





## Welcome

Dear colleagues and distinguished guests,  
It is our great pleasure to welcome you to RENA'2025, the latest edition of the international congress on Natural Resources and Sustainable Development, held at the Faculty of Sciences of Chouaïb Doukkali University in El Jadida, Morocco.

This gathering brings together researchers, academics, practitioners and experts from around the world to tackle the urgent and complex issues surrounding the sustainable management and valorization of our planet's natural resources. In the face of mounting pressures from population growth, industrialization and climate change, which increasingly threaten biodiversity, degrade habitats, pollute ecosystems, and exhaust vital resources, our shared mission has never been more critical.

Over the next days, we will explore cutting-edge research, exchange innovative ideas, and engage in constructive dialogue across disciplines and sectors. Our hope is that RENA'2025 will inspire new collaborations, foster deeper understanding, and contribute to viable and sustainable strategies for resource management and environmental protection.

Thank you for joining us in this important endeavour. We wish you a stimulating, productive and memorable congress.

With warm regards,  
General Chairs

**RENA'2025**



**Prof. Samira ETAHIRI**  
*Conference Chair*



**Prof. Abdellah ZINEDINE**  
*Conference Chair*

**Day 1 - Thursday December 18, 2025**

<b>13:00-14:00</b>	<b>Registration</b>
<b>14:00-14:30</b>	<b>Opening Ceremony</b>
	Honorary Chairs General Chairs
<b>14:30-15:15</b>	<b>PLENARY CONFERENCE 1</b> <b>Prof. Omar ASSOBEI</b> (Sidi Mohamed Ben Abdellah University, Fez, Morocco) <i>« Sea and Ocean in Morocco: Exploitation and Sustainability Challenges »</i>
<b>Moderator: Prof. AMINE Jamal</b>	

**Coffee Break / Poster session 1 (15:15 - 15:45)**

<b>15:45 -16:30</b>	<b>PLENARY CONFERENCE 2</b> <b>Prof. Gaëtane WIELGOSZ-COLLIN</b> (Nantes University, France) <i>« Study of a new diatom species associated with biofilms: ecology and biotechnological potential »</i>
<b>Moderator: Prof. AMINE Jamal</b>	

**Oral sessions 1**  
**(Parallel Sessions)**  
**16:30- 19:00**

**Room 1: Biotechnology and Valorization of Natural Resources**  
**(CED Amphitheater)**

**Moderators: Prof. AMINE Jamal, Prof. RIHANI Mohammed**

<b>Time</b>	<b>Title and Authors</b>	<b>ID</b>
<b>16:30-16:40</b>	Chitosan: an effective polymer for enhancing plant growth, fruit quality, and tolerance to insect frass toxicity <b>Fatima EL AMERANY</b>	<b>670526</b>
<b>16:40-16:50</b>	Pectin and Chitosan Based Bioactive Coating Enriched with an Optimized Synergistic Essential Oil mixture from Citrus limon Peel By-Products, Thymus leptobotrys, and T. vulgaris for Shelf-Life Extension of Turkey Meat (Sun4Med, P3) <b>Imane ABBAD, Imane EL HAKIOUI, Bouchra SOULAIMANI, Soukaina MILOUDI, Mansour SOBEH, Mustapha BARAKATE, Abdelaziz ABBAD</b>	<b>673694</b>
<b>16:50-17:00</b>	Growth parameters and size-weight relationship of Hexaplex trunculus (Linnaeus, 1758) from the Fnideq coastline (North-Morocco) <b>Abdelilah FATHALLAH, Oumaima FARID, Afaf RHARRASS,</b>	<b>674797</b>

	Abderrahim CHIAAR, Saida Bouzid	
<b>17:00-17:10</b>	Valorization of dairy whey through native microbial fermentation: A sustainable biostimulant enhancing Tomato growth and productivity <b>Karima JMAILI</b> , Khawla WADDI, Mohamed LAHRAIRI, Meriem MAHMOUDI, Bouchaib BAHLAOUAN, Nadia BOUTALEB	<b>673686</b>
<b>17:10-17:20</b>	Anaerobic Digestion of Organic Waste: A Sustainable Approach for Biofertilizer and Biogas Production Toward a Circular Agriculture <b>Meriem MAHMOUDI</b> , Karima JMAILI, Zakaria ASBAI, Mohamed LAHRAIRI, Yasmine MASTARI, Khawla WADDI, Nadia BOUTALEB	<b>674242</b>
<b>17:20-17:30</b>	Valorization of Underutilized Wild Fruits for Sustainable Functional Development <b>Chadine HAMD</b> , Saida TAHROUCH, Oukacha AMRI, Hajar ELMOURABIT, Abdssamad MHANNI, Fadma FAHMI, Khadija ELMEHRACH	<b>673427</b>
<b>17:30-17:40</b>	<b>Discussion</b>	
<b>17:40-17:50</b>	Unveiling the anti-obesity potential of the brown algae Sargassum sp: effects on body composition and lipid metabolism in a rat model <b>Fatima Ezzahra KABBALI</b> , Youness KADIL, Jihane AITBENBELLA, Imane RAHMOUNE, Houda FILALI, Touria Ould Bellahcen	<b>679649</b>
<b>17:50-18:00</b>	Systematic and Ecological Characterization of Floristic Diversity with Emphasis on the Conservation Assessment of the Endemic and Threatened species: Thymus broussonnetii subsp. broussonnetii in a Southwestern Moroccan Ecosystem <b>Hanane DOUNAS</b> , Lahcen OUAHMANE	<b>663283</b>
<b>18:10-18:20</b>	Sustainable Valorization of Snail Shell Waste for Efficient Degradation of An Anionic Dye by Photocatalysis <b>Fahd HOUMMASS</b> , Smail MANYANI, Yassir BENCHERQUI, Mouad LATIF, Ahmed EL HAKMAOUI, Younes OUZIDAN, Mohamed SAFI	<b>679161</b>
<b>18:20-18:30</b>	Characterization and Evaluation of Vermicompost-Derived PGPR: From in vitro selection to Greenhouse Performance in Vegetable Crops <b>Mouna RAMZI</b> , Najwa BEN OUJJI, Abdelmalek MAHROUG, Mohamed AYOUB, Hassan BOUBAKER, Nadiya AMKRAZ	<b>682426</b>
<b>18:30-18:40</b>	Enhancement of biomass and phenolic compounds yield in Opuntia sp. through callus elicitation as an alternative approach for sustainable production of bioactive ingredients <b>Souhayla KODAD</b> , Hamza Arrach, Fatima Zahra BRIACHE, Imane HATTA, Imane BOUDAD, Adil MAZAR, Amine EZZARIAI, Youssef EL KHARRASSI	<b>675781</b>
<b>18:40-18:50</b>	Theoretical Confirmation of Benzothiazole Derivatives as Corrosion Inhibitors for Carbon Steel in Hydrochloric Acid <b>Salma DRADI</b> , Youssef YOUSSEFI, Nazih OUASSOU, Mohamed TANGHOURT, Mohammed EL MESKY, Nazih ASOUFAR, Mohamed YAAKOUBI, El Houssine MABROUK, M'abrek AZDOUZ	<b>679761</b>
<b>18:50-19:00</b>	<b>Discussion</b>	

