



ICFES 24'
Food & Environmental
Sciences

International Congress on Food & Environmental Sciences

ICFES 24' CONGRESS PROGRAM

JANUARY
19 & 20, 2024

PRESIDENCY OF MOULAY ISMAIL UNIVERSITY

➔ 8:30 AM - 9:30 AM Opening and welcoming of participants

KEYNOTES

Moderation: Pr. Samir EL JAAFARI, Coordinator-Morocco of the Institutional University Cooperation Program (IUC) at Moulay Ismail University

➔ 9:30 AM - 9:40 AM Mr the President of Moulay Ismail University.

➔ 9:40 AM - 9:50 AM Mr the Dean of the Faculty of Sciences, Meknes.

➔ 9:50 AM - 10:15 AM The Honorary Committee.

➔ 10:15 AM - 10:30 AM The Organizing Committee represented by Pr. Hassan HAJJAJ, Coordinator of the Cluster of Competency «Agri-food, Safety and Security», IUC Project.

➔ 10:30 AM - 11:00 PM Coffee Break

INTRODUCTORY LECTURES

Moderation: - Dr. Abdrrahim BENTAIBI, Head of CRRRA - Meknes.
- Pr. Younes FILALI ZEGZOUTI, Faculty of Sciences - Meknes.

➔ 11:00 AM - 11:30 AM Dr. Faouzi BEKKAOU: Director of National Institute for Agronomic Research, Morocco.
• **Lecture 1:** Resilience of agricultural systems in the face of climate change - INRA program.

➔ 11:30 AM - 12:00 AM Pr. Geert HAESAERT: Belgian project coordinator - Professor at the Faculty of Bioscience Engineering of Ghent University, Belgium.
• **Lecture 2:** Impact of plant breeding on food security, quality and safety.

➔ 12:00 PM - 12:30 PM Discussion

➔ 13:00 PM - 15:00 PM Lunch Break



Lecture Sessions: 15:30 to 17:15

Chairmen: Pr. Mohamed HAFIDI , Pr. Lhoussain HAJJI, and Pr. Ali ESSAHLAOU

- ➔ **15:30 PM – 16:05 PM** Pr. Adnane REMMAL: Professor at Sidi Mohamed Ben Abdellah University, Morocco.
 - **Lecture 3:** De la recherche universitaire à la valorisation sur le marché: obstacles et succès.

- ➔ **16:05 PM – 16:40 PM** Pr. Dalila BOUSTA : Director of National Agency for Medicinal and Aromatic Plants, Morocco
 - **Lecture 4:** Apport de la Valeur Ajoutée aux Plantes Médicinales: Une contribution durable sur le plan économique.

- ➔ **16:40 PM – 17:15 PM** Pr. Kamal ABERKANI: Professor at Mohammed First University, Morocco
 - **Lecture 5:** Multi-Approaches Field Research Experiments Based on Smart Agriculture Practices Used against Drought: Cases studies on Various Crops Grown under the Mediterranean Climate Conditions.

- ➔ **17:15 PM – 18:00 PM** Coffee Break and Poster sessions

Oral presentation sessions:

