina Maria DOBOS

**P12** Mirela TEODORESCU

**P13** Ioana-Victoria PLATON

**P14** Stefania-Claudia JITARU

**P15** Ioana-Alexandra PLUGARU

17<sup>40</sup> – 18<sup>00</sup> **Concluding remarks**

# PROGRAM

Thursday, May 26<sup>th</sup>, 2022

8<sup>30</sup> – 8<sup>40</sup>

Introductory remarks

## Session 1

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Chair: Prof. Corneliu BALAN

8<sup>40</sup> – 9<sup>25</sup>

Plenary Conference (PC1)

**CELLULOSE NANOCRYSTALS IN SIMPLE AND NOT SO SIMPLE FLOWS**

**Roland KADAR**

Chalmers University of Technology, Göteborg, Sweden

Wallenberg Wood Science Center (WWSC), Chalmers, Göteborg, Sweden

9<sup>25</sup> – 9<sup>55</sup>

Conference (C1)

**CHALLENGES IN THE EVALUATION OF LOSS FACTOR PROBED BY DMA  
VERSUS THE RELATION STRUCTURE-PROPERTY OF POLYMERS**

**Daniela IONITA, Mariana CRISTEA, Constantin GAINA, Bogdan C. SIMIONESCU**

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

9<sup>55</sup> – 10<sup>10</sup>

Lecture (L1)

**FERROFLUID BASED BIDISPERSE MAGNETORHEOLOGICAL SUSPENSIONS:  
THE INFLUENCE OF PARTICLE SIZE**

**Daniela SUSAN-RESIGA<sup>1,2</sup>, Vlad SOCOLIUC<sup>1</sup>, Ladislau VEKAS<sup>1,3</sup>**

<sup>1</sup> Romanian Academy – Timisoara Branch, Center for Fundamental and Advanced Technical Research, Laboratory for Magnetic Fluids, Timisoara, Romania

<sup>2</sup> West University of Timisoara, Faculty of Physics, Timisoara, Romania

<sup>3</sup> Politehnica University of Timisoara, Research Center for Complex Fluids Systems Engineering, Timisoara, Romania

10<sup>10</sup> – 10<sup>25</sup>

Lecture (L2)

**FOAMABILITY OF LINEAR AND BRANCHED POLYPROPYLENES BY PHYSICAL  
EXTRUSION FOAMING - INPUT OF THE THERMOMECHANICAL ANALYSIS OF  
PRESSURE DROP IN THE DIE**

**Carlos SANDINO<sup>1</sup>, Edith PEUVREL-DISDIER<sup>1</sup>, Jean-François AGASSANT<sup>1</sup>,  
Séverine A.E. BOYER<sup>1</sup>, Patrice LAURE<sup>1,2</sup>, Geoffrey HIBERT<sup>3</sup>, Yves TROLEZ<sup>3</sup>**

<sup>1</sup> MINES Paris - PSL, CEMEF – Centre de Mise en Forme des Matériaux, UMR CNRS 7635, Sophia Antipolis, France

<sup>2</sup> Laboratoire J.-A. Dieudonné, CNRS UMR 6621, Université Côte d'Azur, Nice, France

<sup>3</sup> TotalEnergies One Tech Belgium, Zone Industrielle Feluy C, Feluy, Belgium

10<sup>25</sup> – 10<sup>35</sup>

Break

## Session 2

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Chair: Conf. Adina Lucretia MICLAUS

10<sup>35</sup> – 11<sup>05</sup>

Conference (C2)

**PEG NANOPARTICLE ENHANCED FLUIDS WITH Al<sub>2</sub>O<sub>3</sub> AND ZnO. VISCOSITY STUDIES**

**Marius CHERECHES<sup>1</sup>, Constanta IBANESCU<sup>2</sup>, Maricel DANU<sup>2,3</sup>,**

**Elena Ionela CHERECHES<sup>1</sup>, Alina Adriana MINEA<sup>1</sup>**

<sup>1</sup> "Gheorghe Asachi" Technical University of Iasi, Faculty of Materials Science and Engineering, Iasi, Romania

<sup>2</sup> "Gheorghe Asachi" Technical University of Iasi, Faculty of Chemical Engineering and Environmental Protection "Cristofor Simionescu", Iasi, Romania

<sup>3</sup> "Petru Poni" Institute of Macromolecular Chemistry, Iasi, Romania

11<sup>05</sup> – 11<sup>20</sup>

Lecture (L3)

