October 4, Wednesday						
09:00-09:15						
	OPENING LECTURE: Synthetic biology for engineering protein structure and fu	ınction and cellu	lar circuits			
09:15-10:00	Roman Jerala					
	hairs: Polona Žnidaršič Plazl, Munis Dundar					
10:00-13:00	Medical Biotechnology I					
	sains: Donald Martin, Adam Mechler ynote Lecture. Targeted lipidomics and transcriptomics for innovative decision support systems: examples of COVID-19 and liver cancer					
10:00-10:30	Damjana Rozman	support systems:	examples of COVID-19 and liver cancer			
10:30-10:45	Design of nanofibrous electrospun DNA/silk scaffold to improve the differentiation	of pluripotent ste	m cells			
	Luca Valentini Real-time collection and analysis of secretions from monolayers of small numbers	of cells in 3D niche	es for functional liquid biopsies in a novel microfluidic lab-on-chip format			
10:45-11:00	Donald Martin					
11:00-11:30		Coffee Break				
11:30-11:45	Neutrophil chemiluminescent fingerprint kinetics for etiological agent phylum tria	ge in an emerger	cy room setting			
	Robert Marks Genetics of Δrtificial Cells					
11:45-12:00	Munis Dundar					
12:00-12:15	Playing with molecular LEGO: design of bio-inspired hierarchical nanomaterials Adam Mechler					
12:15-12:30	Development of CAR-macrophages as therapeutic strategy to Cancer					
	Michel Solzet Towards molecular digital twins for oncology surgery with real time SpiderMass mass spectrometry imaging					
12:30-12:45	Isabelle Fournier					
12:45-13:00	Multidisciplinary Approach in Medicinal Biotechnology and its Application in the R Stanislav Miertus	esearch of Anti-Co	ovid Drugs, Biosensors, and Scaffolds for Regenerative Medicine			
13:00-14:00		Lunch				
14:00-16:45	Medical Biotechnology II	14:00-17:00	Biocatalysis & Biotransformations			
14.00-16.43	Chairs: Michel Salzet, Robert Marks	14.00-17.00	Chairs: Bruno Zelić, Marina Cvjetko Bubalo			
	The homeostasis of Alpha-synuclein passes through its post-translational modification.					
14:00-14:15	Insights about the role of Copper in the onset of Parkinson's disease.		Keynote Lecture:			
	Michele Maffia CC2DIA as a novel Autism and ciliopathy gene: Is Autism a ciliopathy disorder?	14:00-14:25	Integrated microsystems for lipase-catalysed biodiesel production and purification			
14:15-14:30	Sehime G. Temel		Bruno Zelić			
14:30-14:45	Biopolymeric bacterial cellulose hydrogels for wound management applications Abhishek Gupta	14:25-14:45	Baeyer-Villiger Moncoxygenases In Bioorganic Chemistry – Adventures, Challenges, And Opportunities			
	G-quadruplex forming sequences modulate basal transcription of a yeast reporter		Marko Mihovilovic Osmolytes-based Deep Eutectic Solvents: Innovative Systems for			
14:45-15:00	and impact the transactivation by P53 family proteins	14:45-15:00	Stabilization of Biomolecules			
	Vaclav Brazda Diagnostic potential of extracellular vesicles in prostate cancer		Marina Cvjetko Bubalo Transaminase Immobilization via magnetic particles: Leveraging DES for			
15:00-15:15	Kamil Szeliski	15:00-15:15	Enhanced Substrate Solubility			
	Design and Biological Studies on New Peptide analogues of tetrapeptide FELL		Transdermal diffusion of enzymatically synthesized oil-derived			
15:15-15:30	Danalev Dancho	15:15-15:30	phloridzin esters from oil in water emulsion			
15:30-16:00	Ania Petrov Ivanković Coffee Break					
	Identifying Potential Design Interventions for Heart-Lung Machines		Immobilization of Feruloyl Esterase from Geobacillus thermoglucosidasius			
16:00-16:15	Eren Dönertaş	16:00-16:15	DSM 2542T by CLEA(Cross linking enzyme aggregates) Method Fulya Ay Sal			
		-	Screening Hydrolytic Enzyme Production of Bacterial Strains			
16:15-16:30	The Genetics of Venous Diseases Mahmut Çerkez Ergören	16:15-16:30	Isolated from Waste Dumps, Turkey			
	namat çanaz Ergorar		Dilsat Nigar Colak Whole-Cell Biosynthesis of Capsaicinoids by Saccharomyces			
	VDR gene SNP in thyroid disease	16:30-16:45	Cerevisiae			
16:30-16:45	VDR gene SNP in thyroid disease Irina Nakashidze		Nina Muratovska TBA			
		16:45-17:00	Isabel Belo			
17:00 10 70	Slovenian Industrial Biotechnology	17:00 10 70	Destruction			
17:00-18:30	Chair: Mateja Urlep	17:00-18:30	Poster session			
18:30 - 19:30 WELCOME RECEPTION						
	October 5,	Inursday				

