

Polymers and Organic Materials for Electronics and Photonics: Science for Applications

by Jiri Pflieger, conference chair

The conference was organized in Prague, 10-14 Sep 2017, as the **81st Prague Meetings on Macromolecules**, a series organized since 1967. It provided an interdisciplinary forum for scientists working in the field of molecular and polymeric materials with emphasis on the electrical, photoelectrical, and optical properties, phenomena, and applications. The main areas covered were the design, synthesis, processing, and characterization of novel functional organic materials and polymers, electrical, photoelectrical, optical and nonlinear optical phenomena, organic and hybrid electronic and photonic devices, and advanced materials and composites for biosensors, bioelectronics, and biophotonics. A particular session was dedicated to applications in flexible and wearable organic electronics and smart packaging, e.g., flexible printed electronics and photonics. The objectives were to promote an international cooperation of researchers both from academia and industry and to stimulate the research growth in the field of organic materials for electronics and photonics.

156 scientists from 33 countries participated at the conference. There were 8 plenary and 24 invited lectures given by world recognized scientists, accompanied by 38 oral contributions and 88 posters. Due to big expectations in the application field of large area printed electronics, wearable devices, printed RFIDs, displays, solar cells, and sensors, there is a growing demand to prepare polymers with better defined morphology and chemical and structural stability. Hence, improvement in the molecular design and new synthetic and processing routes is strongly required. The participation of specialists from the application field

of printed electronics provided a necessary feedback for further development of new materials with desired properties.

<https://www.imc.cas.cz/sympo/81pmm/>

Chemistry for Beauty and Health

by Alina Sionkowska, Conference Chair

The First International conference on Chemistry for Beauty and Health was held from 13-16 June 2018 at Nicolas Copernicus University in Torun, Poland. The conference was endorsed by IUPAC, the European Polymer Federation (EPF), and the Polish Society for Biomaterials (PSB). The conference was organized by the Department of Chemistry of Biomaterials and Cosmetics, Nicolas Copernicus University in Torun, Poland. There were about 90 participants from Canada, Brazil, Italy, Portugal, Spain, Switzerland, Russia, Czech Republic, Romania, United Kingdom, and Poland. The conference consisted of 3 plenary lectures, 6 invited talks, 16 oral presentations, and 3 poster sessions.

The main topics of the conference were:

- Biomaterials
- Cosmetic chemistry
- Polymers and biopolymers for beauty and health
- Pharmaceutical chemistry
- Food chemistry
- Applied chemistry

We held a Session for Young Scientists. The Plenary lecturers were given by:

Diego Mantovani, Laval University, Quebec City, Canada; *3D triple cell culture in bioreactors from collagen gel scaffolds: Innovation in cosmetics, advanced in vitro models and regenerative medicine*. Mauro Alini, AO, Davos; Switzerland, *Hyaluronan hydrogel platform for musculoskeletal regeneration*. Fernando Monteiro, University of Porto, Portugal; *Mimicking the extracellular matrix of bone through composite scaffolds for bone regeneration and drug releasing*.

Invited speakers included:

Leszek Kubisz, Poznań University of Medical Sciences, Poland; *Application of in vivo electric impedance measurement in human skin assessment*. Elżbieta Pamula, AGH University of Science and Technology in Kraków, Poland; *Engineering stimuli responsive nano- and microcarriers to enhance efficacy of the drug therapies*. Maria Letizia Focarete, Department of Chemistry