**Room 2: Climate Change and Natural Resource Management, and Environmental Protection and Ecosystem Management**  
**(Bibilo Conference Salle)**

**Moderators: Prof. EL KHALIDI Khalid, Prof. KHALFAOUI Otmane**

<b>Time</b>	<b>Title and Authors</b>	<b>ID</b>
<b>16:30-16:40</b>	Suivi des variations annuelles de la qualité des eaux souterraines des Béni Amir (2017–2020) : Constat critique pour la gestion des ressources face aux changements globaux <b>Noura LMOUDN</b>	<b>672339</b>
<b>16:40-16:50</b>	Post-fire vegetation regeneration patterns under climatic and topographic constraints in the Moroccan High Atlas <b>Sanaa NOURY, Abderrahim ETTAQY, Hicham BOUZEKRAOUI, Moussa COUACHI</b>	<b>676805</b>
<b>16:50-17:00</b>	Geospatial And Temporal Assessment Of Soil Salinization And Drought Using The SPI Index In An Irrigated Area In A Semi-Arid Zone: The Case Of Beni-Amir (Central Morocco) <b>Ghizlane EL HAMRI, Hicham BOUZEKRAOUI, Abderrahim ETTAQY</b>	<b>673908</b>
<b>17:00-17:10</b>	Phosphogypsum Conversion into Calcium Oxalate Monohydrate and Ammonium Hydrogen Bisulfate: Optimization and Kinetics Investigation <b>Asmae LABOUIHI, Said MANSOURI, yousef TAMRAOUI, Jones ALAMI</b>	<b>677412</b>
<b>17:10-17:20</b>	Study of the effect of different concentrations of indole-3-butyric acid (IBA) and season on the regrowth of date palms (Phoenix dactylifera L.) cultivar Aziza Bouzid <b>Qamar MESBAHI, Ibtissam MZABRI, Zaineb BOULIDA, Nouredine KOUDDANE, Abdelbasset BERRICHI</b>	<b>679569</b>
<b>17:20-17:30</b>	Retrospective Analysis and Future Projections of Bioclimatic Indices Under Climate Change: The Case of Azilal Province, Morocco <b>Ayoub SGUIGAA, Said MOUKRIM, Said LAHSSINI, Abdellatif KHATTABI</b>	<b>680966</b>
<b>17:30-17:40</b>	<b>Discussion</b>	
<b>17:40-17:50</b>	UI/UX Design for a Database of Smallholder Oil Palm Plantations in Merangin Village, Kuok District, Kampar Regency <b>Joko RISANTO, Fatayat FATAYAT, Zaiful BAHRI, Rahmad KURNIAWAN, Teguh SUJANA, Finanta OKMAYURA</b>	<b>678008</b>
<b>17:50-18:00</b>	Sustainable Renovation of Educational Buildings using Date Palm Fiber Insulation under Csa-Type Climate <b>Mhajjiba BELHOUS, Soufiane OUKACH, Mustapha BOUMHAOUT, Hassan HAMDI</b>	<b>679736</b>
<b>18:10-18:20</b>	Approches climatiques et cartographiques pour l'évaluation des risques hydriques liés au changement climatique à Sidi Ifni (Maroc) <b>Salah LAMINE, Abdessamad NAJINE, Hassan LEMACHA, Omaima KHATIR, Khadija NACIRI, Hiba TOUBALI</b>	<b>675213</b>
<b>18:20-18:30</b>	Extreme precipitation and the genesis of flash floods: a case study of the Oued Zat Watershed, Tensift Basin (Morocco)	<b>674801</b>

	<b>Abdelbasset ELGZOULI</b> , Nadia LAHLOU, Mohamed EL GHACHI	
<b>18:30-18:40</b>	Climate change in the province of Azilal (High Atlas, Morocco): retrospective analysis and future projections of bioclimatic indices <b>Ayoub SGUIGAA</b> , Said LAHSSINI, Said MOUKRIM, Abdellatif KHATTABI	<b>675621</b>
<b>18:40-18:50</b>	Effect of Season on Oxidative Stress Parameters in Sheep from the High Plateaus of Eastern Morocco <b>OUMAIMA MAHIR</b> , Fatima ZARQI, Soukaina SAADAOUI, Khaoula LAMAIZI, Bouchra EL AMIRI	<b>679259</b>
<b>18:50-19:00</b>	<b>Discussion</b>	

**Day 2 – Friday December 19, 2025**

<b>08:45 - 09:30</b>	<p><b>PLENARY CONFERENCE 3</b></p> <p><b>Prof. Rachid SOULIMANI</b> (University of Lorraine, France)</p> <p>« <i>Functional valorization and eco-transformation of bioresource derivatives in Morocco: A socio-economic and biotechnological challenge by 2030</i> »</p>
<b>Moderator: Prof. ZINEDINE Abdellah</b>	

<p><b>Oral sessions 2</b> (Parallel Sessions) <b>09:30 - 11:00</b></p>		
<p><b>Room 1: Biotechnology and Valorization of Natural Resources</b> (CED Amphitheater)</p>		
<p><b>Moderators: Prof. CHOUL-LI Souhaila, Prof. LASKY Mariama</b></p>		
Time	Title and Authors	ID
<b>09:30-09:40</b>	Valorization of Moroccan Niora through Controlled Drying Using a Hybrid Solar Dryer <b>Fatimzahra ZIKY</b> , Hind MOUHANNI, Fadoua EL MAKHOUKHI, Hajar AZRAIDA, Soukaina ZINI, Asmae BENKERROUM, Khadija OUBELLA	<b>677941</b>
<b>09:40-09:50</b>	Phytochemical Profiling and Antioxidant Assessment of Peel and Leaf extracts of Citrus aurantium <b>Maria Tijini</b> , Zaynab OUADGHIRI, Majdouline AZIZ, Othman EL FAQER, Samira RAIS, El Mostafa MTAIRAG	<b>675409</b>
<b>09:50-10:00</b>	Protective Effects of Codium Polysaccharides Against Ziram-Induced Liver Toxicity in Rats <b>Zakaria BOUJHOUD</b> , Marwa LAKHREM, Ibtissem BEN AMARA	<b>678847</b>
<b>10:00-10:10</b>	Effect of substrate on germination, growth, and anthocyanin pigment accumulation in Caralluma tuberculata (Gems of the Hills) <b>Ikhlasse BENTALEB</b> , Ibtissam MZABRI, Kaoutar ABOUKHALID, Mounsef NEFFA, Abdelbasset BERRICHI	<b>679464</b>
<b>10:10-10:20</b>	PGPR Screening of Rhizospheric bacteria Associated with Atriplex halimus from Moroccan ecosystems and Evaluation of Selected Isolates on Tomato Plants <b>Mohamed SIHAM</b> , Ez-zahra Ez-zahra OUBASSOU, Imen GHAZALA, Moez HANIN, Chantal EBEL, Mustapha BARAKATE	<b>675708</b>
<b>10:20-10:30</b>	Influence of IBA Concentrations on Rooting and Growth of Thymus munbyanus Cuttings <b>Ranya HAJJAMI</b> , Amine OUBRHOU, Bouchra OUHEJJOU, Chakib ALEM	<b>673258</b>

