



XIIth Franco-Romanian Symposium on Polymers
5-7 September 2016
Sophia Antipolis, France

Program

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Monday 5 September

- 09h45 – 10h00 Opening
- 10h00 – 10h30 **Plenary 1. Mihail Barboiu: Dynamic Constitutional Frameworks**
- 10h30 – 10h50 **O1. Véronique Bennevault** : Study of temperature sensitive supramolecular self-assemblies based on per-6-polyethylene oxide- β -cyclodextrin and α,ω -Di-(adamantylethyl)poly(*N*-isopropylacrylamide) in water
- 10h50 – 11h10 **O2. Nesrine Harfouche** : Electropolymerized polyaniline composite films as cathode material for Li-ion batteries
- 11h10 – 11h30 **O3. Luc Picton** : Rheological study of cross-linked hydrogels based on hyaluronic acid, collagen and serecin
- 11h30 – 11h50 **O4. Belén Levenfeld** : Application du moulage par injection et de l'extrusion de poudres à l'obtention de composants pour dispositifs électrochimiques
- 11h50 – 12h10 **O5. Edith Peuvrel-Disder** : Nanocomposites polypropylène/argile organomodifiée : Vers la détermination de conditions optimales d'extrusion
- 12h10** **Lunch**
- 13h30 – 13h50 **O6. Ariane Aubin** : Block copolymers based on semi-crystalline and amorphous chains: synthesis and crystallization properties
- 13h50 – 14h10 **O7. Magdalena-Cristina Stanciu** : New amphiphilic dextran-block-bile acid polyesters linked via 1,2,3-triazole
- 14h10 – 14h30 **O8. Patrick Martin**: The α -Amylase immobilization in gellan particles ionic crosslinked with magnesium acetate solution
- 14h30 – 14h50 **O9. Lucian-Mircea Rusnac** : Sur la biodegradation des copolymères avec hydrate de carbone en molécule
- 14h50 – 15h10 **O10. Marcel Popa** :Design and release studies of new cephalosporin from chitosan-g-poly(glycidyl methacrylate) microparticles
- 15h10 – 15h30 **O11. David Geta** : Design and synthesis of multicomponent 3D matrices for biomedical uses
- 15h30 – 15h50 **O12. Jean-François Chailan** : Comparison of natural humid tropical and artificial ageing effects on UD glass fibre epoxy matrix composites: interphase evolutions
- 15h50 – 16h10 **O13. Marin Luminita** : Dual crosslinking of chitosan with monoaldehydes – a promising pathway toward advanced materials
- 16h10 – 17h30** **Poster session**

Tuesday 6 September

- 09h00 – 09h20 **O14. Alexis Lemattre** : Flame retardancy of polymers: principle and application to unsaturated polyester resin
- 09h20 – 09h40 **O15. Manuela-Maria Iftime** : Preparation and characterization of super-porous hydrogels based on chitosan
- 09h40 – 10h00 **O16. Alice Mija** : Biobased epoxy thermosets
- 10h00 – 10h20 **O17. Loan Vo** : Effects of the nature of atmosphere during thermal treatment on chemical

	compositions and properties of miscanthus. Application to miscanthus-filled concrete
10h20 – 10h40	O18. Angela Marotta : Current scenario on bio-based epoxy and epoxy-phenolic resins
10h40 – 11h10	Break
11h10 – 11h30	O19. Adina Arvinte : Sol-gel based nanocomposite materials in electrochemical sensors for analytical applications
11h30 – 11h50	O20. Andreea Laura Chibac : Visible light photocatalytic activity of some hybrid polymeric composites
11h50 – 12h20	Plenary 2. Thierry Hamaide : Copolymères diblocs polysaccharide-b-polyéther tensioactifs pour la polymérisation en miniémulsion
12h20	Lunch
13h30	Departure to Monaco
19h30	Dinner in Antibes