17:00-18:30	Slovenian Industrial Biotechnology	17:00-18:30	Poster session				
	Chair: Mateja Urlep						
18:30 - 19:30	WELG	OME RECEPTION	N				
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	October 5,	Thursday					
09:00-13:00	Food & Feed Biotechnology	09:00-10:45	Environmental Biotechnology				
09.00-13.00	Chair: Ivana Marova, Anargyros Moulas	05.00*10.43	Chair: Oscar Vicente, Ariola Bacu				
09:00-09:30	Keynote Lecture: From Understanding Bacterial Interactions Towards Effective Probiotic Application and Poultry Meat Quality and Safety Sonja Smole-Možina	09:00-09:30	Keynote Lecture: The Potential and Opportunities of Wood-Inhabiting Fungi in Biotechnology Miha Humar				
09:30-09:50	Vitamin D: update on health and nutritional aspects Anargyros Moulas	09:30-09:45	The Genus Limonium: A Model for Basic Studies on Stress Tolerance Mechanisms, Biodiversity Conservation and Saline Agriculture Oscar Vicente				
09:50-10:10	Multiple biological effects of immortalized oleaginous yeasts biomass on human health Nana Marova	09:45-10:00	Heavy metal removal from contaminated soil by Vernonia amygdalina inoculated with Phomopsis theicola, Paenarthrobacter nicotinovorans and Clomus intraradices Marrison Atagana				
10:10-10:30	A study to evaluate the photodynamic inactivation of Escherichia coli, Listeria monocytogenes and Salmonella enterica Michela Maifreni	10:00-10:15	Removal of cytostatics: bleomycin and vincristine by white-rot fungi - the impact of aeration methods on the drugs' elimination efficiency Marcelina Jureczko				

	By-products of vitivinicultural origin: reutilization within the era of circular	10:15-10:30	Waste valorization to produce bacterial cellulose for agricultural applications Zinnia Mansoor			
10:30-10:50	economy Panagiotis Kandylis	10:30-10:45	Detection of Smuggled Genetically Modified Crops and Assessment of its Environmental Impact in the Ethio -Sudan Trans boundary area, North West Ethiopia Nego Berhone Tessemma			
10:50-11:20	Coffee Break					
11:20-11:40	Chimeric recombinant protein of Brucella melitensis and Immunological Evaluation for its possible use for the diagnosis of milk Annie Castillo	11:20 - 13:00	MAGI SESSION: Omics Approaches for the Study of Non-Communicable Diseases Chairs: Tommaso Beccari, Matteo Bertelli, Hussein Elsangak			
11:40-12:00	Evaluation of pigment content of Parachlorella kessleri under mixotrophic conditions takin Engin	11:20-11:30	Omics Approaches to Study Anorexia Nervosa Kevin Donato Bioinformatic Analysis to Study the Relationship between AKRIC Genes and Lipedama Jurgen Kaftalii			
12.00-12:20	Exploitation of autochthonous L casel group strains as secondary cultures to control blowing defects in PDO cheeses Niccolo Renold!	11:40-11:50 11:50-12:00 12:00-12:10	Proteomic Approaches to Study Chronic Fatigue Syndrome and Post-Covid Syndrome Kristjano Dhuli Genomics Analysis of Chronic Fatigue Syndrome and Post-Covid Syndrome Cecilia Micheletti Long Reads Sequencing for the Diagnosis of Eye Diseases: The Experience of			
12:20-12:40	Protein hydrolysate of Tenebrio molitor adults obtained during enzymatic hydrolysis Helenor Fernandes	12:10-12:20 12:20-12:30	FLC and RPCR Genes Maria Chiara Medeoif Biostatistics Approaches to Polygenic Risk Score in Physiological Conditions Giovanni Madeo Biostatistics Approaches to Polygenic Risk Score in Multifactorial Conditions Giovanni Madeo			
12:40-13:00	Specific DNA probes and aptamers for microbial detection using Electrochemical Biosensors.	12:30-12:40 12:40-12:50 12:50-13:00	Giusappe Marceddu Omica Approsekte in Lymphedema Cabriels Banetti Autoantibodies in Patients with Autoimmune Retinopathy Altesandro Macchia Innocative treatments for Eating Disorders Maria Rochele Ceccorini			
13:00-14:00	murisu murisuma	Lunch				
.3.00-14:00	Plant and Agricultural Biotechnology		Madical Biotochardow III			
14:00-17:00	Plant and Agricultural Biotechnology Chairs: Maja Ravnikar, Alexander Kilchevsky	14:00-17:00	Medical Biotechnology III			
	Chairs: Maja Ravnikar, Alexander Kilchevsky Kevnote Lecture		Chairs: Osman Erogul, Vaclav Brazda Unravelling the Complex Etiology of Type 2 Diabetes Mellitus in the			