<b>10:30-10:40</b>	Enhancing sesame ( <i>Sesamum indicum</i> L.) germination and seedling vigor using aqueous extracts of microalgae as biostimulants <b>Khaoula ABID</b> , Imane El ateri, Mountasser Douma, Najat Manaut	<b>678722</b>
<b>10:40-10:50</b>	How does the aqueous fraction of <i>Rosa centifolia</i> L. affect hemostasis parameters? <b>Omayma EL MEZIOUY</b> , Ali BERRAAOUAN, Akissi ZACHÉE LOUIS EVARISTE, Moulay Hfid YOUSOUFI, Karim AHMED, Abdelkhaleq LEGSSYER, Sevser SAHPAZ, Abderrahim ZIYYAT, Hassane MEKHFI	<b>674139</b>
<b>10:50-11:00</b>	<b>Discussion</b>	
<b>Room 2: Climate Change and Natural Resource Management, and Environmental Protection and Ecosystem Management (Biblio Conference Salle)</b>		
<b>Moderators: Prof. CHIAHOU Brahim, Prof. MAKROUM Kassem</b>		
<b>Time</b>	<b>Title and Authors</b>	<b>ID</b>
<b>09:30-09:40</b>	Identification des principaux défis de la filière des plantes aromatiques et médicinales: une approche de Pensée Design appliquée aux coopératives NISAE ASKA et Timeddahine dans la province d'Azilal <b>Chaimaa ELGOTBI</b> , Hafida EL HAOUZALI, Abdellatif KHATTABI, Dianne PRUNEAU	<b>676515</b>
<b>09:40-09:50</b>	Analyse de la Variabilité Pluviométrique au Barrage d'Ouljet Soltane (1980-2024) <b>Kawtar REZKALLAH</b> , Abdelali SEBBAR, Mohammed HSAINE, Kaoutar HAMDIA ALAOUI, Hassan FOUGRACH, Wadi BADRI	<b>684346</b>
<b>09:50-10:00</b>	Energy optimization and digitization of the photovoltaic using sun path tracker systems installed in a robot <b>Abdellatif HRAICH</b> , Ali HADDI	<b>674103</b>
<b>10:00-10:10</b>	Assessment and Sustainable Treatment Strategies for Infectious Hospital Effluents: Towards an Eco-Responsible Management Approach Model <b>Khawla WADDI</b> , Karima JMAILI, Mohamed LAHRAIRI, Zakaria ASBAI, Selma ELKHAYAT, Bouchaib BAHLAOUAN, Nadia BOUTALEB	<b>673685</b>
<b>10:10-10:20</b>	Tendances et interconnexions entre le commerce international et les nouvelles dispositions environnementales : Analyse bibliométrique <b>Hajar AKRATE</b>	<b>675792</b>
<b>10:20-10:30</b>	Optimization of Outfall Brine Discharge of Tarfaya Desalination Plant <b>Zineb CHARI</b> , Essediya CHERKAOUI, Mohammed KHAMAR, Abderrahman NOUNAH	<b>670957</b>
<b>10:30-10:40</b>	Oxidative Stress and Biological Responses of Mussels to Coastal Contamination: A Case Study from the Safi Coast <b>Hafssa CHOUKRI</b> , Hafssa CHOUKRI, Fatima RAFIQ, Ahmed KHADRA, Mohamed TECHETACH, Naaila OUAZZANI, Ouafa CHERIFI	<b>675791</b>

10:40-10:50	Salt Tolerance and Desalination Abilities of Green Microalgae and Cyanobacteria Isolates <b>Maryem MINHAJ</b> , Mountasser DOUMA, Najat MANAUT	679304
10:50-11:00	<b>Discussion</b>	
<b>Room 3: Biodiversity and Functioning of Natural Ecosystems (CED Salle)</b>		
<b>Moderators: Prof. REZZOUM Noredine, Prof. EL ADLOUNI Chakib</b>		
<b>Time</b>	<b>Title and Authors</b>	<b>ID</b>
09:30-09:40	Quantifying carbon storage decline under land degradation in the Central High Atlas: A case study of the Oued Ahansal watershed (2000–2022) <b>Aicha JAMAL</b> , Abderrahim ETTAQY, Abdelghani QADEM	674946
09:40-09:50	First Insights into Beetle Diversity in Tazzeka National Park (Middle Atlas, Morocco) <b>Imad ELAINE</b> , Yousra BENYAHIA, Nouredin MAATOUF, Ahmed TAHERI, Brahim SABOUR	673058
09:50-10:00	Preliminary Assessment of Seasonal Variations in Macroalgal Biodiversity at Souiria L'Kdima (Atlantic Moroccan Coast) <b>Ichraq BEN ELFKIH</b> , Touria OULD BELLAHCEN, Hakima ZIDANE, Nor-Eddine REZZOUM	682326
10:00-10:10	Microorganisms and bio-sustainability of citrus orchards in Morocco <b>Maryeme BOUSLIM</b> , Kaoutar EL MAHI, Mohamed SELFATI, Abderrazzak RACHIDI, Mostafa KABINE	674868
10:10-10:20	Distribution of Benthic Foraminifera in the NADOR LAGOON (MOROCCO) <b>Otmane KHALFAOUI</b> , Mounia TAHRI, Abdelfettah BENCHRIF, Meryem MOJTAHID, Abdelmourhit LAISSAOUI	676327
10:20-10:30	Genetic characterization and population structure of local Beldi chicken in Morocco <b>Saida AIT TIZI</b> , Safae SIMMA, Abdessamad OUHROUCH, Marco MILANESI, Mohammed BENBATI, Bouchra EL AMIRI, Moustapha IBNELBACHYR, El Mustapha SEKKOUR, OUMAIMA MAHIR, Abdelmajid BECHCHARRI, Elisa SOMENZI, Michèle TIXIER-BOICHARD, Paolo AJMONE MARSAN, Bouabid BADAOU, BADR BENJELLOUN	679286
10:30-10:40	Long-term trends in alpha and functional diversity of Moroccan intertidal malacofauna communities: A 15-year comparative study <b>Mohamed OUASSAS</b> , Aicha AIT ALLA, Mustapha AGNAOU	675744
10:40-10:50	Contamination Persistante en PSP Des Coques Rouges (ACANTHOCARDIA TUBERCULATUM) : Cas de la Mediterranee Occidentale du MAROC <b>Amal HORMAT-ALLAH</b> , Hassan ERRAIOUI, Samir BENBRAHIM	662996
10:50-11:00	<b>Discussion</b>	

