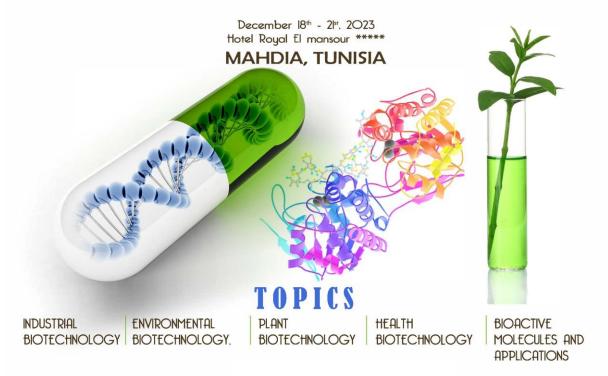


IDB2023

THE 21ST INTERNATIONAL DAYS OF BIOTECHNOLOGY



SCIENTIFIC PROGRAM

		Moi	nday 18/12/202	3
09h00-15h	Registration & Lunch			
15h30-16h			Opening (Ceremony
			Plenary Co	nference 1
16h-16h40		Chairmen : 1	Pr. Slim TOUN	SI & Pr. Ali GARGOURI
1011-101140	Cf1: Pr. Mo	Untargeted Phytochemical Profiling of Tunisian of leaves: High added values compound for Food at therapeutic application		High added values compound for Food and
16h40-17h			Coffee	Break
17h-18h15			Poster S Display and	
	I	Bioactive Molecules		BMP1-BMP43
	P	lant Biotechnology		PBP1-PBP37
20h	Dinner			
		Tue	sday 19/12/202	3
9h00-9h40	Plenary Conference 2			
	Chair	men: Pr. Chedly AI	BDELLY & Pr	. Radhia GARGOURI
9hh00-9h40	Cf2: Pr. Vincenzo LONGO Halophytic plants a new source of bioactive compounds: in vitro and vivo studies to demonstrate their biological activities			ivo studies to demonstrate their biological
9h45-11h05			3 Parallel	Sessions
				tive Molecules
			Iohamed BO	ations (BMO1-5) UAZIZ & Pr. Samir ABBES
9h45-10h05	TC1-BMO1	Anis CHIKHOUNE	Bioactive p	otential of Milk Thistle (<i>Sylibum marianum</i>) oplicability of its edible oil in food processing
10h05-10h20	BMO2	Moufida CHAARI	Novel Acti	ve Food Packaging Films Based on Gelatin- Sodium Alginate Containing
10h20-10h35	вмоз	Bouthaina BEN AKACHA		c Heteropolysaccharide: a new strategy for rving ground meat during cold storage
10h35-10h50	BMO4	Khaoula EL HADEF	of date palm	functional raw chicken meat by incorporation seed extract: an assessment of microbiological, chemical and sensory properties
10h50-11h05	BMO5 Sarra EL AKERMI AKERMI Cupressus sempervirens Essential Oil: Exploring the Antibacterial Multitarget Mechanisms, Chemcomputation Toxicity Prediction, and Safety Assessment in Zebrafis		Antibacterial	Multitarget Mechanisms, Chemcomputational

