

## WORKSHOP

### Geo Milev CAMPUS

#### ECO-FRIENDLY TECHNOLOGIES AND ADVANCED FUNCTIONAL POLYMERIC MATERIALS

29 May – 02 June 2023

**Location:** Institute of Polymers, Bulgarian Academy of Sciences

<b>29 May</b>	<p><b>Welcoming remarks</b> <b>Dr. Neli Koseva</b>, General Scientific Secretary of the Bulgarian Academy of Sciences</p> <p><b>Session 1: Eco-friendly and clean technologies</b></p> <p><b>Dr. Theodoros Sentoukas</b>, Centre of Polymer and Carbon Materials, Zabrze, Poland <i>Star-shaped copolymers as potential nanocarriers for theranostics applications</i></p> <p><b>Dr. Ivaylo Dimitrov</b>, Institute of Polymers, Bulgarian Academy of Sciences <i>Green synthesis and evaluation of functional amphiphilic block copolymer as a micellar curcumin delivery system</i></p> <p><b>Dr. Radostina Kalinova</b>, Institute of Polymers, Bulgarian Academy of Sciences <i>Solvent-free synthesis of multi-amino-functional block copolymer for DNA complexation</i></p> <p><b>Dr. Georgy Grancharov</b>, Institute of Polymers, Bulgarian Academy of Sciences <i>Polymer-organic solar cells based on PTB7-Fx : PC71BM active layer and sputtered Ag cathode contact</i></p> <p><b>Discussions</b></p>
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<b>30 May</b>	<p><b>Session 2: Research innovations and development at the Center of Excellence and the Center of Competence</b></p> <p><b>Mrs. Tsvetanka Todorova</b>, Chair of the Board of Branch Association Polymers <i>National polymers processors, companies trading in polymer raw materials and recyclates – problems and perspectives</i></p> <p><b>Dr. Petar Petrov</b>, Director of the Institute of Polymers, Bulgarian Academy of Sciences <i>Research infrastructure of IP-BAS - opportunities for analysis of polymer materials and development of innovative products</i></p> <p><b>Dr. Olya Stoilova</b>, Institute of Polymers, Bulgarian Academy of Sciences <i>National center of mechatronics and clean technologies - opportunities for cooperation with the business</i></p> <p><b>Discussions</b></p>
<b>31 May</b>	<p><b>Session 3: Functional polymeric materials for environmental applications</b></p> <p><b>Dr. Marcela Mihai</b>, Petru Poni Institute of Macromolecular Chemistry, Iasi, Romania <i>Porous polymeric materials for environmental applications</i></p> <p><b>Dr. Olya Stoilova</b>, Institute of Polymers, Bulgarian Academy of Sciences <i>One-step fabrication of polymer composites containing Mn-doped ZnSe/ZnS nanocrystals</i></p> <p><b>Dr. Natalia Toncheva-Moncheva</b>, Institute of Polymers, Bulgarian Academy of Sciences <i>Preparation and properties of novel biodegradable composite materials based on anionically prepared polyesteramides and zinc borate nanoparticles</i></p>

	<p><b>Dr. Petya Tsekova</b>, Institute of Polymers, Bulgarian Academy of Sciences <i>Fabrication of electrospun cellulose acetate/nanoclays composites for pollutants removal</i></p> <p><b>Discussions</b></p>
<b>01 June</b>	<p><b>Young scientists session</b> Oral presentations Poster presentations <b>Discussions</b> <b>Awarding for best oral and poster presentation</b></p>
<b>02 June</b>	<p><b>Session 4: Modern and unique research infrastructure developed in the frame of Center of Excellence</b></p> <p><b>Dr. Ivaylo Dimitrov</b>, Institute of Polymers, Bulgarian Academy of Sciences <i>Spectral Laboratory – UV-VIS with temperature control and fluorescence spectrophotometers</i></p> <p><b>Dr. Olya Stoilova</b>, Institute of Polymers, Bulgarian Academy of Sciences <i>Laboratory of Organic and Polymer Synthesis</i></p> <p><b>Eng. Pencho Tuleshkov</b>, Institute of Polymers, Bulgarian Academy of Sciences <i>Focus on rheological measurements on polymeric materials - rheometer with rotation and oscillation mode</i></p> <p><b>Eng. Radka Radeva</b>, Institute of Polymers, Bulgarian Academy of Sciences <i>Laboratory of Thermochemistry – Micro/Nano differential scanning calorimetry</i></p> <p><b>End of the meeting</b></p>