**Coffee Break / Poster session 2 (11:00 – 11:30)**

**Oral sessions 3  
(Parallel Sessions)  
11:30 - 13:00**

**Room 1: Biotechnology and Valorization of Natural Resources  
(CED Amphitheater)**

**Moderators: Prof. ERRACHIDI Faouzi, Prof. Abderrahmane AIT KADDOUR**

<b>Time</b>	<b>Title and Authors</b>	<b>ID</b>
<b>11:30-11:40</b>	The impact of PH conditions (acid and base) and different culture media (BBM, F2) on the growth of different microalgal strains <b>Doha BOUMALIK</b> , Saad BOUGRINE, Ilyass ELALAOUI, Lalla Aicha LRHORFI	<b>662794</b>
<b>11:40-11:50</b>	Symbiotic cultivation of high value microalgae species with bacteria for domestic wastewater treatment and biomass production <b>IKRAM EL ALAOU</b> , Soufiane FAL, Hicham EL ARROUSSI	<b>676791</b>
<b>11:50-12:00</b>	Potentiell antibactérien et antioxydant de l'huile essentielle de Cladanthus sp. collectée dans la région de Drâa-Tafilalet (Maroc) <b>Mehdi BOUQAQ</b> , Hanane OUALILI, Mohammed BOUQADIDA, Youssef LAHLOU, Youness EL JADOUMI, Malika BELFAIZA, Kassem MAKROUM, Abdellah MAISSOUR	<b>678871</b>
<b>12:00-12:10</b>	Hemorrhagic Activity of Cerastes cerastes and Daboia mauritanica Venoms: Indicators of Viper Bite Severity in Morocco <b>Nihal MESMOUDI</b> , Nouredine HAMMANI, Khawla AMMOUCH, Samir IBENMOUSSA, Abdellah MOUSTAGHFIR, Naoual OUKKACHE	<b>675773</b>
<b>12:10-12:20</b>	Understanding PET Biodegradation Mechanisms by Polyester Hydrolase (PEH): Bridging Enzymatic Catalysis and Sustainability <b>SAMAH NASSIR</b> , Pedro PAIVA, Rui P. P. NEVES, Pedro A. FERNANDES, Achraf EL ALLALI, Maria J RAMO	<b>676169</b>
<b>12:20-12:30</b>	Integrated Affinity Chromatography, RP-HPLC, and SDS-PAGE Approach to Assess Monospecific Antivenom Efficacy Against Moroccan Cerastes cerastes Venom <b>Nouredine HAMMANI</b> , Nihal MESMOUDI, Salma CHAKIR, Khawla AMMOUCH, Reda CHAHIR, Ahmed SALIM LAHLOU, Hinde AASSILA, Abdellah MOUSTAGHFIR, Samir IBENMOUSSA, Naoual OUKKACHE	<b>679665</b>
<b>12:30-12:40</b>	Enhanced Microbiological and Physicochemical Preservation of Chicken Meat Using Chitosan–Pectin Composite Coatings Enriched with a Nanoemulsified Optimized Essential Oil Mixture <b>Imane EL HAKIOUI</b>	<b>673666</b>
<b>12:40-12:50</b>	Molecular identification of arbuscular mycorrhizal fungi associated with an endemic medicinal and aromatic plant in Morocco <b>Maryem LAGNAOUI</b> , Bouchra ELBAGHOUCHE, Hiba BOUQOUROU, Hanane DOUNAS, Lahcen OUAHMANE	<b>664204</b>
<b>12:50-13:00</b>	<b>Discussion</b>	

**Room 2: Climate Change and Natural Resource Management, and Environmental Protection and Ecosystem Management**  
**(Biblio Conference Salle)**

**Moderators: Prof. CHIAHOU Brahim, Prof. FLEURENCE Joël**

Time	Title and Authors	ID
<b>11:30-11:40</b>	Spatio-temporal Assessment of <i>Chondracanthus acicularis</i> along the El Jadida Coast (Plateau Saada): First in-situ Observations <b>Jalila BELKADI</b> , Mehdi MAANAN, Youssef AFQUIR, Mohamed ELLILOUCHI, Hakima ZIDANE, Nor-Eddine REZZOUM, Rachida HOUSSA	<b>678888</b>
<b>11:40-11:50</b>	Environmental and Health Risks of Poultry Manure Mismanagement in Morocco: A Multivariate Approach for Sustainable Waste Governance <b>Sara AJMANI</b> , Chadia MAJDOULINE, LHoussaine KAMMOU, Soufiane OUBDIL, Mohamed KHAMAR, Mounaim Halim EL JALIL	<b>679119</b>
<b>11:50-12:00</b>	Analyse des signatures spectrales des macroalgues à partir des mesures de laboratoire et des données satellitaires : Application au médiolittoral du Plateau Saada et de Moulay Abdellah (El Jadida) <b>Youssef AFQUIR</b> , Jalila BELKADI, Touria OULD BELLAHCEN, Nor-Eddine REZZOUM, Hakima ZIDANE, Yasmine TOUHAMIA, Abderrahmane AAMIRI, Mouhamed ELLILOUCHI, Bouchra RACHDI, Rachida HOUSSA	<b>682296</b>
<b>12:00-12:10</b>	Kinetic and Thermodynamic Study on Adsorption of heavy metals Co(II), Cu(II) and Zn(II) from Aqueous Solutions Using Natural Clay <b>Khadija BAZHAR</b> , Meriem FARDIOUI, Imane HOUMIA, Taoufiq GUEDIRA	<b>674133</b>
<b>12:10-12:20</b>	Le romarin de l'Oriental : vers une gouvernance durable entre participation locale et pilotage institutionnel <b>Mohammed SDOUD, Eddelani OUMHANI</b>	<b>679503</b>
<b>12:20-12:30</b>	Preliminary Evaluation through Integrated Biomarkers of Coastal Exposure: Application to Two Sentinel Sites <b>Zineb OUGHRIS</b> , Jamila GOUZOU LI, Karim SAHLA, Zineb SOUIBA, Jaouad ABOUOUALID, Mustapha AGNAOU	<b>674809</b>
<b>12:30-12:40</b>	Assessment of the impact of BaP on Mussels ( <i>Mytilus galloprovincialis</i> ): An Experimental Approach of Bioaccumulation <b>Basma EL MERNOUTI</b> , Abderrahim CHIAAR, Mostapha BENOMAR, NOUREDDIN BOUAYAD, HOUSSAM ANNAZ, Ikram CHBANI, Hassan ER-RAIOUI, Saida BOUZID, Said SIDKI, Kamal CHEBBAKI	<b>677952</b>
<b>12:40-12:50</b>	From waste to Resource: Anaerobic Biotransformation of Moroccan Phosphogypsum for Sulfur Recovery <b>Hniya EL QASSEMI</b>	<b>668033</b>
<b>12:50-13:00</b>	<b>Discussion</b>	