18:00 to 19:10

Food & Agricultural Biotechnology, Food Chemistry & Biotechnology At Conference Hall	Functional Foods & Bioactive compounds At CEDoc-Room C1	Food Safety and Hygiene, Food Sensory & Flavors, Food & Nutritional Science At CEDoc-Room C2
<p>CHAIRMEN:</p> <ul style="list-style-type: none"> ◦ Pr. Chakir SAID ◦ Pr. Behnam TAIDI 	<p>CHAIRMEN:</p> <ul style="list-style-type: none"> ◦ Pr. Ali ASSIFAOU ◦ Pr. Abdelhay EL HARRAK 	<p>CHAIRMEN:</p> <ul style="list-style-type: none"> ◦ Pr. Faouzia BENHALLAM ◦ Pr. Ali AIT BOUGHROUS
<p>1- Ahlam MBARKI: Deciphering Plant Growth-Promoting Rhizobacteria in The Date Palm Tree Rhizosphere: Insights from Southern Morocco's Oasis Ecosystem.</p>	<p>1- Chaymae HMIMEN: Exploring layered double hydroxides as nanocarriers for antioxidant and antimicrobial secondary metabolites: an integrated experimental and theoretical study.</p>	<p>1- Samya BOULAAJINE: Effect of dietary supplementation with tomato by-products on zootechnical performance and biochemical parameters in broilers (Gallus gallus).</p>
<p>2- Amal NADRE: Yield and gelling properties of agars from two species of Gracilariaceae: the introduced Agarophyton vermiculophyllum and the native Gracilariopsis longissima from an Atlantic lagoon (Oualidia, Morocco).</p>	<p>2- Fedoua DIAI: Comprehensive analysis of Moroccan bee pollen: A focus on physicochemical parameters and pharmacologic properties.</p>	<p>2- Chaymae GHAFLOUL: Preservation Paradigms: Balancing Safety and Health in Foodborne Disease Prevention and Novel Alternatives.</p>
<p>3- Ilham ZOUTTANE: Effect of Opuntia ficus-indica rhizobacteria on germination and growth improvement of wheat (Triticum aestivum)</p>	<p>3- Mohamed KOUIGHAT: First Study of Improved Nutritional Properties and Anti-Oxidant Activity in Novel Sesame (sesamum indicum) (L). Mutant Lines as Compared to Their Wild-Types.</p>	<p>3- Charaf Ed-dine KASSIMI: Fig Seeds: A Novel Frontier for Valuable Oil Discovery - Insights from Lipidomic Fingerprinting and Nutrient Profiling.</p>
<p>4- Majda EL AMRI: Response of faba bean (Vicia faba L.) to different crenate broomrape (Orobanche crenata) populations parasitism in Morocco</p>	<p>4- Hanae H'DAIDANE: Evaluation of the antioxidant, antifungal, and antibacterial activities of Atriplex halimus extracts: implications for agricultural applications.</p>	<p>4- Doha MARRAKCHI BENJAAFAR: The impact of Cannabis sativa. L on gastrointestinal motility.</p>
<p>5- Mariyam KADDOURI: Valorization of Olive Mill Wastewater as a Biofertilizer, an Evidence from some Moroccan Wheat (Triticum turgidum L. var. durum) Cultivars</p>	<p>5- Ibtihal AKHRIF: Total phenolic, flavonoid contents and antioxidant activity of Stachys Fontqueri.</p>	<p>5- El-mehdi EL-ASSRI: Proximate Composition and Nutritional Value of Pimpinella anisum Grown in Morocco.</p>
<p>6- Mbarek OUABOU: Micromeria macrosiphon Essential Oil for Food Preservation: Biocontrol of a Stored Product Pest Sitophilus oryzae essential oil against a major stored food Commodity Sitophilus oryzae</p>	<p>6- Ibtissam BOUSSAOUDI: Total Phenolic content, Flavonoid concentration and antioxidant activity of Laurus nobilis L. extracts.</p>	<p>6- Morad GUENNOUNI: Gluten content and Microbiological quality of gluten-free foods available in Morocco.</p>
<p>7- Meryem BOURAQQADI: Effect of medicinal and aromatic plants and enterocin OS1 on Listeria monocytogenes growth in a fermented sausage model: a comparative statistical study</p>	<p>7- Maryam HANIF: Exploring the Biochemical Richness: Comprehensive Analysis of the Bioactive Components in Moroccan Onion Ecotypes.</p>	<p>7- Toufik BOUDDINE: Behavior and preferences towards honey consumption by the Eastern Central Moroccan population.</p>

Agroecology, Biotechnology & Biodiversity Conservation At CEDoc-Room C7	Agroecology, Biotechnology & Biodiversity Conservation At CEDoc-Room C8
CHAIRMEN: <ul style="list-style-type: none"> Pr. Mohieddine MOUMNI Pr. Abdelhak BELHAJ 	CHAIRMEN: <ul style="list-style-type: none"> Pr. Bachir EL BOUHALI Pr. Majida HAFIDI
1- Abdelhadi EL HASNAOUL: Study of the antioxidant and antibacterial activity of <i>Matricaria pubescens</i> collected from the province of Errachidia, southeast Morocco	1- Mostafa LAMHAMDI: Ecdysone effects on protecting wheat (<i>Triticum aestivum</i> L.) germination from cadmium pollution
2- Bouthayna EL AMINE: The use of plant growth-promoting rhizobacteria to enhance physiological, agronomic, and forage quality of soybean grown under continuous deficit irrigation conditions	2- Zakaria JANFI: Monitoring <i>Aspergillus</i> spp. Population in fig crop (<i>Ficus carica</i>) in the Jerte Valley, Extremadura, Spain
3- Hajar AFQIR: Cultivation of <i>hypericum perforatum</i> under climatic and its effects on soil characteristics in Meknes Morocco	3- Naouar BEN ALI: Cloning of cork oak (<i>Quercus suber</i> L.) trees by somatic embryogenesis
4- Ilham DEHBI: Resistance to Moroccan Bread Wheat Varieties and Rust's Impact on Yield	4- Nouha HAOUDE: Assessment of some structural and functional leaf traits in fig accession under water stress
5- Ismail EL BAKALI: Characteristics of 6 Cannabis cultivars grown in the Bab Taza region (northern Morocco): For a future exploration of Cannabis Medicinal	5- Rajaa TESSE: Effect of pretreatment of <i>Argania Spinosa</i> (L) seeds on the germination rate in vitro
6- Rym SAIDI: Agrophysiological performance improvement of chickpea in the response to the co-application of bacterial consortium and P-fertilizers under P-deficient soil conditions	6- Samira MAMRE: Genotoxic effect and metal chelating activity of <i>Crocus sativus</i> stamens
7- Khalid DHASSI: Response of fodder beet to B foliar spray as an environmentally sustainable alternative method	7- Ziyad MOUDDAN: Effects of the application of Water Hyacinth-based compost on the growth parameters of maize under stress condition

