



4 OCTOBER, WEDNESDAY

ID	Presenters	Title
8	Kawatra Anubhuti	Preparation and Characterization of Novel Cross-linked Arginine Deiminase Aggregates for Improved Activity, Stability, and Reusability in Industrial Applications
18	Khattib Ali	Improving HDL functions by interaction with novel bioactive lipids
25	Dancho Danalev	Design and Biological Studies on New Peptide analogues of tetrapeptide FELL
103	Chichova Mariela	Effects of Graphene Oxide and PEG-modified Graphene Oxide on Frog Heart Activity and Rat Liver Enzymes
105	GULER Halil Ibrahim	Determination of Transcript Abundance and mRNA Stability of pAnox1 ORFs
108	Čanak Iva	Application of Fish Industry Waste in the Removal of Mycotoxin FB1
111	Volkova Nataliia	Comparative analysis of primary mural and cumulus granulosa cells under long term culture
113	Šalić Anita	Development of a model for predicting lipase extraction and activity in natural deep eutectic solvents
114	DIMITRELLOU DIMITRA	Dairy and non-dairy beverages with increased total phenolic content and antioxidant activity
116	Atanasov Nikola	Antagonistic interactions of lactic acid bacterial strains from human oral microbiome against orally associated pathogens
118	Evstatieva Yana	Antibacterial activity of new isolated lactic acid bacterial strains against phytopathogenic bacteria
121	Caglioti Concetta	Role of the KCa3.1 modulation in glioblastoma therapy
132	Mija Sezun	Valorization of agrifood residues, as a raw material in the paper industry
135	Brecchia Gabriele	Bovine colostrum supplementation modulates cytokines, vascular and antioxidant gene expression in the gut of rabbit
137	gliozheni elko	Comparative Analysis of Neurotransmitters in Ovarian Follicular Fluid: A Study on Polycystic Ovary (PCO) Patients Undergoing IVF Treatment
138	Castrica Marta	Antibacterial effect of an active absorbent pad on rabbit meat in modified atmosphere packaging during shelf life: preliminary results
144	Fujiwara Ryosuke	Bioproduction of aromatic compounds from C1-C2 compounds using metabolic engineered methylotroph
145	Čuljak Nina	Encapsulation of EPS-producing <i>Limosilactobacillus fermentum</i> strains for improved functional properties
146	Szeliska Paulina	Biocompatibility and metabolomic application of novel teflon-based Solid Phase Microextraction (SPME) devices in vitro.
149	Sabotič Jerica	<i>Diabrotica v. virgifera</i> Resists the Effects of Entomotoxic Fungal Protease Inhibitors in Food
150	Zuchowska Karolina	Application of Teflon-HLB SPME fibers to analyse volatile metabolites in LL2 and B16F10 cancer cells.
151	Sikorová Pavlína	Inducing biological and nutritional stress in the cultivation of carotenogenic yeast and autotrophic microalgae
155	Surmanidze Nona	Qualitative study of biologically active compounds of fruits and leaves of <i>Elaeagnus umbellata</i> Thunb. using UPLC-PDA, MS method
156	Kostadinova Milena	3D printing and post-printing modifications of individualized polycaprolactone scaffolds for bone tissue regeneration
162	Putkaradze Jeiran	Gas-liquid chromatography of Prunus vodka
164	Kasiński Damian	Effect of extracellular vesicles secreted by bladder cancer cells on non-malignant uroepithelial cells, an in vitro study
168	Nonaka Daisuke	High yield bioproduction from glucose and xylose in "PMPE" <i>E.coli</i> strains
170	Konsoula Zoi	A preliminary in vitro investigation of anticholinesterase activity of <i>Salvia fruticosa</i> (sage) extracts indigenous to Cyprus
174	Fekner Zuzanna	Does the type of mesenchymal stromal cell culture media influence the properties of the secreted extracellular vesicles?
179	Obračaj Jan	Application of industrial wastes in biotechnology of carotenogenic yeasts
181	Biagini Andrea	Enhancing shelf-life prediction of food supplements: a novel kinetic model for thermo-oxidative stability under storage conditions
203	CELIKBILEK ERKASAP PELIN	Comparison of vital parameters of pigs receiving isoflurane and sevoflurane anesthesia during the surgical operations
205	Radojčić Redovniković Ivana	Enhancing Compound Stability Using Natural Deep Eutectic Solvents: A Stabilization Study
210	Čukajne Tjaša	Expression of NanoLuc Luciferase in <i>Campylobacter jejuni</i> as a mean to study biofilm formation
213	Kang Eunhwa	Inhibition of Fas-mediated apoptotic signal by Fas-binding peptide ameliorates Parkinson's disease
214	Božinović Marko	Furfural Valorization by Amine Transaminase-Catalyzed Transamination
218	Palazzetti Federico	Theoretical study on Alanine-[K(H ₂ O) ₂] ⁺ complex: structures and intermolecular interactions
219	Paola Tiziana Quellari	Preliminary morphological and electrophysiological characterization of human primary endometrial cells.
220	Moulas Anargyros N	CIEver Balloon: An Everolimus Coated Balloon For Treatment Of Vascular Stenosis – An In Vitro Evaluation
230	Hronská Helena	Immobilized β-N-Acetylhexosaminidases in Applied Biocatalysis
239	Scrob Diana Maria	Human Carbonic Anhydrase a Powerful Enzyme in Chemical Biotechnologies
240	Barabás Laura Edit	Enzymes in Biocatalysis: Unlocking their Potential for Sustainable Chemical Synthesis

