



"Biotechnology: Innovations and Impacts on Health, Climate Change, and Food Security"

National Polytechnic University of Science and Technology Bucharest

Senat Hall, Rectorship Building

20th of June 2024



Conference Program

9:00 – 10:00	Participants Registration
EVENT OPENING	
Chairperson: Manuela Elisabeta Sidoroff	
10:00 – 10:15	ROMANIAN SOCIETY OF BIOENGINEERING AND BIOTECHNOLOGY IN THE CONTEXT OF CURRENT BIOTECHNOLOGY CHALLENGES Dr. Manuela Elisabeta Sidoroff, President of RSBB
10:15 – 10:30	BIOTECHNOLOGY AND APPLIED BIOTECHNOLOGIES-STRATEGIES, POLICIES AND SMART SPECIALISATION Dr. Tudor Prisecaru, State Secretary, Romanian Ministry for Research, Innovation and Digitization
10:30 – 10:45	Dr. Mihaela Paun, General Director of INCDSB
10:45 – 11:15	ICGEB ROLE AND IMPACT ON BIOTECHNOLOGIES, LIFE SCIENCES AND GLOBAL DEVELOPMENT Dr. Lawrence Banks, ICGEB
11:15 – 11:30	<i>Coffee Break</i>
Section A. MEDICAL AND PHARMACEUTICAL BIOTECHNOLOGIES	
Chairperson: Iris Maria Tusa	
11:30 – 11:45	POLYMERIC COMPLEXES WITH POLYHYDROXYALKANOATES USED FOR TISSUE RECONSTRUCTION Dana-Maria Miu, National Institute for Chemical Pharmaceutical Research & Development
11:45 – 12:00	OPTIMIZATION OF LAB BIOTECHNOLOGIES FOR PREPARATION OF NEW NATURAL SPONGE BIOMATERIALS FROM INDUSTRIAL RESIDUES FOR WOUND HEALING Oana Craciunescu, National Institute of Research And Development for



	Biological Sciences
12:00 – 12:15	COLLAGEN-BASED ANTIBACTERIAL AND ANTIOXIDANT WOUND DRESSING LOADED WITH MAGNETIC NANOPARTICLES AND GALLIC ACID Madalina Gaboreanu, Research Institute of the University of Bucharest— ICUB, University of Bucharest, Bucharest, Romania
12:15 – 12:30	THE FORMULATION OF HYDROPHILIC-HYDROPHOBIC BIOPOLYMER COMPOSITE SUPPORTS, A NEW PERSPECTIVE IN THE FIELD OF THERAPY OF SKIN INJURIES
12:30 – 13:30	Lunch Break
SECTION B. BIOENGINEERING AND BIOPROCESSING	
Chairperson: Simona Litescu	
13:30 – 13:45	SUSTAINABLE BIOMASS PRODUCTION FROM DAIRY BY-PRODUCTS Diana Pasarin, Institutul Național de Cercetare – Dezvoltare pentru Chimie și Petrochimie – ICECHIM
13:45 – 14:00	CONTRIBUTIONS TO THE PHARMACOGNOSTIC AND PHYTOBIOLOGICAL STUDY OF PRUNUS SPINOSA SPECIES Oana Apreutesei, National Institute Research and Development for Biological Sciences/“Stejarul” Research Centre for Biological Sciences
14:00 – 14:15	QUALITY OF PLANT-BASED FOOD SUPPLEMENTS AND RISKS ASSOCIATED WITH THE CONSUMPTION OF NON-COMPLIANT PRODUCTS Ancuța Cristina Raclariu-Manolică, National Institute Research and Development for Biological Sciences/“Stejarul” Research Centre for Biological Sciences
14:15 – 14:30	EXPLORATION AND VALUATION OF THE POTENTIAL OF CAVERNICOLEAL MYCOBIOTA IN THE MEDICAL AND BIOTECHNOLOGICAL FIELD Georgiana Grigore, Faculty of Biology, University of Bucharest
14:30 – 14:45	EVALUATION OF AGRO-INDUSTRIAL BY-PRODUCTS AS SUBSTRATES FOR



	BIOSURFACTANT PRODUCTION BY PSEUDOMONAS STRAINS Roxana Madalina Stoica, National Institute for Chemical-Pharmaceutical Research and Development-ICCF
14:45 – 15:00	NEW PLANT BIOSTIMULANT BASED ON BIOGENIC SILICA NANOSTRUCTURES Diana Constantinescu-Aruxandei, Institutul Național de Cercetare – Dezvoltare pentru Chimie și Petrochimie – ICECHIM
15:00 – 15:15	Coffee Break
SECTION C. BIOTECHNOLOGY AND ENVIRONMENTAL IMPACT	
Chairperson:	
15:15 – 15:30	MULTIFACETED PHENOTYPIC ADAPTATIONS OF GAMMARUS BALCANICUS TO CAVES: HYPOGEAN VERSUS EPIGEAN ECOTYPES Octavian Pacioglu, National Institute of Research and Development for Biological Sciences
15:30 – 15:45	METAGENOMIC SNAPSHOT OF THE DANUBE DELTA RESERVOIR OF ANTIMICROBIAL RESISTANCE AND ASSOCIATED MOBILE GENETIC ELEMENTS Corneliu Ovidiu Vrâncianu, National Institute of Research and Development for Biological Sciences
POSTER SESSION	
15:45-16:45	Conference wrap-up