9h45-11h05	Room 2: Plant Biotechnology 5 oral communications (PBO1-PBO5)				
	Chairmen: Pr. Haythem MHADHBI & Dr. Rania BEN SAAD				
9h45-10h05	TCI- PBO1 Bacem MNASRI Diversity of the microsymbiont associated to A. saligna Tunisia		Diversity of the microsymbiont associated to A. saligna in Tunisia		
10h05-10h20	PBO2	Takwa GRITLI	Assessing bacterial community diversity in <i>Medicago</i> sativa grown in different geographic locations in Tunisia		
10h20-10h35	РВО3	Sabrine JEDER	The effects of alfalfa-rhizobium symbiosis on intercropping system (grapevine/alfalfa) on agricultural and contaminated soils: Physiological and biochemical parameters		
10h35-10h50	PBO4	Karima JALALI	Differential responses to pesticides stresses within four legume species: investigation of main tolerance mechanisms		
10h50-11h05	PBO5	Naima SAYAHI	Molecular and physiological mechanisms of tolerance induced by the rhizobacterial S-C2 strain in tomato plants under single and combined abiotic and biotic stresses		
9h45-11h05	9h45-11h05 Room 3 Health Biotechnology 5 oral Communications (HBO1-HBO5)				
	Chairmen	: Pr. Raja GARO	GOURI & Dr. Amine Mokhtar DRICI		
9h45-10h05	<i>ТС1</i> -НВО1	Sonia KTARI	Molecular approaches for epidemiological surveillance of Streptococcus pneumoniae in the Vaccine Era in Tunisia		
10h05-10h20	HBO2 Dorsaf HALLEG Involvement of oxidative stress in the toxicity mechanion of reproductive and pulmonary function induced by Can gummifera L. Incense in male rats				
10h20-10h35	НВО3	Salim CHIBENI	Breaking down the complexity of <i>Mycoplasma</i> hominisgenome involved in two distinct pathological conditions		
10h35-10h50	HBO4 Rihab DERBEL miR-34-5p expression in the spermatozoa of patients asthenozoospermia		miR-34-5p expression in the spermatozoa of patients with asthenozoospermia		
10h50-11h05	НВО5	Raja AMRI	ANKL, OPG and Runx2 expression and epigenetic modifications in giant cell tumor of bone: Association with Clinicopathological Characteristics and recurrence		
11h05-11h25	5 Coffee Break				

-	Tuesday Morning: 19/12/2023 (continued)			
11h30-12h50	3 Parallel Sessions			
	Room 1: Bioactive Molecules 5 Oral communications (BMO6-BMO10)			
	Chair	men : Pr. Bacem MNAS	SRI & Pr. Abdelmajid KROUMA	
11h30-11h50	TC2-BMO6 Ines FEKI against testosterone-induced benign prostation		Potential protective effect of Thymelaea hirsuta extract against testosterone-induced benign prostatic hyperplasia in rats	
11h50-12h05	MBO7	Aymen SOUID	Evaluation of the antioxidant and lipid-lowering effect of <i>Salicornia europaea</i> as preventive to the induction of TAFLD in rats	
12h05-12h20	BMO8	Sarra YOUSFI	Bacillus velezensis 32a: a treasure trove of secondary metabolites and their synergistic bioactivity against crown gall disease	
12h20-12h35	ВМО9	Ameni KETATA	Purification, chemical and structural characterization of novel thermophilic glycolipids from <i>Bacillus sp</i> BH1 made of carotenoids esters	
12h35-12h50	BMO10	Emna SELLAMI	A novel exopolysaccharide from <i>Erwinia sp</i> : Production, chemical and structural characterization	
	Room 2: Plant Biotechnology			
	5 Oral communications PB6-PB10 Chairmen: Dr. Karim KADRI & Pr. Lotfi FKI			
	Salama		Salicylic Acid and Arbuscular Mycorrhizal	
11h30-11h50	<i>TC2-</i> PBO6	AISSAM	Fungi application Mitigate Salt Stress Toxicity in Stevia rebaudiana plants	
11h50-12h05	PBO7	Jaweher SDIRI GHIDAWI	Effect of the plant growth-promoting bacteria strain <i>Bacillus mojavensis</i> 14 on potato subjected to salt stress	
12h05-12h20	PBO8	Aliou Moussa DIOUF	Microbiome Profiling of Bayoud-infected and not Infected Date Palm Plants Reveals the Important Role of the Actinomycetes Population in Disease Suppression	
12h20-12h35	PBO9	Amine EL KHOUNI	Comparison of a static and dynamic fertilization programs on olive trees grown under a high-density planting system	
12h35-12h50	PBO10	Olfa FRIKHA GARGOURI	Bacterial endophytes inhabiting desert plants provide protection against seed rot caused by Fusarium verticillioides and promote growth in maize	
	Room 3: Health biotechnology 3 Oral communications (HBO6-HBO8)			
			uïs JAMOUSSI & Dr. Sonia KTARI	
11h30-11h50	ТС2-НВО6	Amine Mokhtar DRICI	Decipher the genomic complexity of gastric cancer in an algerian population	
11h50-12h05	нво7	Yassine CHTOUROU	Naringin, ID6.chlorogenic acid and quercetin mixtures modulates cardio-myopathy apoptosis and necroptosis via ROS/NF-κB and RIP1/RIP3/MLKL signaling in	