**Room 3: Biodiversity and Functioning of Natural Ecosystems  
(CED Salle)**

**Moderators: Prof. HARICH Nourdin, Prof. EL ADLOUNI Chakib**

Time	Title and Authors	ID
11:30-11:40	Dynamics of mycorrhization in agroforestry systems based on the <i>Guiera senegalensis</i> shrub in Sanghaïe (Commune of Niakhar) in Senegal <b>Hassna FOUNOUNE</b> , Ndeye HANE, Abdoulaye FALL, Moussa NDIENOR, Seydou SALL, Bassirou DIALLO	681528
11:40-11:50	Field study on scorpions and scorpionism in the southeast of El Jadida, Morocco <b>Khawla AMMOUCH</b> , Nihal MESMOUDI, Nouredine HAMMANI, Samir IBENMOUSSA, Abdellah MOUSTAGHFIR, Naoual OUKKACHE	677121
11:50-12:00	Caractérisation phytochimique et potentiel antibactérien et antioxydant de <i>Zygophyllum</i> sp <b>Asmaa EL FILALI</b> , Mehdi BOURAO, Youssef LAHLOU, Malika BELFAIZA, Kassem MAKROUM, Abdellah MAISSOUR	676282
12:00-12:10	Diversité phytochimique et végétale des Apocynacées endémiques du Maroc : Approches méthodologiques pour la conservation durable et l'exploitation des composés bioactifs <b>Bouchra ELBAGHOUCHE</b> , Maryem LAGNAOUI, Hiba BOUQOUROU, Hanane DOUNAS, Lahcen OUAHMANE	664187
12:10-12:20	Valorisation agroforestière des vergers d'amandier par l'association avec les légumineuses (cas de la fève) dans la région d'Azilal <b>Oussama MOUSSAOUI</b> , Hakim OUTGHOULIAST, Adnane EL YAACOUBI, Jamal CHARAFI	675210
12:20-12:30	Geospatial Analysis of Forest Fragmentation and Land Cover Transformation in the Maâmora Forest <b>Abderrahym GHOULDAN</b> , Abdellah ICHEN	678434
12:30-12:40	Evaluation of the germination of <i>Capparis spinosa</i> L. and <i>Anacyclus pyrethrum</i> var. <i>pyrethrum</i> in rural nurseries <b>Fatima HAMDAN</b> , Abdellatif KHATTABI, Nabil HANA	676194
12:40-12:50	Current Knowledge on Diatoms and Their Application in the Assessment of Surface Water Quality in Morocco <b>Amina MARHRAOUI</b> , Lhoucine BENHASSANE, Touria OUD BELLAHCEN	679509
12:50-13:00	<b>Discussion</b>	

**Lunch (13:00 - 15:00)**

15:00 - 15:45	<p style="text-align: center;"><b>PLENARY CONFERENCE 4</b> <b>Prof. Fatih ÖZOGUL</b> (Çukurova University, Turkey) « <i>Bio-protective Cultures: Natural Solutions for Food Safety and Quality Enhancement</i> »</p>
<b>Moderator: Prof. ZINEDINE Abdellah</b>	

<b>Oral sessions 4</b> <b>(Parallel Sessions)</b> <b>15:50 - 17:00</b>		
<b>Room 1: Biotechnology and Valorization of Natural Resources</b> <b>(CED Amphitheater)</b>		
<b>Moderators: Prof. BELFAIZA Malika, Prof. MAISSOUR Abdellah</b>		
Time	Title and Authors	ID
15:50-16:00	Proteomic and Computational Discovery of Antiviral Peptides from Androctonus mauritanicus Venom Targeting SARS-CoV-2 Entry <b>Reda CHAHIR</b> , alaheddine REDOUANE, Jacob GALAN, Lahoussaine ASERRAR, Hicham HBOUB, Ahmed SALIM LAHLOU, Salma CHAKIR, Hinde AASSILA, Reda BEN MRID, Najat BOUCHMAA, Reto STÖCKLIN, Rachid EL FATIMY, Naoual OUKKACHE	672948
16:00-16:10	The application of seaweed extract on faba bean plants under salinity stress and its effects on morphophysiological and biochemical parameters <b>Ghita ENNACIRI</b> , Abdelhamid ENNOURY, Ibtissam ZAMOUR, Nour EL HOUDA EL FADILI, Mohamed NHIRI, Khalid LAIRINI	675506
16:10-16:20	Sustainable Valorization of Vachellia raddiana Gum from Southern Morocco as a Bioactive Edible Coating to Improve the Postharvest Quality of Fresh Figs <b>Ilham ZERBET</b> , Loubna BENIDIRE, Mustapha FAGHIRE, Issam SADKI	675186
16:20-16:30	Eco-extraction, phytochemical analysis, and antioxidant activity evaluation of the crude extract from argan pulp (Argania spinosa L. Skeels) <b>Karim AMECHRAL</b>	674304
16:30-16:40	Biotechnological Potential of Cannabis sativa L.: In Vitro Culture Optimization and Sustainable Valorization Perspectives <b>Aicha Khazraj</b> , Younes El Goumi, Malika Fakiri	678782
16:40-16:50	Optimization of R-phycoerythrin purification from Gelidium sesquipedale and evaluation of its in vitro antioxidant potential <b>Oumaima MABCHOUR</b> , Zakaria Mahdi MOUMEN, Abdel Khalid ESSAMADI, Abdellatif RAHIM	674634
16:50-17:00	<b>Discussion</b>	
<b>Room 2: Climate Change and Natural Resource Management, and Environmental Protection and Ecosystem Management</b> <b>(Biblio Conference Salle)</b>		
<b>Moderators: Prof. ERRACHIDI Faouzi, Prof. ANAIBAR Fatima Ezzahra</b>		
Time	Title and Authors	ID
15:50-16:00	Evaluation of natural biomass as an efficient biosorbent and optimization of dye removal using response surface methodology for sustainable wastewater treatment	675762