Online sessions:
19:30 to 23:00 (UTC +1)

CHAIRMEN:
Pr. Mohamed BENAIZ, Dr. Wahauwouélé Hermann COULIBAL, Pr. Adil LAAZIZ,
Pr. Mohammed BOUTAHRICHT, and Dr. Said OULGHAZI

Author	Communication title	Country
Carole VIKOU	DIVERSITY, CHEMICAL COMPOSITIONS AND BENEFICIAL EFFECTS OF SOME SPICES AND AROMATIC LEAVES CONSUMED IN THE WORLD: CRITICAL REVIEW	Republic of Benin
Gilles Eustache KINSICLONON	TOXICITY IN RATS OF XENOBIOTICS FOUND IN DRINKING WATER IN THE LOCALITIES OF AHOMEY AND HOUÉDO IN SÔ-AVA, BENIN : AN EXPERIMENTAL STUDY	Republic of Benin
Yabo Majoie Géroxie TOHOYESSOU	CONTRIBUTION TO THE IMPROVEMENT OF THE NUTRITIONAL AND FUNCTIONAL PROPERTIES OF BREAD BY INCORPORATING CINNAMON POWDER (<i>CINNAMOMUM VERUM</i>).	Republic of Benin
Dounya KNIZIA	IDENTIFICATION OF QTL AND GENES UNDERLYING THE SEED ISOFLAVONE AND TOCOPHEROL CONTENTS IN SOYBEANS	United States of America
Imane MRABTI	CURRENT SITUATION AND FIRST MORPHOLOGICAL AND MICROSCOPIC DESCRIPTION OF THE CACTUS SCALE INSECT DIASPIS ECHINOCACTI BOUCHÉ (HEMIPTERA: DIASPIDIDAE) IN OPUNTIA FICUS-INDICA IN MOROCCO	Morocco
Mohammad ELOUAZKITI	VALEURS NUTRITIVES IMMÉDIATES, CAPACITÉ ANTIOXYDANTE ET PROPRIÉTÉ ANTIMICROBIENNE DES ÉPICAPRES D'OPUNTIA DILLENII	Morocco
Ekoua Regina KRABI	USE OF STARTER CULTURE FOR ATTIEKE PRODUCTION	Ivory Coast
Koffi Maïzan Jean-Paul BOUATENIN	EXCRETION OF B-GLUCOSIDASE AND PECTINASE BY MICROORGANISMS ISOLATED FROM TRADITIONAL EBRIÉ CASSAVA FERMENT USED FOR ATTIEKÉ PRODUCTION IN CÔTE D'IVOIRE	Ivory Coast
Kohi Alfred KOUAME	EFFECTS OF BACTERIAL BIOPESTICIDES ON SOME PHYSICO-CHEMICAL/BIOCHEMICAL CHARACTERISTICS MANGO JUICE	Ivory Coast
Mamadou TOURE	INCORPORATION OF CROP RESIDUES INTO SOIL: A PRACTICE TO IMPROVE SOIL CHEMICAL PROPERTIES	Ivory Coast

Online sessions:
19:30 to 23:00 (UTC +1)

CHAIRMEN:
Pr. Mohamed BENAZIZ, Dr. Wahauwouélé Hermann COULIBAL, Pr. Adil LAAZIZ,
Pr. Mohammed BOUTAHRICHT, and Dr. Said OULGHAZI

Author	Communication title	Country
Oroh Guillaume SERI	ANTIFUNGAL POTENTIALITIES AND IDENTIFICATION OF LACTIC ACID BACTERIA STRAINS ISOLATED FROM ATTIEKE CASSAVA FERMENTED FOOD IN CÔTE D'IVOIRE FOR VEGETABLES AND FRUITS BIO-PRESERVATION	Ivory Coast
Wahauwouele Hermann COULIBALY	VALORIZATION OF FERMENTED PALM SAP IN BIOETHANOL PRODUCTION	Ivory Coast
Samia EL OIRDI	IN VITRO AND IN SITU EVALUATION OF THE ANTIMYCOTOXIGENIC ACTIVITY OF LACTIPLANTIBACILLUS PLANTARUM 4F	Morocco
Zamblé Bi Irié Abel BOLI	VARIATION OF PHYSICO-CHEMICAL AND MICROBIOLOGICAL CHARACTERISTICS DURING THE PRODUCTION OF TRADITIONAL FERMENT FROM CASSAVA ROOTS (MANIHOT ESCULENTA CRANTZ) BOILED WITH THE PEEL	Ivory Coast
Younes DEHMANI	TOWARDS EXPERIMENTAL AND THEORETICAL UNDERSTANDING OF THE ADSORPTION BEHAVIOR OF PHENOL ON A NEW ACTIVATED CARBON PREPARED FROM OAK WOOD	France
Najat HADDAD	POTENTIAL INSECT VECTORS OF XYLELLA FASTIDIOSA IN MOROCCO: CASE OF SPITTLEBUG	Morocco