				e aged rats: A multimodal approach combining mental and in silico molecular docking studies
12h05-12h20	НВО8	Emna HAMDI		obody derived from immunized dromedary ifically recognizing KPC-3 class A serine-β-lactamase
13h			Lu	nch
14h30-15h30		Poste	er Sessio	n: Discussion
	Bi	oactive Molecules		BMP1-BMP43
	Pla	ant Biotechnology		PBP1-PBP37
15h35-16h05		P	lenary Co	onference 3
		Chairmen: Pr. Samir E	BEJAR &	Pr. Oumèma NOURI ELLOUZ
15h35-16h05	Cf3: Raja MO	KDAD GARGOURI		ution of Next-Generation Sequencing (NGS) in come of cancer patients in the South of Tunisia
16h10-18h00		3	8 Paralle	l Sessions
	Room1: Bioactive Molecules 5 Oral communications (BMO11-BMO15) Pr. Walid HAMADA & Dr. Mohamed Najib SAIDI			
16h10-16h30	TC4-BMO11	Rayen OUALBANI		Quantitative analysis by LC-MS/MS and acological evaluation of an endemic geophyte
16h30-16h45	BMO12	Sawsen ELHISS		duronic acid from Bluefin tuna by-product: tural analysis and pharmacological activities
16h45-17h00	BMO13	Chondroitin Sulfate and Dermatan Sulfa		omposition and Anticoagulant Potential of ndroitin Sulfate and Dermatan Sulfate from nedibles Parts of Garfish (Belone belone)
17h00-17h15	BMO14	Olfa HBAIEB		rformance Evaluation of Supercritical CO ₂ Fechnique in Date Stone Oil Extraction
17h15-17h30	BMO15	Ola ABDELHEDI		ysis coupled with membrane separation for the on of bioactive peptides from defatted smooth hound byproduct proteins
	Room 2: Plant Biotechnology 7 Oral Communications (PBO11-PBO15)			
	Chairmen: Pr. Faiçal BRINI & Pr. Aissam SALAMA			
16h10-16h30	ТС3-РВО11	Karim KADRI	in a co	ation to the analysis of molecular polymorphism llection of date palms (<i>Phoenix dactylifera</i> L.) formed by Tunisian and Indian cultivars
16h30-16h45	PBO12	Hatem BOUBAKRI	reveal	ne-wide identification and expression analysis ed the involvement of brachypodium <i>H-Type edoxin</i> gene family in abiotic stress response
16h45-17h00	PBO13	Walid ABIDI	Mitiga olive (c	ting drought stress by compost fertilization in ev. Arbequina) conducted in super high density

	Chairn	4 Oral communications (BMO17-BMO19) Chairmen: Dr. Olfa FRIKHA GARGOURI & Pr. Hichem BEN SALAH		
	Room 1: Bioactive Molecules			
	3 Parallel oral sessions			
9h00-9h40	Cf4 : Pr. Hojeong KANG Soil Microbes as a Driver of Global Carbon Cycle			
	C		enary Conference 4 OUNSI & Pr. Noureddine ALLOUCHE	
	Wednesday 20/12/2023			
20h			Dinner	
	Industrial Biotechnology IBP1-IBP11			
			otechnology HBP1-HBP25	
18h00-19h00			al Biotechnology EBP1-EBP26	
	lactation of local goat in arid regions Poster Session: Display and Discussion			
17h15-17h30	IBO5	Ahlem ATOUI	Factors affecting the milk yield and composition over	
17h00-17h15	IBO4	Imène AMMAR	Optimization of gluten-free sponge cake fortified with whey protein concentrate using mixture design methodology	
16h45-17h00	IBO3	Emna MOUJEHED	A cleaning and efficient approach to improve sheepleather quality by enzymatic degreasing	
16h30-16h45	IBO2	Fatma KALLEL	Effect of enzymatic treatments and microfiltration on the physicochemical properties and antioxidant activities of two Tunisian prickly pear juices	
16h10-16h30	TC1-IBO1	Manel MECHMECHE	A novel coating approach by the development of an edible biopolymers of tomato seed by products to improve strawberries nutritional quality during storage	
	Chair	rmen: Pr. Hafedh BF	ELGUITH & Pr. Billal ZENATI	
			: Industrial Biotechnology ommunications (IBO1-IBO5)	
17h45-18h00	PBO17	Rim NEFFISSI	Transcriptomic analysis of salt stress response in barley leaves	
17h30-17h45	PBO16	Ikram ZRIBI	The Wheat Pathogenesis-Related Protein (TdPR1.2) enhanced tolerance to abiotic and biotic stresses in transgenic <i>Arabidopsis</i> plants	
17h15-17h30	PBO15	Hanen KAMOUN	The thioredoxin h-type TdTrxh2 protein of durum wheat confers abiotic stress tolerance in transgenic <i>Arabidopsis</i> plants through its protective role and the regulation of redox homoeostasis	
17h00-17h15	PBO14	Siwar GHANMI	Isolation and molecular characterization of an FSK2- type dehydrin from Atriplex halimus	