	<b>Salma EL MEZIANI</b> , Nouredine BARKA, Alaâeddine ELHALIL	
<b>16:00-16:10</b>	Enhanced photocatalytic performance of TiO <sub>2</sub> composites for efficient wastewater remediation <b>Safiya MALLAH</b> , Hajar El HADDAJ, Nouredine BARKA, Alaâeddine ELHALIL	<b>675819</b>
<b>16:10-16:20</b>	Inverstigation of the anionic resine Amberlite IRA410 as a potentiel adsorbent of the anionic dye Mo <b>Meryam ELABBOUDI</b> , Khadija BAZHAR, JAOUAD BENSALAH, Azzouz ESSAMRI	<b>674440</b>
<b>16:20-16:30</b>	Depollution of water contaminated with organic dyes using nanomaterials synthesized from industrial waste: an experimental and computational study <b>FATIMA ZAHRA CHAJRI</b> , Fatima Zahra KARMIL, Nouhaila BENAÏSSA, meryeme JOUDI, zouhair EL JOUAD, Hamid NASRELLAH, Mohammed MONKADE, Mina BAKASSE	<b>680617</b>
<b>16:30-16:40</b>	Assessment of the Variation of Pollution Profiles of Moroccan Sewage Sludges: Seasonal variation and the potential of agronomic reuse <b>Oumaima CHERRADI</b> , Khalil EL MEJAHED, Mohamed HAFIDI, Amine EZZARIAI	<b>676474</b>
<b>16:40-16:50</b>	Hydrochemical Evaluation of Waters in Marchica Lagoon for Sustainable Environmental Risk Mitigation Strategies <b>Anas BIBOT</b> , Abdelmourhit LAÏSSAOUI, Imad KISSAMI, Mounia TAHRI, Nezha MEJJAD, Otman ABIDA	<b>669445</b>
<b>16:50-17:00</b>	<b>Discussion</b>	
<b>Coffee Break / Poster session 3 (17:00 – 17:30)</b>		
<b>Oral sessions 5</b> (Parallel Sessions) 17:30 - 19:00		
<b>Room 1: Biotechnology and Valorization of Natural Resources</b> (CED Amphitheater)		
<b>Moderators: Prof. MAÏSSOUR Abdellah, Prof. REZZOUM Noredine</b>		
<b>Time</b>	<b>Title and Authors</b>	<b>ID</b>
<b>17:30-17:40</b>	Evaluation in vitro de l'activité antifongique des extraits de Bifurcaria bifurcata contre la pourriture fongique post-récolte de la papaye <b>Youness EL JADOUMI</b> , Malika BELFAIZA, Kassem MAKROUM, Abdellah MAÏSSOUR	<b>679700</b>
<b>17:40-17:50</b>	Impact of applied foliar seaweed extracts on Cucurbita pepo L. biochemical profile <b>SAFAA ER-RQAIBI</b> , Youness EL JADOUMI, Malika BELFAIZA, Kassem MAKROUM, Abdellah MAÏSSOUR	<b>675637</b>

<b>17:50-18:00</b>	Physicochemical characterization of Citrus aurantium L. from the Béni Mellal–Khénifra region <b>Zakaria BOUZAR</b> , Hafsa BOUZAR, Walid BOUSSIF, Walid AIT YAHIA, Soufiane GHANIMI, Badreddine EL MEJHED, Hamza DERRAJI, and Wafa TEROUZI	<b>674236</b>
<b>18:00-18:10</b>	Assessing work practices and the digital transition toward sustainability in olive oil processing units: The case of Beni Mellal province, Morocco <b>Walid AIT YAHIA</b>	<b>676049</b>
<b>18:10-18:20</b>	Approches naturelles pour la conservation et l'amélioration de la qualité des fruits de terroir : cas du fruit d'arbousier (Arbutus unedo L.) <b>Hafsa BOUZAR</b>	<b>675760</b>
<b>18:20-18:30</b>	Cymbopogon citratus against Apiospora arundinis: In Vitro Assessment and Chemical Insights <b>Hajar SBAI</b> , Ilyass MAAFA, Ahmed HAJIB, Soukaina MSAIRI, Abdelhakim BOUYAHYA, Smail AMALICH, HICHAM HARHAR, Mohamed TABYAOU	<b>675206</b>
<b>18:30-18:40</b>	Study of exopolysaccharide produced by Streptomyces sp. Xma 13 and its antibacterial activities against Multidrug resistant bacteria associated with wound infections <b>SAAD ELAASSALI</b> , Khadija HILMI, Salah EDDINE AZAROUAL, Nawal MERGHOU, Mustapha BARAKATE, Mansour SOBEH	<b>670829</b>
<b>18:40-18:50</b>	Developing the Battle Against Antimicrobial Resistance in Pathogenic Bacteria: Using Drug Repurposing to Unlock the Potential of Alternative Combinational Therapies to Address Resistant Bacteria: The Case of Multidrug Resistant Strains of Staphylococcus aureus <b>Zaineb CHAGRA</b> , Wessal OUEDRHIRI, Rachid EL FATIMY, Reda Ben MRID	<b>669393</b>
<b>18:50-19:00</b>	<b>Discussion</b>	
<b>Room 2: Climate Change and Natural Resource Management, and Environmental Protection and Ecosystem Management</b> <b>(Biblio Conference Salle)</b>		
<b>Moderators: Prof. ERRACHIDI Faouzi, Prof. ANAIBAR Fatima Ezzahra</b>		
<b>Time</b>	<b>Title and Authors</b>	<b>ID</b>
<b>17:30-17:40</b>	Toward Sustainable Mint Production: Evaluation of Pesticide Use and Eco-Friendly Alternatives in the Béni Mellal Region (Morocco) <b>Walid BOUSSIF</b> , Zakaria BOUZAR, Hafsa BOUZAR, Walid AIT YAHIA, Wafa TEROUZI	<b>675196</b>
<b>17:40-17:50</b>	Analyse pharmacologique du potentiel antidiabétique des feuilles de Ziziphus jujuba (Mill.) dans un modèle de rat Wistar mâle diabétique <b>Marouane EL ARBAOUI</b> , Fatima Ezzahra EL-KHIRAOUI, Oumaima ABOUYAALA, Soukaina BOUGRINE, Wissal BAGHDAD, Noura RAHMOUNY, Moulay Laarbi OUAHIDI	<b>682973</b>

<b>17:50-18:00</b>	Preliminary Assessment of the Ecological Quality of the Moulouya and Kert River Mouths <b>Ghizlane HAMDIOUI</b> , Mustapha AKODAD, Mostafa LAYACHI, Otmane RAJI, Hanane AIT HMEID, Zakaria SADDIKI, Mimoun AALAOUL, Aboubakr LIDELT, Bouchra OUJIDI, Ali SKALLI	<b>676822</b>
<b>18:00-18:10</b>	Recovery of Vanadium as Iron Vanadate (FeVO <sub>4</sub> ) from Spent Sulfuric Acid Catalysts Using Oxalic Acid Leaching <b>Nouredine EL HASBAOUI</b> , Abdelouahab EL HADRAMI, Rachid BRAHMI	<b>679290</b>
<b>18:10-18:20</b>	Rainwater and domestic grey water reuse systems: A literature review and future perspectives <b>Omar KHARIFI</b> , Khadija MEFTAH, Ihssane HAMZAOU, Hamid ELHINANI, Aziza ABID, Salah TOUIL, Rabia FDIL, Wail EL BAZI	<b>679262</b>
<b>18:20-18:30</b>	<b>Discussion</b>	

**Day 3 – Saturday December 20, 2025**

<b>08:30 - 09:15</b>	<p><b>PLENARY CONFERENCE 5</b></p> <p><b>Prof. Mounaim Halim EL JALIL</b> (Mohammed V University, Rabat, Morocco)  <i>« Fermentations in Human Food Transitions: From Origins to Resilience »</i></p>
<b>09:15 - 10:00</b>	<p><b>PLENARY CONFERENCE 6</b></p> <p><b>Prof. Joël FLEURENCE</b> (Nantes University, France)  <i>« Seaweeds: An Original and Alternative Source of Proteins for Human Nutrition »</i></p>
<b>Moderator: Prof. ETAHIRI Samira</b>	