Poster sessions: Food Sciences

Author	Communication title
Amine BOUSTA	ESSENTIAL OILS AS A MEANS OF BIOLOGICAL CONTROL FOR TOXIGENIC MOLDS IN DURUM WHEAT
Chaimae EL YOUSSEFI	PGPR: ECO-FRIENDLY AGRICULTURAL PRACTICE FOR FOOD SECURITY AND FOOD CROP QUALITY
Douae BENLOUGHMARI	PRODUCTION AND QUALITY ASPECTS OF GOAT MEAT IN MOROCCO
Dounia EL FADIL	SMART PACKAGING: SENSORS FOR REAL-TIME MONITORING OF CUT-APPLE FRESHNESS, ENSURING FOOD QUALITY AND SAFETY
Fatima-Zahra YASSIF	PROMOTING THE HEALTH BENEFITS OF GOAT MILK AND ITS FERMENTED PRODUCTS BY INCREASING THE AWARENESS OF THE MOROCCAN CONSUMER
Hajar EL BASETT	ENCAPSULATION EFFICIENCY AND CHEMICAL STABILITY OF LYCOPENE IN DIFFERENT PLANT MATRICES
Hayat BELGASSAI	ASSESSMENT OF THE QUALITY OF SMALL PELAGIC FISH (SARDINA PILCHARDUS) LANDED AT THE PORT OF DAKHLA (SOUTHERN MOROCCO)
Mostapha MOUTAOIKIL	GRAPE SEED OIL: VALORIZATION OF GRAPE POMACE FROM MOROCCAN WINERIES
Nahla CHAKROUN	ESSENTIAL OILS FROM THE FRUITS OF DIFFERENT CULTIVATED AND WILD FENNELS MARKETED IN MOROCCO
Najoua SOULO	DETERMINATION OF ANTIOXIDANT PROPERTIES OF POLYPHENOLIC EXTRACT OF 3 BY-PRODUCTS OF CALLISTEMON VIMINALIS L. FILAMENT, FRUIT AND LEAVES
Nassima LAGNAOUI	UNVEILING THE PHYTOCHEMICAL COMPOSITION, NUTRITIONAL PROPERTIES, AND THERAPEUTIC POTENTIAL OF MOROCCAN CAPERS: PAVING THE WAY FOR THE DEVELOPMENT OF TECHNOLOGICALLY ADVANCED FOOD PRODUCTS
Ouarda EL HANI	GEOGRAPHICAL CLASSIFICATION OF SAFFRON (CROCUS SATIVUS L.) USING OPTICAL METHODS COMBINED WITH CHEMOMETRIC APPROACHES
Salma ASTATI	CHARACTERIZATION AND ANTIFUNGAL POTENTIAL OF THREE EUCALYPTOL-RICH ESSENTIAL OILS
Salma TOUIL	SELECTING OPTIMAL MOROCCAN OAT VARIETIES FOR ADVANCED FOOD TECHNOLOGY: A COMPARATIVE ANALYSIS OF PHENOLIC CONTENT AND ANTIOXIDANT CAPACITY
Samir EL BAKALI	ENVIRONMENTAL VARIATIONS IN COLOR INDICES OF OLIVE CULTIVARS (OLEA EUROPAEA L., CV 'MOROCCAN PICHOLINE') GROWN UNDER TWO WATER REGIMES ACROSS AN ALTITUDINAL GRADIENT IN CENTRAL-NORTHERN MOROCCO
Sandra DOMENEK	ANALYSIS OF PLASTICS POLLUTION IN THE MEDITERRANEAN SEA USING FT-IR ANALYSIS
Sandra DOMENEK	DEVELOPMENT OF BIODEGRADABLE PACKAGING GUARANTEEING THE QUALITY AND SAFETY OF INFANT FOOD POWDERS DISTRIBUTED IN MADAGASCAR
Youssra BELHADJ	THE EFFECTIVENESS OF RUBUS ULMIFOLIUS LEAF EXTRACTS AGAINST HOSPITAL STRAINS RESISTANT TO TREATMENT

Lecture Sessions: 9:00 to 10:45

Chairmen: Pr. Nouredine EL MOUALIJ, Pr. Hamid MAZOUZ, and Pr. Fatima JAITI

➔ 9:00 AM - 9:35 AM

Pr. Sandra DOMENEK: Professor in Process Engineering at UMR SayFood, AgroParis Tech, France
 • **Lecture 6:** Development of performing biodegradable and biobased food packaging by the valorization of agricultural by-products.

➔ 9:35 AM - 10:10 AM

Pr. Mohamed HAFIDI: Professor and Director of Microbial Biotechnologies, Agrosiences and Environment Laboratory at Cadi Ayyad University, Morocco.
 • **Lecture 7:** Valorization of organic waste through composting for sustainable agriculture in Africa: advantages and limitations.