9h45-10h05	TC3- BMO16	Firas FEKI	Development of natural emulsifier from <i>Pistacia</i> lentiscus fruit residue for O/W nanoemulsions formulation
10h05-10h20	BM017	Ines DHOUIB	Pyrazole and pyrazolone derivatives as specific α- glucosidase inhibitors: in vitro combined with in silico, hemolytic and cytotoxicity studies
10h20-10h35	BMO18	Mouna BEN HAMMOUDA	Physicochemical, phytochemical and bioactive compounds profiles changes during the aging process of prickly pear vinegar
10h35-10h50	BMO19	Hajer BOUGATEF	Development of a novel method for the purification of phycocyanin pigment from <i>Spirulina platensis</i> and evaluation of its anticancer properties
			Environmental Biotechnology ommunications (EBO4-EBO1)
	Chair	men: Pr. Mohamed CH	IAMKHA & Pr. Naima TEDJARI
9h45-10h05	тс1-ево1	Nourhène BOUDHRIOUA	Optimization of DIC-Tripolium ecofriendly extraction process for oleuropein recovery from olive leaves and improvement of the antioxidant and antidiabetic activities of the extracts
10h05-10h20	EBO2	Rabia CHERFOUH	Contribution to the knowledge of olive by-products and the environmental impact of the activity of the olive oil extraction plants of Tizi-Ouzou, Algeria
10h20-10h35	ЕВО3	Fatma HADRICH	Olive Mill Waste Water (OMW): Recovery of components with high added value and biomethane potential
10h35-10h50	EBO4	Soumaya DBARA	Effects of oil mill wastes used as eco-fertilizer on pomegranate plants
10h50-11h05	EBO5	Rihab HACHICHA	Mixotrophic cultivation of <i>Chlorella</i> on olive mill wastewater medium: growth kinetics and cellular responses
	Room 3: Industrial Biotechnology (IB) 5 Oral communications (IBO6-IBO12)		
	Chairm	en: Pr. Bassem JAO	UADI & Pr. Amel BOUANENE DERENFED
9h45-10h05	TC2- IBO6	Myriam LAMINE	The recovery of high-added values compounds through an integral green valorization of citrus residual biomass
10h05-10h20	IBO7	Nermine SAYAH	Physical and antioxidant properties of clay/gelatin films enriched with Chamomile extract as active biomaterials
10h20-10h35	IBO8	Fatma BENJEDDOU	Efficiency and sustainability of bio-sourced insecticides: from source to production, for vector control
10h35-10h50	IBO9	Raida ZRIBI From Next-Generation Sequencing to Nanopo Sequencing technology: Bacterial Genome Asser Annotation and Biotechnology finding feature	
10h50-11h05	IBO10	Iheb BOUKARI Strategies for improving expression of recom human chorionic gonadotropin in Chinese Ha Ovary (CHO) cells	