**TAILORING THE PROPERTIES OF ELECTROSPUN POLYURETHANE-BASED MAGNETIC NANOCOMPOSITES BY USING THE RHEOLOGICAL DATA**

**Luiza Madalina GRADINARU<sup>1</sup>, Maria BERCEA<sup>1</sup>, Stelian VLAD<sup>1</sup>,**

**Romeo Cristian CIOBANU<sup>2,3</sup>**

<sup>1</sup> "Petru Poni" Institute of Macromolecular Chemistry, Iasi, Romania

<sup>2</sup> "Gheorghe Asachi" Technical University of Iasi, Electrical Engineering Faculty, Iasi, Romania

<sup>3</sup> All Green SRL, Iasi, Romania

11<sup>20</sup> – 11<sup>35</sup>

Lecture (L4)

**ANALYSIS OF *IN VITRO* RELEASE PROFILES AND RHEOLOGICAL PARAMETERS FOR SOME NAPROXEN-BASED TOPICAL SEMI-SOLID SYSTEMS**

**Elena-Emilia TUDOROIU<sup>1</sup>, Mihaela Violeta GHICA<sup>1</sup>, Cristina-Elena DINU-PIRVU<sup>1</sup>,**

**Lacramioara POPA<sup>1</sup>, Madalina Georgiana ALBU KAYA<sup>2</sup>, Valentina ANUȚA<sup>1</sup>,**

**Razvan Mihai PRISADA<sup>1</sup>, Bruno Stefan VELESCU<sup>3</sup>, Alina-Ruxandra ORTAN<sup>4</sup>**

<sup>1</sup> Department of Physical and Colloidal Chemistry, Faculty of Pharmacy, Carol Davila University of Medicine and Pharmacy, Bucharest, Romania

<sup>2</sup> Department of Collagen, Division Leather and Footwear Research Institute, National Research and Development Institute for Textile and Leather, Bucharest, Romania

<sup>3</sup> Department of Pharmacology and Clinical Pharmacy, Faculty of Pharmacy, Carol Davila University of Medicine and Pharmacy Bucharest, Romania

<sup>4</sup> Department of Mathematics, Physics and Measurements, Faculty of Land Reclamation and Environmental Engineering, University of Agronomic Sciences and Veterinary Medicine of Bucharest, Romania

11<sup>35</sup> – 11<sup>50</sup>

Lecture (L5)

**EFFECT OF CROSSLINKING DEGREE ON THE RHEOLOGY OF SALICYL-IMINE-CHITOSAN HYDROGELS**

**Manuela-Maria IFTIME, Simona MORARIU**

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

11<sup>50</sup> – 12<sup>00</sup>

Break

**Session 3**

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**Chair: Dr. Diana CIOLACU**

12<sup>00</sup> – 12<sup>30</sup>

Conference (C3)

**HYALURONAN IN BIOLOGICAL FLUIDS AND ITS RELATED BIOMEDICAL APPLICATIONS**

**Daniela IVANOV**

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

12<sup>30</sup> – 12<sup>45</sup>

Lecture (L6)

**THE ROLE OF DIAMINE MOIETIES ON THE RHEOLOGICAL BEHAVIOUR OF SOME POLYIMIDES**

**Simona Luminita NICA, Raluca Marinica ALBU, Luminita Ioana BURUIANA, Andreea Irina BARZIC**

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

12<sup>45</sup> – 13<sup>00</sup>

Lecture (L7)

**VISCOELASTIC PROPERTIES OF XANTHAN IN AQUEOUS SOLUTIONS**

**Cristina-Eliza BRUNCHI**

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

13<sup>00</sup> – 13<sup>15</sup>

Lecture (L8)

**PARTNERSHIPS FOR KNOWLEDGE TRANSFER IN THE FIELD OF POLYMER MATERIALS USED IN BIOMEDICAL ENGINEERING – POINGBIO**

**Magdalena AFLORI, Maria SPIRIDON**

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

13<sup>15</sup> – 14<sup>00</sup>

Break



## Session 4

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Chair: Dr. Mariana CRISTEA

14<sup>00</sup> – 14<sup>45</sup>

Plenary Conference (PC2)

**ARTIFICIAL INTELLIGENCE AND THE CONSTITUTIVE RELATION THEORY – A HISTORICAL PERSPECTIVE**

**Diana BROBOANA, Corneliu BALAN**

REOROM Group, Hydraulics Department, University Politehnica of Bucharest, Romania

14<sup>45</sup> – 15<sup>00</sup>

Lecture (L9)

**INFLUENCE OF PEO CONCENTRATION ON THE FILAMENT EVOLUTION**

**Ana-Maria BRATU, Corneliu BALAN**

REOROM Group, Hydraulics Department, University Politehnica of Bucharest, Romania

15<sup>00</sup> – 15<sup>15</sup>

Lecture (L10)