➔ 10:10 AM - 10:45 AM

Pr. Behnam TAIDI: Professor of Industrial Biotechnology at CentraleSupélec, University of Paris Saclay, France.
 • **Lecture 8:** Agriculture; a mine of high value compounds and circular opportunity.



➔ 10:45 AM - 11:30 AM

Coffee Break and Poster sessions

Oral presentation sessions:

11:30 to 12:30

Food & Agricultural Biotechnology, Food Chemistry & Biotechnology  At Conference Hall	Agroecology, Biotechnology & Biodiversity Conservation  At CEDoc-Room C1	Agroecology, Biotechnology & Biodiversity Conservation  At CEDoc-Room C2
CHAIRMEN: <ul style="list-style-type: none"> Pr. Lhoussaine EL RHAFFARI Pr. El Houssine BOUIAMRINE 	CHAIRMEN: <ul style="list-style-type: none"> Pr. Mohamed AMANE Pr. Nadia SENHAJI 	CHAIRMEN: <ul style="list-style-type: none"> Pr. Lahcen CHILASSE Pr. Abdelilah RAHOU
1- Mohamed JOINE: Reproductive phenological calendar, agro-climatic requirements, chlorophylls, flowers, and fruits loads according to BBCH scale of three Mediterranean olive (<i>Olea europaea</i> L.) cultivars grown in Central Northern Morocco.	1- Khaoula LAMAIZI: Enhancing ram semen quality during cooled storage with aqueous extract of <i>Marrubium vulgare</i> L.	1- Saliha GHARBI: Antioxydant potentiel of rhizobial exopolysaccharides and enhancing wheat germination under salt stress.
2- Mohammed AJDIG: <i>Bacillus halotolerans</i> OM-41 isolated from olive rhizosphere: Potential for abiotic stress mitigation and verticillium wilt control in olive trees.	2- Kosi Unifia Clément APADOU: Diversity of bacteria isolated from root nodules of <i>Ononis diffusa</i> Ten. in Morocco.	2- Dina AKROUTE: The Susceptibility of Different Apple Cultivars to Codling Moth (<i>Cydia pomonella</i>) and the Factors Influencing the Level of Infestation under Moroccan Climatic Conditions.
3- Mouna JANATI: Influence of the incubation period of <i>Pleurotus ostreatus</i> on the chemical composition and nutritional performance of Faba bean (<i>Vicia faba</i> L.) hay as ruminant feed.	3- Mohamed BEN BAMMOU: Experimental study of the success of natural restoration of vegetation in temporary ponds after a non-selective herbicide treatment.	3- Abdelaaziz NOGOT: Effect of Algal Biostimulants on Growth and Biochemical Responses of Date Palm Trees under Water Stress
4- Oumaima OUADDE: Effectiveness of marine microalgae extracts against bacterial canker of tomato disease agent <i>Clavibacter michiganensis</i> subsp. <i>Michiganensis</i> .	4- Mohamed Amine BERKHLI: Contribution to the improvement of techniques for estimating the biomass of rosemary (<i>Rosmarinus officinalis</i>) in the eastern region of Morocco: Case of El Ayat forest (Taourirt).	4- Bouchra AYAT: DREAM: a promising alternative for the resilience and sustainability of apple orchards.
5- Oumayma ABDESSADAK: Computational approaches to discover a Kaempferol derivative extracted from <i>Senna alexandrina</i> as <i>Escherichia coli</i> enzyme (MurF) inhibitor by molecular docking, molecular dynamics simulation, and ADME-Tox.	5- Mouhcine AJDI: Dynamics of Plant Diversity and Exploration of Ecological Transformations Along the Allal El Fassi Dam in a Semi-Arid Climate.	5- Zoubida BELMAHI: Argo-morphological assessment under cultivation of an endangered and endemic <i>Thymus</i> in Morocco: <i>Thymus broussonetii</i> .
6- Adil KHTIRA: Blending 'Moroccan Picholine' olive oil with two table oil and induced changes in oil physicochemical traits.	6- Mohamed BENADDOU: Optimizing Lignin Biodegradation through Synergistic Interactions: A Consortium Approach with <i>Phanerochaete chrysosporium</i> and <i>Penicillium chrysogenum</i> .	6- Othmane ERRADI: Antioxidant and antiglycation activities of <i>Ramalina canariensis</i> extracts.