<p><b>Oral sessions 6</b>  <b>(Parallel Sessions)</b>  <b>10:00 - 11:00</b></p>		
<p><b>Room 1: Biotechnology and Valorization of Natural Resources</b>  <b>(CED Amphitheater)</b></p>		
<p><b>Moderators: Prof. ETAHIRI Samira, Prof. ZINEDINE Abdellah</b></p>		
Time	Title and Authors	ID
<b>10:00-10:10</b>	How Chemma Tobacco Can Trigger Thrombosis: An In Vitro Study on Human Platelet Aggregation and Plasmatic Coagulation <b>Abir CHAMI</b> , Hassane MEKHFI, Younes ZAID	<b>679688</b>
<b>10:10-10:20</b>	Pharmacophore-Based Molecular Modeling of Natural Compounds Targeting HCV NS5B <b>Wissal LIMAN</b> , Mehdi OUBAHMANE, Driss CHERQAOUI, Achraf EL ALLALI	<b>680169</b>
<b>10:20-10:30</b>	Synergistic Effects of Metallurgical Slag and Vegetal Residues on Soil fertility and Productivity of Tomato and Durum Wheat under Mediterranean Conditions <b>Farid ERROUH</b> , Abdelhamid AOUABE, Nizar EL MAZOUNI, Abdelilah MEDDICH, Salah ER-RAKI	<b>679730</b>
<b>10:30-10:40</b>	Food Knowledge, Literacy, and Nutrition Quality Among Higher Education Students in Safi, Morocco: Associations with Dietary Behavior Changes After University Entry <b>Zineb ESSOUNI</b> , Ahmed LEMHADRI, Nawal ALIOUA, Othmane ALAOUI-FDILI, Jamila HASSOUNE, Mohamed TECHTACH, Taoufiq BENALI	<b>679674</b>
<b>10:40-10:50</b>	Growth parameters and the size-weight relationship of <i>Bolinus brandaris</i> (Linnaeus, 1758) in the Fnideq coastline (Morocco) <b>Oumaima FARID</b> , Abdelilah FATHALLAH, Afaf RHARRASS, Abderrahim CHIAAR, Saida BOUZID	<b>674793</b>
<b>10:50-11:00</b>	<b>Discussion</b>	

**Room 2: Biotechnology and Valorization of Natural Resources  
(Biblio Conference Salle)**

**Moderators: Prof. LAKHDAR Fatima, Prof. ES-SBATA Ikram**

Time	Title and Authors	ID
10:00-10:10	Effect of acid protease from Lacticaseibacillus paracasei strain S1P3 on milk-clotting properties and proteolysis of milk <b>Nysrine MANNANI</b> , Abdellah ZINEDINE, Sondes MECHRI, Bassem JAOUADI	674193
10:10-10:20	Biotechnological attributes of lactic acid bacteria from a nationwide sampling: Assessment of probiotic properties and antibacterial effect <b>Meryem Benyamane</b> , Salma HAMMAL, Nouhaila BELASLA, Imane BRAHIMI, Faouzi ERRACHIDI, Chakib ELADLOUNI, Abdellah ZINEDINE	680658
10:20-10:30	Exploration of the Bioactive Potential of the seaweed Ulva lactuca and Sargassum muticum through Chromatographic Profiling and Antimicrobial Asessment <b>Imane BRAHIMI</b> , Iman MSEGED AYAM, Meryem BENYAMANE, Nouhaila BELSALA, Faouzi ERRACHIDI, Mohammed RIHANI, Abdellah ZINEDINE	679606
10:30-10:40	Isolation, Characterization and Antimicrobial Effect of Lactic Acid Bacteria from Shellfish at El Jadida Local Market <b>Mounir EL BOUJAMAAL</b> , Imane BRAHIMI, Abdellah ZINEDINE	675759
10:40-10:50	Antifungal activity and GC-MS analysis of bioactive organic extracts from red seaweeds collected from El Jadida - Morocco <b>Badr-ddine EL MOUNS</b> , Bouchra BENHNIYA, Omar ER-RAFIY, Jamal BOUHRAOUA, Selma MABROUKI, Fatima LAKHDAR, Samira ETAHIRI	679701
10:50-11:00	<b>Discussion</b>	

**Coffee Break / Poster session 4 (11:00 - 11:30)**

**Oral sessions 7  
(Parallel Sessions)  
11:30 - 13:00**

**Room 1: Biotechnology and Valorization of Natural Resources  
(CED Amphitheater)**

**Moderators: Prof. HASSOU Najwa, Prof. ZINEDINE Abdellah**

Time	Title and Authors	ID
11:30-11:40	Microbial diversity in Moroccan hypersaline coastal environments as sources of extremophiles with novel antimicrobial activities <b>Rania ESSEMANI</b> , Marianne QUEMENEUR, Anne POSTEC, Nathalie PRADEL, Nawal MERGHOUB, Mustapha BARAKATE	675379
11:40-11:50	Green technologies and sustainability Abdeslam HASSANI, Amel GHOZZI, <b>Sanaa AIT YASSINE</b>	674216