Wednesday 7 September

09h00 – 09h20	O21. Cyrille Sollogoub : Relationship between crystallinity and gas barrier properties of polylactide: role of the rigid amorphous fraction
09h20 – 09h40	O22. Serghei Anatoli : Electrical and dielectric properties of polymeric materials: from bulk down to attograms and zeptograms of matter
09h40 – 10h00	O23. Daniela Ailincăi : Hydrogels based on chitosan and 2-formylphenyl boronic acid – promising materials for the treatment of Candida infections
10h00 – 10h20	O24. Andrei Sarbu : Sensitive polymer layers for biosensors
10h20 – 10h40	O25. Hugues Brisset : Electrochemical molecularly imprinted polymers to detect bisphenol A
10h40 – 11h10	Break
11h10 – 11h30	O26. Viorica Elena Podasca : Synthesis of polymeric composites with ZnO/Ag nanoparticles. for applications in photocatalysis
11h30 – 12h00	Plenary 3. Bogdan Simionescu : 150 ans de l'Académie Roumaine - symbole de l'identité culturelle et scientifique roumaine
12h00	Lunch
13h30 – 13h50:	O27. Edith Peuvrel-Disdier : Dispersion and crystallization of polypropylene/expanded graphite microcomposites: effect of graphite size
13h50 – 14h10	O28. Jordi Girones : Crystallization of polypropylene in the presence of <i>Miscanthus x giganteus</i> stems fragments

- 14h10 – 14h30: **O29. Mariana-Dana Damaceanu:** Red light-emitting materials for use in organic light-emitting diodes
- 14h30 – 14h50 **O30. Patrick Navard:** All cellulose acetate composites

14h50 **End of the conference**

Posters

- P 1: **Irina Rosca** Biosynthesis of exopolysaccharides by *Weisella confusa* and its in vitro functional characteristics
- P 2: **Violeta Melinte** Preparation of hybrid nanocomposites by photopolymerization using photoinitiator-modified montmorillonite
- P 3: **Adrian Fifere** Protocatechuic acid encapsulation with modified cyclodextrins and surface deposition onto magnetite nanoparticles
- P 4 : **Geza Bandur** Étude de copolymérisation des certains diacrylates de polyester-éther avec structure aliphatique-aromatique
- P 5: **Elena-Laura Ursu** DNA-gold nanoparticle-single-walled carbon nanotubes hybrids for biomedical applications
- P 6: **Cristina M Uritu** Low molecular weight PEI-based carriers enhance DNA transfer into the cells
- P 7: **Andrei Sarbu** Polyester-polyols for thermal insulating polyurethane RIGID foams, from PET wastes and biomass derived comonomers, in organic catalysis
- P 8: **Zina Vuluga & Mihai Cosmin Corobea** The effect of halloysite on stiffness-toughness properties of glass fibre reinforced polypropylene composites
- P 9: **Tanta-V Iordache** Drug selective nano-layers for surface plasmon resonance-based sensors
- P10: **Tanta-V Iordache** Synthesis and characterization of novel [N-(2-aminoethyl)-3-aminopropyl trimethoxy silane]-based molecularly imprinted films for bisphenol A recognition
- P11: **Marcel Popa** Researches on curcumin encapsulation and release from new particles based on ionic polysaccharides
- P12: **Anca N. Cadinoiu** Liposomal formulations for transdermal delivery of antifungal drugs
- P13: Corneliu S. Stan** Photoemissive complexes based on poly(2-hydroxy ethyl) methacrylate
- P14: **Liana Alupe** Chitosan-maltose magnetic nanoparticles for cancer cells therapy
- P15: **Erika di Giuseppe** Reinforcement potential of miscanthus post-harvest dust for polymer composites
- P16: **Savin Corina-Lenuta** New type of nanoparticles based on PEG methacrylate/acrylate grafted chitosan : a comparative study
- P17: **Corneliu S. Stan** Drug loaded liposomes embedded in chitosan/poly(vinyl alcohol) hydrogels for transdermal delivery