11h05-11h25	Coffee Break

11h30-13h00	2 Parallel Sessions				
	Room 1: Environmental Biotechnology 6 Oral communications (EBO6- EBO11)				
	C	hairmen: Pr. Imen KI	IOUNI & Pr. Nizar TLILI		
11h30-11h45	EBO6	Rabii LANWAR	Evaluation of the potential of olive pruned wood in terms of soil fertility		
11h45-12h00	EBO7	Mouna JRAOU	Performances of a two-stage anaerobic system for the treatment of fruit and vegetable wastes		
12h00-12h15	EBO8	Gharbi YAACOUB	Co-composting of shrimp shell waste and olive leaves: Physico-chemical and agronomic quality assessment		
12h15-12h30	EBO9	Linda JAMMELI	Potential plant seeds as sustainable green coagulant for soya oil refinery wastewater treatment: Optimization Through Response Surface Methodology		
12h30-12h45	EBO10	Nadia ZARAI JAOUADI	Purification and biochemical characterization of a new peroxidase from prickly pear racket <i>Opuntia ficus-indica</i> and its application in detergents formulation and textile dyes biodegradation		
12h45-13h00	EBO11	Besma DEBBABI	Effect of the use of Biological Hydro-Retainers on Soil Microbiology properties and plant Physiology irrigated by Treated Urban Wastewate		
	Room 2 : Industrial Biotechnology 5 Oral Communications (IBO1-IBO5)				
		Chairmen: Pr. Riadh	Ben SALAH & Pr. Karima BELGUITH		
11h45-12h05	IBO11	Mouna JLIDI	Isolation and Characterization of marine Bacillus spp. as potential probiotic to Fight Aquaculture Bacterial Diseases		
12h05-12h20	IBO12	Nawel BOUCHERBA	Production, purification and characterization of lipase from <i>streptomyces Strain</i> 22dz		
12h20-12h35	IBO13	Jaehyun LEE	Soil organic carbone is a key determinant of CH4 sink in global forest soil		
12h35-12h50	IBO14	Marwa GDOURA BEN AMOR	Antibacterial and Antibiofilm Efficacy of Cinnamon (Cinnamomum zeylanicum Blume) Essential Oil against Bacillus cereus group		
12h50-13h05	1BO15	Randa BEN AKACHA	Prevalence and virulence factor genes of <i>Bacillus</i> cereus group strains isolated from the dairy farm environment and raw milk in Tunisia		
13h00	Lunch				

Wednesday Afternoon 20/12/2023				
	Poster discussion (continuation & end)			
14h30-15h30	Environmental Biotechnology	EBP1-EBP26		
	Health Biotechnology	НВР1-НВР25		
	Industrial Biotechnology	IBP1-IBP11		
15h30- 16h10	Plenary Conference 5			
	Chairmen: Pr. Mohamed CHAMKHA & Pr. Houcine NEILI			

	Cf5: Pr. Ah	med BARKIA	Atheroprotective effect of fish products and co-products	
16h10-17h30	Room1: Environmental Biotechnology (EB)			
		5 Ora	l Communications (EBO14-EBO21)	
	Chairmen:	Pr. Nourhène BOU	UDHRIOUA & Pr. Rym SALAH-TAZDAIT	
16h10-16h30	TC2- EBO12	Sonia JEMLI	A novel cartoon crosslinked β -cyclodextrin polymer for the efficient removal of mercury from aqueous solutions	
16h30-16h45	EBO13	Yassine HIDRI	Sewage Sludge valorization under sub-humid Mediterranean conditions: Effect on soil and forage crop (X Triticosecale Wittmack) Quality	
16h45-17h00	EBO14	Sonia MBARKI	Combinated effect of cadmium and municipal solid waste	
17h00-17h15	EBO15	Badreddine SELLAMI	Marine mussels <i>Mytilus galloprovincialis</i> as bioindicator of nanoparticles contamination	
17h15-17h30	EBO16	Imen BOUZIDI	Interaction between hydrocarbons and oxidative defense system in Mediterranean mussels <i>Mytilus</i> galloprovincialis	
20h00		Dinner		
21h00	Award ceremony			
	Thursday 21/12/2023			
9h30	Concluding and Closing Ceremony			
11h	Departure			