Landscape Degradation & Restoration, Water Remediation, Wetlands, Soil Decontamination  At CEDoc-Room C7	Food & Nutritional Science, Bioactive compounds  At CEDoc-Room C8
CHAIRMEN: <ul style="list-style-type: none"> Pr. Kamal ABERKANI Pr. Abdelilah JENNANE 	CHAIRMEN: <ul style="list-style-type: none"> Pr. Rour EL HABIB Pr. Fouad BENHNINI
1- Khaoula EN-NEJMY: Assessing microplastic contamination in agricultural soil: A case study on the use of plastic mulch in semi-arid regions.	1- Aziz TIKENT: Evaluation of the nutritional, marketing and commercial quality of two sun-dried figs Varieties (<i>Ficus carica</i> L.) Cultivated in Eastern Morocco.
2- Youssef HADDADI: Study on Cadmium Accumulation in Urban Sparrows in Meknes Morocco: A Toxicological Overview.	2- Hajar SOUJAA: Use of Cannabis and Cannabis-derived Compounds in Medical, Cosmetic, and Industry Sectors: A Micro-Study of Population Opinion in Morocco.
3- Mohamed OUHAMMI: The possibility of reusing treated wastewater From the Errachidia WWTP (Morocco) to agriculture: the case of zucchinis.	3- Khaoula FAIZ: Extraction of polyphenols from olive leaves and pomace and their valorization as natural antioxidants.
4- Nouhaila ZAAZOU: Mitigating Chemical Pollution: Unveiling the Potential of Microbial Bioactive Molecules for Environmental Bioremediation.	4- Latifa ROUZI: Prenatal exposure to lead in the city of Casablanca, Morocco. Umbilical cord blood levels and associated factors.
5- Wissal TANJAOU: Identification and characterization of pathogenic <i>Flexibacter maritimus</i> in European sea bass (<i>Dicentrarchus labrax</i>) raised in Aqua Mdiq.	5- Mohammed-Amine EDAALA: Photocatalytic degradation of the antibiotic Sulfamethazine using decatungstate anions in an aqueous solution: Mechanistic approach.
6- Kawtar EZZAH: Advanced Biochar Modification Techniques for Efficient Phenol Removal from Olive Mill Wastewater.	6- Mostapha MOUTAOIKIL: Investigating Oil Extraction from Industrial Byproducts for Innovative food applications.

12:30 PM - 14:00 PM



LUNCH BREAK

Poster sessions: Environmental Sciences

9:00 to 12:30

Author	Communication title
Abdessadeq BOUDJAJ	ESTIMATION OF CARBON SEQUESTRATION POTENTIAL BY TEMPORARY WETLANDS IN THE PROVINCE OF BENSILMANE
Amal LAMAADLI	VALORIZATION OF THE ALMOND BIODIVERSITY AND THE SELECTION OF GENOTYPES WITH ENHANCED RESILIENCE TO DROUGHT CONDITIONS
Assia LACHHAB	EXPLORING THE POTENTIAL OF HALOPHYTIC BACTERIUM FOR ALLEVIATING SALT STRESS AND ENHANCING CROP YIELD IN SEHB EL MESJOUNE, MOROCCO: FROM ISOLATION TO IN-DEPTH CHARACTERIZATION
Azzouz KRID	APPLICATION OF SEAWEED EXTRACTS TO MITIGATE ABIOTIC STRESS IN PLANTS
Barae ABAIDA	ESSENTIAL OIL OF LEMON VERBENA AGAINST COWPEA WEEVILS
Hafsa ZLALI	ISOLATION OF HEAVY METAL RESISTANT BACTERIA FROM TANNERY EFFLUENT IN TETOUAN CITY, MOROCCO.
Ijlal RAISSOUNI	FORECASTING OLEA EUROPAEA L. START DAY OF POLLINATION USING METEOROLOGICAL VARIABLES IN TETOUAN (NW OF MOROCCO)
Imane KARKACH	ISOLATION AND MOLECULAR IDENTIFICATION OF THE MOST DEVASTATING FUNGAL STRAINS AFFECTING PEACHES IN THE FÈS-MEKNÈS REGION
Ismail EL BAKALI	EFFECT OF TEMPERATURE ON GERMINATION OF FIVE CANNABIS CULTIVARS FROM THE FIFI REGION (NORTHERN MOROCCO)
Kaoutar NASSEF	PHOSPHATE SOLUBILIZING MICROORGANISMS AND THEIR USE IN SUSTAINABLE AGRICULTURE
Khaoula BEN GHALIB	ANTIOXIDANT AND ANTICANCER ACTIVITY OF THE BROWN AND GREEN ALGA, ULVA RIGIDA AND RUGULOPTERIX OKAMUREA
Khaoula LAMAIZI	VASECTOMY MODIFIES THE LEVEL OF STRESS MARKERS AND THE PROTEIN PROFILE OF RAM SEMINAL PLASMA
Laure Emeline ABLE	CONTRIBUTION OF INDIGENOUS MICROBIAL RESOURCES TO THE FERTILITY AND REVEGETATION OF GANTOUR'S POST-MINING SITE
Mohamed OUABANE	STRUCTURE-TOXICITY RELATIONSHIP IN NITROBENZENE AND DERIVATIVES: A PHYSICO-CHEMICAL STUDY USING 3D-QSPR, HQSPR, MOLECULAR DOCKING AND DYNAMIC SIMULATION

Lecture Sessions: 14:00 to 15:45

Chairmen: Pr. Khalil EL MABROUK, Pr. Rajae BELKHOUCHE and Pr. Mohammed DIOURI

- **14:00 PM - 14:35 PM** Pr. Hafida HANINE: Vice President of Scientific Research, Cooperation and Partnership, Sultan Moulay Slimane University, Morocco.
 - **Lecture 9:** Pomological and Phytochemical components and bioactivity assessment among twelve strawberry (*Arbutus unedo* L.) genotypes growing in Morocco using chemometrics analysis.