14:00-14:30	Kristina Gruden Towards the selection of Fusarium and mycotoxin resistant local wheat	14:00-14:15	Pakistani Population: Genetic, Environmental, and Molecular Perspectives Attya Bhatti Selection and characterization of DNA aptazymes for new aptasensor			
14:30-14:50	cultivars of Albania Ariola Bacu	14:15-14:30	designs specific to Mycobacterium tuberculosis Erkan Mozioglu			
14:50-15:10	Microalgae as a multifaceted biotechnology platform Juraj Krajcovic	14:30-14:45	New nanotools in glioblastoma treatment Francesco Ragonese			
15:10-15:30	Plant Molecular Biofarming: Eternal life with gods Kisung Ko	14:45-15:00	Effect of four fluoroquinolones on the viability of bladder cancer cells in 2D and 3D cultures Kloskowski Tomasz			
15:30-15:50	Genetic bases of solanaceous vegetable plants breeding Alexander Kilchevsky	15:00-15:15 15:15-15:30	Prediction of Epilepsy Seizures and Design Warning System by Using Single Channel EMC Signals Osmon Engul The Patient-Specific Tumor Microenvironment Supported Organoid Drug Screening Model for Pacreatic Adenocarcinoma Ell' Ayee Kocor			
		15:30-15:45	A User-Centered Roller Pump Design for Heart Lung Machine: A Comprehensive Study from Scratch to Commercialization Erdem Inanç Budak			
15:50-16:20		Coffee Break				
16:20-16:30	Prospects for the use of amaranth phytomass in fodder production Svetlana Obraztsova	16:20-16:30	The pump control importance of the pressure sensor assigned to the roller pumps in the Heart Lung Machine Ece Görkemli			
16:30-16:40	Osmoprotectants Mitigate Adverse Effects of Boron Toxicity in Wheat Root Parameters Mehmet Hamurcu	16:30-16:40	New insights in granulosa physiopathology: the role of ion channels and mitochondria biogenesis Bernard Fioretti			
16:40-16:50	Increasing Resveratrol production by applying stress and elicitor to callus cell lines and regenerated plants obtained from regenerated black grape varieties in tissue culture Ece Bagak	16:40-16:50	Exosomes released under ceramide treatment carry miRNA regulating embryonic hippocampal cell differentiation Federico Fiorani			
16:50-17:00	Plant-produced RBD and cocktail-based vaccine candidates are highly effective against SARS-CoV-2, independently of its emerging variants Tarlan Mammedov	16:50-17:00	Role of the KCa31 modulation in glioblastoma therapy Concetta Coglioti			
17:00-18:00	Executive Committee Meeting	17:00-18:00	Poster session			
	October 6	. Friday				
09:00 - 12:05	Industrial Biotechnology and Bioprocess Engineering	09:00 - 12:20	Marine & Animal Biotechnology			
09:00 - 12:05	Chairs: Igor Plazi, Aleš Podgornik	09:00 - 12:20	Chairs: Ana Rotter, Dana Tapaloaga			
	Keynote Lecture: Non-invasive in-process methods for monitoring of chromatographic matrix performance Ales Podgomik	09:00-09:30	Keynote Lecture: Marine Polysaccharides-based Scaffolds for Biomedical Applications Vassilios Roussis			
09:00-09:30						
09:00-09:30	Biotechnological Overproduction and Extensive Analysis of Polysaccharide-rich Fungal Biomass Ondrej Slany	09:30-09:50	Marine-derived Microorganisms from the East Mediterranean as a Source of Bioactive Secondary Metabolites Efstathia loannou			

10:10-10:30	Microbial polymer of poly- γ -glutamic acid (γ -PGA) – past, present, and future Iza Radecka	10:10-10:30	Animal Pharming - Advantages, disadvantages and trends Dana Tapaloaga
10:30-10:50	Mathematical Model and Non-Invasive Method to Determine the Amount of Immobilized Protein **Rok Ambrožič** **Rok Ambrožič** **Rok Ambrožič** **Taken **Tak	10:30-10:50	Detection of Novel Adipokines in Bovine Ovaries during Different Reproductive Stages Thaqi Cranit
10:50-11:20	Coffee Break		
11:20-11:35	Valorisation of microalgal biomass into biodiesel production Pakawadee Kaewkannetra	11:20-11:40	Extraskeletal osteosarcoma description of an unprecedented immunohistochemical profile Leonardo Leonardi
11:35-11:50	Unlocking Bioactivity of Endophytic Fungi from Mokrzański Forest in Wodaw, Poland EI-Sayed R.	11:40-12:00	Chemical and biochemical composition of jellyfish mucus and its potential in biotechnology application Katja Klun
11:50-12:05	Non-chromatographic purification of C-terminally his-tagged turnip yellow mosaic virus (TYMV) virus-like particle (VLP) by nickel affinity precipitation Khai Wooi Lee	12:00-12:20	Omega rabbit: food for health benefit. PRIMA project Giulio Curone
12:05-12:30	Conference Closing Ceremony		