**EXPERIMENTAL OBSERVATIONS OF THE CAPILLARY FLOW OF A VISCOELASTIC PEO SOLUTION IN TANDEM WITH ANOTHER IMMISCIBLE LIQUID**

**Ioana RASUCEANU, Claudiu PATRASCU**

REOROM Group, Hydraulics Department, University Politehnica of Bucharest, Romania

15<sup>15</sup> – 15<sup>30</sup>

Lecture (L11)

**AIR – NON-NEWTONIAN FLUID INTERACTION IN CONFINED GEOMETRY**

**Nicoleta-Octavia TANASE, Eugen CHIRIAC, Ciprian MATEESCU,**

**Doru-Daniel CRISTEA**

REOROM Group, Hydraulics Department, University Politehnica of Bucharest, Romania

15<sup>30</sup> – 15<sup>45</sup>

Break

## Session 5

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Chair: Dr. Maria BERCEA

15<sup>45</sup> – 16<sup>00</sup>

Lecture (L12)

**INTRINSIC VISCOSITY METHODS BY ACACIA CAVEN GUM**

**Franco TONELLI<sup>1</sup>, Martin MASUELLI<sup>2</sup>**

<sup>1</sup> Laboratory of Chemical Reactions Engineering, FICA-UNSL, Argentina

<sup>2</sup> Physical Chemistry Research and Services Laboratory (LISEQF-UNSL), National University of San Luis-INFAP-CONICET, San Luis, Argentina

**16<sup>00</sup> – 16<sup>15</sup>**

**Lecture (L13)**

**HYDRODYNAMIC PARAMETERS OF *CHAÑAR BREA* GUM**

**Fernanda TORRES, Karen GIL MILAC, Martin MASUELLI**

Laboratorio de Investigación y Servicios, Universidad Nacional de San Luis, INFAP-CONICET, San Luis, Argentina

**16<sup>15</sup> – 16<sup>30</sup>**

**Lecture (L14)**

**HYDRODYNAMIC PROPERTIES OF *ALCAYOTA* GUM**

**Federico BECERRA, Marisa ZANON, Martin MASUELLI**

Laboratorio de Investigación y Servicios, Universidad Nacional de San Luis, INFAP-CONICET, San Luis, Argentina

**16<sup>30</sup> – 16<sup>45</sup>**

**Lecture (L15)**

**HYDRODYNAMIC PROPERTIES OF *CHAÑAR* GUM FROM *GEOFFREA DECORTICANS* FRUIT**

**Lismet LAZO<sup>1</sup>, Martin A. MASUELLI<sup>1,2</sup>**

<sup>1</sup> Instituto de Física Aplicada, CONICET, Universidad Nacional de San Luis, Ejercito de los Andes 950, San Luis ZC: 5700, Argentina

<sup>2</sup> Área de Química Física, Departamento de Química, Facultad de Química, Bioquímica y Farmacia, Laboratorio de Investigación y Servicios de Química Física (LISEQF-UNSL), San Luis, Argentina

**16<sup>45</sup> – 17<sup>00</sup>**

**Lecture (L16)**

**A MICROPLATE ASSAY FOR TRACKING PEPTIDE-ALGINATE OR PROTEIN-ALGINATE GELATION ASSISTED BY GLUTARALDEHYDE**

**Stefania-Claudia JITARU, Alexandra LUPU, Vasile Robert GRADINARU**

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

## Session POSTERS

Chairs: Dr. Andreea Irina BARZIC, Dr. Maricel DANU, Dr. Anca FILIMON

17<sup>00</sup> – 17<sup>40</sup>

### P1. RHEOLOGICAL INVESTIGATIONS ON 5-NITROSALICYLALDEHYDE-CHITOSAN HYDROGELS

Anda Mihaela CRACIUN, Simona MORARIU, Luminita MARIN

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

### P2. RHEOLOGICAL AND MECHANICAL PROPERTIES OF XANTHAN-BASED CRYOGELS

Raluca Nicoleta DARIE-NITA, Irina Elena RASCHIP, Nicusor FIFERE, Maria Valentina DINU

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

### P3. RHEOLOGICAL ASPECTS ON CELLULOSE-BASED HYDROGELS

Daniela RUSU, Raluca Nicoleta DARIE-NITA, Diana CIOLACU

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

### P4. PHASE BEHAVIOR OF MIXTURES OF AMPHIPHILIC CATIONIC POLYSACCHARIDES AND ANIONIC SURFACTANTS

Marieta NICHIFOR<sup>1</sup>, Margarida BASTOS<sup>2</sup>, Antonio LOPES<sup>3</sup>