5 OCTOBER, THURSDAY

ID	Presenters	Title
24	Georgieva Nelly	New Analogs of Temporin Modified with Unnatural Amino Acids
26	Naydenova Emilia	New analogues of (KLAKLAK) ₂ Containing Unnatural Amino acids Dap and Dab
28	Foteva Tsvetelina	Potential of Self-assembling Peptides in the Enamel Lesion Treatment
33	Nemska Veronica	Temporin A and F New Analogues Modified with Unnatural Amino Acids Dap and Dab
80	Mihaela Alexandra Rotaru	Improving Reproductive Management In Sows Operated In Classic Production Systems
81	Alin Neamțu	Methods For Forecasting And Planning Production In Sows Of The Mangalita Breed
82	Muntean Marius	Possibilities for improving sow reproductive management
83	Denisa Ioana Tarpian	Ways To Improve The Management During The Gestation Period Of Sows
95	Turani Blerta	Primis, the First In Vitro Fertilization Albanian Water Frog-A New Hope for the Conservation of Endangered Amphibian Species
107	Phosriran Chutchawan	Re-engineering Klebsiella oxytoca to produce homo-succinic acid
109	Vicente Oscar	An Assessment of Pro-environmental and Green-entrepreneurship Behaviour of Biotech Students
115	Nikolova Dilyana	Effect of the Hypericum perforatum extract on the growth of probiotic lactic acid bacterial strains
117	Rasheva Iliyana	Identification and Characterization Of Lactic Acid Bacteria Isolated From Human Breast Milk and Infant Feces
125	Marinova-Yordanova Viktoria	Biological Activities of Lactic Acid Bacteria Isolated from Traditional Fermented Foods
127	Barbato Olimpia	Pregnancy diagnosis in dairy donkey: experimental hypotheses to develop an immunological test
130	Gabardo Sabrina	Porungo cheese whey: a new substrate exploited to enzyme and GOS production
133	Kratochvilová Libuše	Study of IFI16 protein interaction with G4 prone DNA sequences and its influence on p53 transcription activity
134	Dobrovolná Michaela	Exploring the Evolutionary Role of G-Quadruplexes and Examining Their Potential Impact on Viral Pathogenesis
139	Bochev Ivan	The impact of hypoxia and inflammation on primary human granulosa cells
153	Sniegoňová Pavlína	The influence of waste substrates on mixotrophic growth of microalgae
154	Abashidze Nona	The study of the physical-chemical characteristics of field honey, common in Western Georgia
157	Talaş Gizem	Isolation, Characterization Of Pseudomonas aeruginosa Phages As An Anti-Biofilm Agent, And Their Inhibitory Effects On Biofilm Formation
165	Kostelac Deni	Probiotic and Antioxidant Properties of Lactiplantibacillus plantarum DB2 Isolated from Strawberry (Fragaria x ananassa Duch. cv. 'Albion')
166	Tanaka Tsutomu	Metabolic engineering of Corynebacterium glutamicum for hydroxybenzoic acid production
167	Mori Ayana	m-Nitrobenzoate synthesis by Escherichia coli with N-oxygenase
169	Strašek Maša	Immobilized Enzymatic Reactors on Monolith backbone for rapid Plasmid Linearization
171	Mourdjeva Milena	Osteogenic Differentiation Of Mesenchymal Stem Cells Cultured On Bone Implant Surfaces Is Enhanced By Vitamins
175	Kestendjieva Snejana	Melatonin Affects Osteogenesis in Mesenchymal Stem Cells Cultured on Polystyrene Surface and Ti-6AL-4V Alloy
178	Dąbrowski Paweł	Proangiogenic Properties of Rat Bladder Acellular Matrix Seeded with Adipose-Derived Mesenchymal Stem/Stromal Cells
182	Kubalová Michaela	The influence of different types of chemical and physical stress on microalgae
188	Salgado Jose Manuel	Pre-treatments upgrade the enzymes
191	Roussis Vassilios	Isolation of Secondary Metabolites from Marine-derived Bacteria and Evaluation of their Inhibitory Activity on α -Synuclein Aggregation
192	Ioannou Efstathia	Fucoidans and Alginates from Brown Algae Growing Wild or Cultivated Following an Integrated Multitrophic Aquaculture Approach
202	Albi Elisabetta	LONG-TERM PSYCHOPHYSICAL EFFECTS OF COVID-19 IN PREGNANCY
206	Sallicandro Luana	Increased level of Vasoactive Intestinal Peptide (VIP) in follicular fluid of patients with polycystic ovary syndrome during IVF
211	Shestakova Anna	Understanding of Aspergillus ochraceus' physiology - a key to biotechnological production of proteases
212	Yun GyeongJu	Inhibition of renal cell death by blocking Fas-mediated apoptotic signal protects from acute kidney injury
215	Šketa Borut	Self-Assembled Structures Based on His6-Tagged Amin Transaminase and Nanoparticles
231	Traina Giovanna	PROBIOTICS INFLUENCE THE CROSSTALK BETWEEN INTESTINAL EPITHELIAL CELLS AND THE IMMUNE SYSTEM
237	Mkervali Tsitsia	Production of Protein-rich, Easily Metabolizable Biomass from Phanerochaete chrysosporium A-1 using Apple Juice Industry Waste
238	Moisa Madalina Elena	Site-specific Immobilization of Phenylalanine Ammonia-lyase from Arabidopsis thaliana
250	Mojca Seručnik	Immobilization of Bacillus subtilis Spores in a Miniaturized Reactor by a Magnetic Field