

## **Biomaterials and Biotechnologies (II)**

*Friday, 20<sup>th</sup> November, 15:00-17:00*

*Room Eminescu (Room A), Astoria Hotel*

Chairpersons: *Liliana Vereștiuc, Marcela Mihai*

1.	<b>BMP- immobilized PCL/PANA Nanofibers for Bone Tissue Engineering</b> <i>Zeliha Guler, A. Sezai Sarac, Paper ID: 205</i>
2.	<b>Chemometric Characterisation of Some Flavonoids Active Against HT-9 Human Cancer Cells</b> <i>Nicoleta Paduraru, Steluta Gosav, Mirela Praisler, Paper ID: 183</i>
3.	<b>The Effect of Surface Roughness on Corrosion Behavior of Ti-6Al-4V Alloy in Saliva Solution</b> <i>Eliza Dănăilă, Lidia Benea, Paper ID: 277</i>
4.	<b>Design and Characterization of Biotinylated Magnetic Nanocapsules for Breast Cancer Applications</b> <i>Vera Balan, Liliana Vereștiuc, Maria Butnaru, Ovidiu Bredetean, Laura Knieling, Anca Munteanu, Paper ID: 279</i>
5.	<b>Waste-Water Management by a Comparative Research of Photocatalytic Performance Belonging to Coupled Zn/Sno Nanocomposites against Degradation of Textile Dyes</b> <i>Paraschiva Postolache, Danut Dumitru Dumitrascu, Narcisa Vrinceanu, Diana Coman, Paper ID: 289</i>
6.	<b>Micro-Nano-Technologies of Zinc and Copper Oxides for Sensor and Medicine Applications</b> <i>Oleg Lupan, Vasile Postica, Mathias Hoppe, Victor Sontea, Serghei Railean, Rainer Adelung, Paper ID: 306</i>
7.	<b>Physical Characteristics of Nanostructured Zinc Sulfide Composite with Antibacterial Properties</b> <i>A. M. Mieshkov, L. I. Hrebenyk, L. F. Sukhodub, Paper ID: 145</i>

**Poster Session – Friday, 20<sup>th</sup> November, 8:00-9:30**  
*Room Eminescu (A), Astoria Hotel*

8.	<p><b>Separation and Purification of Natural Extracts Obtained from Beetroot (Beta Vulgaris)</b></p> <p><i>Marinela Pauliuc, Ion Iosub, Ileana Rau, Paper ID: 136</i></p>
9.	<p><b>Impact of Surface Properties of Blends Based on Quaternized Polysulfones on Modeling and Interpretation the Interactions with Blood Plasma - Quaternized Polysulfones Blends Interactions with Blood Plasma</b></p> <p><i>Adina Maria Dobos, Anca Filimon, Ecaterina Avram, Ghiocel Emil Ioanid, Paper ID: 178</i></p>
10.	<p><b>Environmental Impacts of Polyvinyl Chloride (PVC) Production Process</b></p> <p><i>Elena-Diana Comaniță, Cristina Ghinea, Mihaela Roșca, Isabela Maria Simion, Madalina Petraru, Maria Gavrilescu, Paper ID: 243</i></p>
11.	<p><b>Potential of Biosorption and Bioaccumulation Processes for Heavy Metals Removal in Bioreactors</b></p> <p><i>Mihaela Rosca, Raluca - Maria Hlihor, Petronela Cozma, Elena - Diana Comăniță, Isabela Maria Simion, Maria Gavrilescu, Paper ID: 244</i></p>
12.	<p><b>Evaluation of Pentachlorophenol Leaching Potential in Natural Soils</b></p> <p><i>Camelia Smaranda, Laura Bulgariu, Mihaela Rosca, Remus Turculet, Cristina Ghinea, Maria Gavrilescu, Paper ID: 245</i></p>
13.	<p><b>Efficient Removal of Pb(II) Ions from Accidental Polluted Waters by Adsorption onto Thermal Activated Lignin</b></p> <p><i>Gabriela Nacu, Lăcrămioara Negrilă, Mihaela Rosca, Camelia Smaranda, Laura Bulgariu, Maria Gavrilescu, Paper ID: 246</i></p>
14.	<p><b>Antioxidant Properties Evidenced by Polyphenols Content in Two Romanian Red Grape Cultivars in Iasi Area</b></p> <p><i>Lăcrămioara Oprică, Marius Grigore, Andreea Verdeș, Dorina Creangă, Irina Anca Popescu, Andreea Grigorescu, Diana Costin, Paper ID: 268</i></p>
15.	<p><b>Spectral Characterisation of Some Materials Based on Natural Extracts</b></p> <p><i>Elena Perianu, Marinela Pauliuc, Ileana Rau, Ion Iosub, Paper ID: 275</i></p>
16.	<p><b>Cell Populated Hydrogels Based on Collagen and Chitosan for Soft Tissue Regeneration</b></p> <p><i>Andreea Luca, Oana Elena Rachita, Liliana Verestiuc, Marcel Popa, Maria Butnaru, Paper ID: 280</i></p>

17.	<b>Characterization of Some Biomimetic Supports Based on Biopolymers and Calcium Phosphates Potentially Used for Bone Regeneration</b> <i>Aurora Antoniac, Marius Niculescu, Madalina Albu, Florin Miculescu, Camelia Tecu, Iulian Antoniac, Paper ID: 309</i>
18.	<b>Corrosion Behavior of Some Magnesium Alloys Type Mg-Zn-Ag (ZQ) Potentially Used for Biodegradable Orthopedic Implants</b> <i>Elisa Plopeanu, Ana-Iulia Bitu, Aurora Antoniac, Mihai Branzei, Eugeniu Vasile, Cosmin Cotrut, Izabela Stefan, Iulian Antoniac, Paper ID: 310</i>