- **14:35 PM - 15:10 PM** Pr. Filip VAN BOCKSTAELE: Professor in the Food Structure and Function research group, Ghent University, Belgium.
 - **Lecture 10:** Structural design of wax-based oleogels and oleogel emulsions as fat mimetics.

- **15:10 PM - 15:45 PM** Pr. Ali ASSIFAOU: Professor at Université Bourgogne Franche-Comté, Institut Agro, INRAE, PAM, Dijon, France.
 - **Lecture 11:** Structure and Functions of Polysaccharides: From Extraction to Diverse Industrial Applications.

- **15:45 PM - 16:30 AM** Coffee Break and Poster sessions

Oral presentation sessions:

16:30 to 17:30

Biotransformation & Byproducts and Biomass, Biofuels & Renewable Energy At Conference Hall	Biotransformation & Byproducts and Biomass, Biofuels & Renewable Energy At CEDoc-Room C1	Functional Foods & Bioactive compounds At CEDoc-Room C2
CHAIRMEN: <ul style="list-style-type: none"> ◦ Pr. Hafida HANINE ◦ Pr. Mohamed BENLYAS 	CHAIRMEN: <ul style="list-style-type: none"> ◦ Pr. Abdelkader CHAHLAOUI ◦ Pr. Lahcen HSSAINI 	CHAIRMEN: <ul style="list-style-type: none"> ◦ Pr. Touria ZAIR ◦ Pr. Driss ISSOUAL
1- Adil ROUKBANI: Valorization of olive oil industry waste and recovery of high added value compounds and renewable energy production.	1- Mohamed Amine EL HAJAJI: Biological Activities and Phenolic Contents of Apricot By-products.	1- Mohammadine MOUMOU: Immature carob pod extract prevents hyperlipidemia and lipoprotein-rich plasma oxidation: a phytochemical and pharmacological study.
2- Dounia FETJAH: Impact of Paspalum growth through agricultural byproducts biochar in arid settings.	2- Mohammed ZINE: Polyphenols degradation through Microbial Fuel Cells energized by Olive Mill Wastewaters.	2- Noussaire EL Fihry: Structural characterization of polycaprolactone/pectin blend electrospun nanofibers.
3- Fatima Ez-zahrae MRIZAK: Production optimization and Purification of a proteolytic enzyme from <i>Aeromonas veronii</i> OB3.	3- Nidal ZRIKAM: Biorefinery for industrial valorization of <i>Cannabis sativa</i> L. in Morocco.	3- Otmene HALLOUCH: Proximate Composition, Antioxidant Activity, Lipids and Elemental Profiling of Argan, Almond, Soybean and Sunflower Oil Press Cakes Reveal a Great Potential of Valorization.
4- Fatima Zehra BOUCHMIAA: Comparison of the corrosion inhibitory efficacy of ecological extracts from <i>Crataegus</i> leaves and fruits.	4- Sara EL IADINI: Bioactive compounds in food system, agriculture and human health.	4- Ouafaa HAMDOUN: Chemical composition and antioxidant activity of <i>Opuntia ficus-indica</i> fruits.
5- Kaoutar BOUGADRA: Isolation and Purification of Macromolecular R-Phycocyanin Protein from Red Algae.	5- Rajae GHIBATE: Contribution to the conservation of the environment by pomegranate peel valorization.	5- Salah LAARAJ: Investigation of the chemical composition, phenolic compounds and antioxidant activity of carob leaves in different areas of Azilal province, Béni-Mellal Khenéfra region.
6- Majdouline AKKARI: The valorization of seaweed from the southern regions of Morocco.	6- Soukaina ARIF: Characterizing properties and molecular docking of lignocellulolytic enzymes: Comparative analyses of Moroccan fungal species.	6- Widad TBATOU: Evaluation of antioxidant activity in vitro, and diuretic effect in vivo of Pine needles extract of Morocco in Wistar Albino rats.