<sup>1</sup> "Petru Poni" Institute of Macromolecular Chemistry, Iasi, Romania

<sup>2</sup> Faculty of Science, University of Porto, Porto, Portugal

<sup>3</sup> Instituto de Tecnologia Química e Biológica, Oeiras, Portugal

### P5. HYBRID HYDROGELS BASED ON PEPTIDE

Alexandra CROITORIU, Loredana E. NITA, Alina G. RUSU, Alina GHILAN, Florica DOROFTEI, Maria BERCEA, Aurica P. CHIRIAC

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

### P6. INVESTIGATION OF AN INTERPENETRATED POLYMER SYSTEM CONTAINING CELLULOSE NANOFIBRILS AND A COPOLYMACROLACTONE STRUCTURE

Alexandra CROITORIU, Loredana E. NITA, Alina G. RUSU, Alina GHILAN, Florica DOROFTEI, Maria BERCEA, Aurica P. CHIRIAC

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

### P7. STRUCTURE AND PROPERTIES OF POLY(VINYL ALCOHOL) MODIFIED WITH PHOSPHONIC DICHLORIDES

Diana SERBEZEANU, Mihaela Dorina ONOFREI, Corneliu HAMCIUC, Ana-Lavinia VASILIU, Tachita VLAD-BUBULAC

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

**P8. CORRELATION BETWEEN SOLUTION RHEOLOGY AND ELECTROSPUN FIBERS FORMATION OF NEW POLYIMIDE**

**Tachita VLAD-BUBULAC, Maria BERCEA, Corneliu HAMCIUC, Diana SERBEZEANU, Florica DOROFTEI**

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

**P9. POLYSACCHARIDE-BASED ELECTROSPUN NANOFIBERS. PREPARATION AND CHARACTERIZATION**

**Dana M. SUFLET<sup>1</sup>, Irina POPESCU<sup>1</sup>, Irina M. PELIN<sup>1</sup>, Diana SERBEZEANU<sup>1</sup>, Alexandru Alin ENACHE<sup>2</sup>, Maria BERCEA<sup>1</sup>**

<sup>1</sup> "Petru Poni" Institute of Macromolecular Chemistry, Iasi, Romania

<sup>2</sup> Apel Laser S.A., Mogosoaia, Ilfov, Romania

**P10. DYNAMIC PROPERTIES OF THE (HYDROXYPROPYL)METHYL CELLULOSE / POLY(VINYLPYRROLIDONE) / WATER SYSTEMS. INFLUENCE ON THE FORMATION OF FIBROUS MATERIALS**

**Mihaela Dorina ONOFREI, Diana SERBEZEANU, Alexandru ANISIEI, Anca FILIMON**

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

**P11. CONFORMATIONAL RESTRUCTURATIONS IN POLYSULFONIC SYSTEMS INDUCED BY TRIETHYLPHOSPHONIUM PENDANT GROUPS**

**Adina Maria DOBOS<sup>1</sup>, Adriana POPA<sup>2</sup>, Dumitru POPOVICI<sup>1</sup>, Anca FILIMON<sup>1</sup>**

<sup>1</sup> "Petru Poni" Institute of Macromolecular Chemistry, Iasi, Romania

<sup>2</sup> "Coriolan Drăgulescu" Institute of Chemistry, Timisoara, Romania

**P12. VISCOSITY STUDY OF PVA, PVP AND THEIR MIXTURES IN DILUTE AQUEOUS SOLUTION**

**Mirela TEODORESCU**

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

**P13. TEXTURAL AND MECHANICAL FEATURES OF POROUS CHITOSAN-BASED HYDROGELS**

**Ioana-Victoria PLATON, Claudiu-Augustin GHIORGHITA, Maria Marinela LAZAR, Irina Elena RASCHIP, Maria Valentina DINU**

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

**P14. A PH-TRIGGERED SELF-ASSEMBLING PEPTIDE STUDIED BY ATOMIC FORCE MICROSCOPY**

**Stefania-Claudia JITARU<sup>1</sup>, Robert-Vasile GRADINARU<sup>1</sup>, Brindusa-Alina PETRE<sup>1,2</sup>, Laura ION<sup>1</sup>, Iuliana STOICA<sup>3</sup>, Gabi DROCHIOIU<sup>1</sup>**

<sup>1</sup> Alexandru Ioan Cuza University, Faculty of Chemistry, Iasi, Romania

<sup>2</sup> TRANSCEND - Regional Institute of Oncology, Iasi, Romania

<sup>3</sup> "Petru Poni" Institute of Macromolecular Chemistry, Iasi, Romania

**P15. VISCOSITY OF BOVINE SERUM ALBUMIN SOLUTIONS IN PRESENCE OF NEUTRAL POLYMERS**

**Ioana-Alexandra PLUGARIU, Maria BERCEA**

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