

Biomaterials and Biotechnologies (I)

Friday, 20th November, 11:30-13:30

White Hall (Room C), Traian Hotel

Chairpersons: *Geta David, Anca Galaction*

1.	Collagen-Based Hybrid 3-D Matrices <i>Geta David, Rodica Diaconescu, Paper ID: 8</i>
2.	The Effect of Anodic Oxidation Treatment of Ti-10Zr Alloy on Tribocorrosion Behavior in a Simulated Physiological Solution <i>Lidia Benea, Eliza Dănilă, Valentin Marian Dumitrașcu, Pierre Ponthiaux, Paper ID: 60</i>
3.	Tribocorrosion Performance of Co/UHMWPE Composite Biocoatings Compared to Pure Co Coatings in a Simulated Physiological Solution <i>Eliza Dănilă, Lidia Benea, Pierre Ponthiaux, Paper ID: 61</i>
4.	High Efficiency Recombinant Factor VIII Production and Secretion in CHO Cells <i>Abdulmecit Gökçe, Kaya Molo, Elif Gelmez, Gürsel Turgut, Gülay Bulut, Paper ID: 233</i>
5.	DFT Study of Binding and Electron Transfer from Penicillin to a TiO₂ Nanocluster: Applications to Photocatalytic Degradation <i>Corneliu I. Oprea, I Lucian C. Petcu, Mihai A. Gîrțu, Paper ID: 237</i>
6.	Surface Wettability and Morphology Implications on Semi-Alicyclic Polyimide Hemocompatibility <i>Iuliana Stoica, Andreea Irina Barzic, Camelia Hulubei, Paper ID: 258</i>
7.	The Hypothesis Regarding the Regenerative Action of Silver Nanoparticles <i>Bogdan Alexandru Hagi, Narcisa Vranceanu, Paraschiva Postolache, Paper ID: 284</i>
8.	Bio-Inspired Calcium Phosphates-Biopolymer Scaffolds with Inclusions of SPIONs for Bone Tissue Regeneration <i>Florina Daniela Ivan, Vera Balan, Maria Butnaru, Ionel Marcel Popa, Liliana Verestiuc, Paper ID: 286</i>

Poster Session – Friday, 20th November, 8:00-9:30

Room Eminescu (Room A), Astoria Hotel

9.	A Comparative Study of Functionalized Nano-Hydroxyapatite <i>Geta David, Liviu Sacarescu, Daniel Timpu, Tudor Vasiliu, Paper ID: 9</i>
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10.	<p>Modeling Thermodynamic Properties of Glycerol Involved in Cosmetic and Pharmaceutical Industries: Boiling Point, Heat Capacity and Thermal Conductivity</p> <p><i>Simion Andrei Ionut, Grigoras Cristina-Gabriela, Gavrilă Lucian, Paper ID: 12</i></p>
11.	<p>Electrospun Fibers Containing Cationic Quaternary Ammonium Derivatives with Antibacterial Activity: Electrospun quaternized polysulfone fibers with antimicrobial activity</p> <p><i>Anca Filimon, Ecaterina Avram, Niculae Olaru, Florica Doroftei, Simona Dunca, Paper ID: 48</i></p>
12.	<p>Self-linked Polymer Gels [Based on Hyaluronic Acid and poly (itaconic anhydride-co-3, 9-divinyl-2, 4, 8, 10-tetraoxaspiro [5.5] undecane)] as Potential Drug Delivery Networks</p> <p><i>Alina Diaconu, Loredana E. Nita, Aurica P. Chiriac, Liliana Mititelu Tartau, Florica Doroftei, Cornelia Vasile, Mariana Pinteala, Paper ID: 54</i></p>
13.	<p>On the Coalescence of Colliding Jets</p> <p><i>Ioana Laura Omocea, Claudiu Patrascu, Mihaela Turcanu, Corneliu Balan. Paper ID: 75</i></p>
14.	<p>Chitosan an Eco-Friendly Biomaterial from Marine Invertebrates</p> <p><i>Manuela Rossemary Apetroaei, Ana-Maria Manea, Grațîela Teodora Tihan, Roxana Gabriela Zgârian, Verginica Schroder, Gabriela Lîlios, Marius Gabriel Apetroaei, Ileana Rău, Paper ID: 90</i></p>
15.	<p>Antioxidant Activity Evaluation of Some Novel 2-Hydroxy-Benzamides Derivatives</p> <p><i>Ioana M.C. Ienașcu, Mariana N. Ștefănuț, Cristian Tănasie, Iuliana M. Popescu, Adina Căta, Paper ID: 98</i></p>
16.	<p>Different Methods for Obtaining of Some Bio-Composite Materials with Dental Use</p> <p><i>M.N. Ștefănuț, A. Căta, I.M.C. Ienașcu, C. Tănasie, D. Ursu, M.C. Dobrescu, Paper ID: 99</i></p>
17.	<p>Development of Novel Hydrogels Based on Citraconyl-chitosan and Poly(acrylic acid) as Potential Wound Dressing Materials</p> <p><i>Alina Gabriela Rusu, Ioana Alexandra Tanasa, Marcel Ionel Popa, Maria Butnaru, Liliana Verestiuc, Paper ID: 287</i></p>