Food Processing & Preservation, Food Packaging Materials Technology At CEDoc-Room C7	Landscape Degradation & Restoration, Water Remediation, Wetlands, Soil Decontamination At CEDoc-Room C8
CHAIRMEN: <ul style="list-style-type: none"> Pr. Nourradine EL MOUALIJ Pr. Sandra DOMENEK 	CHAIRMEN: <ul style="list-style-type: none"> Pr. Behnam TAIDI Pr. Fatiha LAZIRI
1- Abderrahim ASBBANE: Effect of physical refining on the quality and oxidative stability of argan oil (<i>Argania spinosa</i> (L.) Skeels).	1- Abdelhadi MAZRHA: Biological treatment of winery wastewater by Sequential Batch Reactor.
2- Abdelhakim BOUDBOUD: Unlocking the Hidden Potential of Canino Variety Apricot Kernels: Chemical and Biochemical Insights for Sustainable Industrial Applications.	2- Ahmed ZEJLI: Microbial Fuel Cells performances using Sodium niobate as Photocathode for Energy Production and Wastewater Treatment.
3- Kawtar SAIDE: Selective extraction of maleic hydrazide in foods using magnetic molecularly imprinted polymers and colorimetric detection via smartphone.	3- Chahrazade EL HAMOUTI: Physicochemical parameters, nitrous oxide emissions, and denitrification genes in sediments of the marchica lagoon (Morocco).
4- Khaoula KHAYA: Life cycle variation of alginate yield and composition of <i>Gongolaria baccata</i> (Phaeophyceae) from the Atlantic coast of Morocco.	4- Ihsane MOUAOUJA: Purification performance of a sub-surface flow planted wetland for domestic wastewater treatment.
5- Nouhaila ZOUINE: Inhibition of Bacterial Adhesion on 3D Printed PET Surfaces through Caffeic Acid Treatment.	5- Imad RABICHI: Utilizing Biochar Sourced from Olive Mill Residues for Efficient Organic Contaminant Removal in Olive Mill Wastewater Treatment.
6- Zakarya AALAM: Spent Coffee Ground Antimicrobial Activity Variation According to Solvent Extraction and Microbial Strain.	6- Kaltoum BELKODIA: Coupling coagulation-flocculation with photo-Fenton-like oxidation process as an alternative for cheese wastewater treatment: effect of operational parameters and phytotoxicity assessment.

Poster sessions: Environmental Sciences
14:30 - 17:30

Author	Communication title
Mariam SABRI	ENZYMATIC ACTIVITIES OF THE RHIZOSPHERE BACTERIA OF EUPHORBIA ECHINUS (PSEUDOMONAS FLUORESCENS).
Mohammed EL MADIHI	VEGETATION DYNAMICS OF NORTH AFRICAN STEPPE (CASE STUDY OF THE MOULOUYA PLATEAU IN MOROCCO).
Mouna BELMOUDEN	THE NEMATOCIDAL POTENTIALITY OF SOME ALGAL EXTRACTS FROM EL JADIDA COAST AGAINST ROOT-KNOT NEMATODE (MELOIDOGYNE JAVANICA).
Nada AL MOUDANI	IMPROVING THE PHOTO-CATALYTIC ACTIVITY OF AJUGA IVA-DERIVED SILVER NANOPARTICLES THROUGH A GREEN SYNTHESIS APPROACH.
Niama KHALLAF	EFFECT OF SODIUM BICARBONATE IN RESPONSE TO DIFFERENT COLORS LIGHT ON BIOMASS PRODUCTION OF PHAEODACTYLUM TRICORNUTUM ISOLATED FROM MOROCCAN ATLANTIC.
Nouha HAOUDI	SHOOT, FRUIT AND LEAF GROWTH KINETICS FOR IDENTIFYING CRITICAL PERIODS OF FIG TREE WATER REQUIREMENTS.
Nouhaila ZAAZOU	BIOREMEDIATION OF CHROMIUM (VI) AND THE DYE CARMOISINE RED IN AQUEOUS ENVIRONMENT.
Oumou Ali DJIBRIL DIA	PHYTOCHEMICAL STUDY OF A WEST AFRICAN AND SAHELIAN ENDEMIC PTEROCARPUS ERINACEUS FROM MAURITANIA.
Rajae GHIBATE	SUSTAINABLE WASTEWATER TREATMENT USING ACTIVATED AGRICULTURAL WASTE BIOMASS.
Soufiane KHULI	TREATMENT AND VALORIZATION OF ORGANIC WASTE IN BLACK SOLDIER FLY FARMING: A NEW APPROACH TO BIOLOGICAL TRANSFORMATION.
Soukaina EL KHABBAZ	SEED GERMINATION OF CAROB TREE: CERATONIA SILIQUA.
Soumia EL YAZYD	VALORIZATION OF THE HYDRO-ACETONE EXTRACT OF PLANT CISTUS MONSPELIENSIS BY PHYTOCHEMICAL TESTS, DOSAGE OF PHENOLIC COMPOUNDS AND EVALUATION OF BIOLOGICAL ACTIVITIES .
Yousra AMEZIANE EL HASSANI	RISK ASSESSMENT OF ARSENIC AND MANGANESE CONTAMINATION IN BETA VULGARIS (BEETS) AND LACTUCA SATIVA (LETTUCE) GROWN ON WASTEWATER-IRRIGATED FARMS IN MEKNES.
Soukaina ED-DAKIRI	VALIDATION OF RUSLE SOIL LOSS HAZARD MAPPING RESULTS USING MAGNETIC SUSCEPTIBILITY MEASUREMENTS IN THE OUED GHISS DAM WATERSHED, CENTRAL RIF, MOROCCO.


RECOMMENDATIONS & AWARDS CEREMONY