<b>11:50-12:00</b>	Integrating Bioeconomy and Energy Transition through the Valorization of Green Ammonia <b>Abdeslam HASSANI</b> , Marentes JANETH	<b>681370</b>
<b>12:00-12:10</b>	Evaluation of In Vitro, In Vivo, and Ex Vivo Antihyperglycemic Activities of Fruit–Flower Extracts: $\alpha$ -Amylase Inhibition, Diabetic Model, and Oral Glucose Tolerance Test <b>Wissal EL KARFI</b> , Moulay El Abbes FAOUZI, Abdelhakim BOUYAHYA	<b>679789</b>
<b>12:10-12:20</b>	MAAs from red alga <i>Gracilaria gracilis</i> : Antioxidant and Enzyme-Inhibitory Activities for Sustainable Applications <b>Sara AL QOH</b> , Bouchra BENHNIYA, Jamal AMINE, Omar ASSOBBHEI, Samira ETAHIRI	<b>676668</b>
<b>12:20-12:30</b>	LCOA Quantification of bioactive compounds in Moroccan <i>Rosa canina</i> L. ecotypes for potential cosmetic and medicinal <b>Amir EL BOUANANI</b> , Marouan BELGHITI, Iman MSEGUED AYAM, Faouzi ERRACHIDI	<b>679924</b>
<b>12:30-12:40</b>	Comparative Study of Five Almond ( <i>Prunus dulcis</i> Mill.) Varieties: Pomological, Biochemical Characterization and Oil Yield Evaluation <b>Salma LAKHOUIL</b> , Faouzi ERRACHIDI	<b>679008</b>
<b>12:40-12:50</b>	Phytochemical composition and antioxidant activity of extracts from cladodes and fruit peels of <i>Opuntia ficus indica</i> sampled in El Jadida area <b>Nouhaila BELASLA</b> , Imane BRAHIMI, Meryem BENYAMANE, Faouzi ERRACHIDI, Chakib ELADLOUNI, Abdellah ZINEDINE	<b>676415</b>
<b>12:50-13:00</b>	<b>Discussion</b>	
<b>Room 2: Biotechnology and Valorization of Natural Resources (Biblio Conference Salle)</b>		
<b>Moderators: Prof. LAKHDAR Fatima, Prof. ES-SBATA Ikram</b>		
<b>Time</b>	<b>Title and Authors</b>	<b>ID</b>
<b>11:30-11:40</b>	Profilage phytochimique comparatif et évaluation de l'efficacité antibactérienne et antifongique des extraits hydroéthanoliques de <i>Stevia rebaudiana</i> Bertoni et <i>Marrubium vulgare</i> L. <b>Taha OURIAGLI</b> , Abdellatif AMNAY, Sidi M. RAOUI, Faouzi ERRACHIDI, Fouad O. CHAHDI, Bahia BENNANI, Youssef K. RODI, Rachida CHABIR	<b>689095</b>
<b>11:40-11:50</b>	<i>Opuntia Stricta</i> une source potentiel de composé bioactive: optimisation d'extraction des Polyphénols et l'évaluation de leurs activités biologiques <b>Abdellatif AMNAY</b> , Taha OURIAGLI, Sidi M. RAOUI, Faouzi ERRACHIDI, Fouad O. CHAHDI, Bahia BENNANI, Youssef K. RODI, Rachida CHABIR	<b>689063</b>
<b>11:50-12:00</b>	Quality and Safety Evaluation of Samet, a Traditional Natural Grape Syrup <b>Kaoutar EL ACHOURI</b>	<b>668179</b>
<b>12:00-12:10</b>	Characterization of pastoral resources and their contribution to dairy camel nutrition in the Laâyoune–Sakia El Hamra region <b>Aziza ZEGHMANE</b> , Mouna SIBAOUEIH, Hiba TAHA, Ihssane	<b>679710</b>

	MNAOUER, Badaoui BOUABID, Bouchra EL AMIRI	
<b>12:10-12:20</b>	Integrating seaweed biodiversity and biorefinery processes for renewable energy and biofertilizer production <b>Majdouline AKKARI</b> , Aziz BOUTAFDA, Hicham EL ARROUSSI, Yedir OUHDOUCH, Lamfeddal KOUISNI, Mohamed HAFIDI, Adil MAZAR, Amine EZZARIAI	<b>682471</b>
<b>12:20-12:30</b>	The antibacterial effect of Artemisia Huguettii caball essential oil against Staphylococcus aureus and Enterococcus <b>Malika AIT OUADDI</b> , Meryem EL GARINI, Oualid EL MEJJATI, Ikhllass EL BERBRI, Imane CHOUKRI, Majid MOUNIR, Aouatif BENALI, Mohammed SOBH	<b>679746</b>
<b>12:30-12:40</b>	The effect of Azilal provenance on the yields and chemical composition of essential oils from Lavandula dentata, Salvia officinalis, and Artemisia herba-alba <b>Oumaima ABOUDEYAB</b> , Abdellatif KHATTABI, Hafida EL HAOUZALI, Badr SATRANI	<b>676196</b>
<b>12:40-12:50</b>	<b>Discussion</b>	
<b>Room 3: Biotechnology and Valorization of Natural Resources (CED Salle)</b>		
<b>Moderators: Prof. WIELGOSZ-COLLIN Gaëtane, Prof. RIHANI Mohammed</b>		
<b>Time</b>	<b>Title and Authors</b>	<b>ID</b>
<b>11:30-11:40</b>	Moroccan Consumers Perception of terroir Products: The Case of Quince (Cydonia oblonga) <b>Barae ABAIDA</b> , Nadia BOUTALEB	<b>674779</b>
<b>11:40-11:50</b>	Ultrasound treatment of camel milk: effects on physicochemical, functional, and microbiological properties <b>Fadwa EL KINDOUSSY</b> , Oumayma BOUKRIA, Noamane TAARJI, Poliana MENDES DE SOUZA	<b>679080</b>
<b>11:50-12:00</b>	Theoretical Investigation of the [3+2] Cycloaddition between N-(Prop-2-yn-1-yl) acrylamide and a Quinoline-Azide Derivative: Regio- and Chemoselectivity, Catalytic Effects, and In Silico Antimalarial Evaluation <b>Kenzy CHARLES</b> , M. ABDOUL-HAKIM, M. SALAH, H. GARMES	<b>689420</b>
<b>12:00-12:10</b>	Évaluation du potentiel biostimulant et phytotoxique d'une huile essentielle sur la tomate <b>Nirmine EZZOUINE</b> , Abdellah MAISSOUR, Kassem MAKROUM, Malika BELFAIZA	<b>679767</b>
<b>12:10-12:20</b>	Integrated Molecular Docking and Dynamics Analysis of Benzoxazole Derivatives as Potential HIV-1 Protease Inhibitors <b>Soukaina ZAHM</b> , Said JEBBARI, Assiya ATIF, Nabil NOR, Hatim SOUFI, Houssine AIT SIR, Mohamed EL HOUSSE, Habib EL ALAOUI EL ABDELLAOUI, Mohammed SALAH	<b>689422</b>
<b>12:20-12:30</b>	Designing highly efficient heterocyclic inhibitors for SARS- CoV-2 3C-like proteinase: a comprehensive in silico study <b>Nabil NOR</b> , Soukaina ZAHM, Habib EL ALAOUI EL ABDALLAOUI, Said KERRAJ, Naima NAJI, Noureddine MAZOIR, Najia KOMIHA,	<b>689425</b>

	Khadija MARAKCHI, Mohammed SALAH	
<b>12:30-12:40</b>	Effect of Ultrasound Processing on Mineral Distribution in Fermented Camel, Goat and Cow Milks <b>Oumayma BOUKRIA</b> , Fadwa EL KINDOUSSY, Dadaie DAIHI, Poliana MENDES DE SOUZA	<b>679386</b>
<b>12:40-12:50</b>	High-pressure extraction of phenolic compounds and flavonoids from tomato residues using Parr reactor <b>Nidal ZRIKAM</b> , Amine EZZARIAI, Youssef EL KHARRASSI, Abdelaziz NILAHYANE, Loubna EL FELS, Yedir OUHDOUCH, Lamfeddal KOUISNI, Mohamed HAFIDI, Adil MAZAR	<b>676231</b>
<b>12:50-13:00</b>	<b>Discussion</b>	
<b>Closing Ceremony 13:00 - 14:00</b>		
<b>Honoring Keynote Speakers Best Oral Presentation and Best Poster Award</b>		
<b>Coffee Break (14:00 - 14:30)</b>		
<b>Delivery of participation certificates</b>		

## Poster sessions

**Moderators: Prof. LAKHDAR Fatima, Prof. ES-SBATA Ikram, Prof. HASSOU Najwa, Prof. AIT MESSAAD Said**

### Session 1

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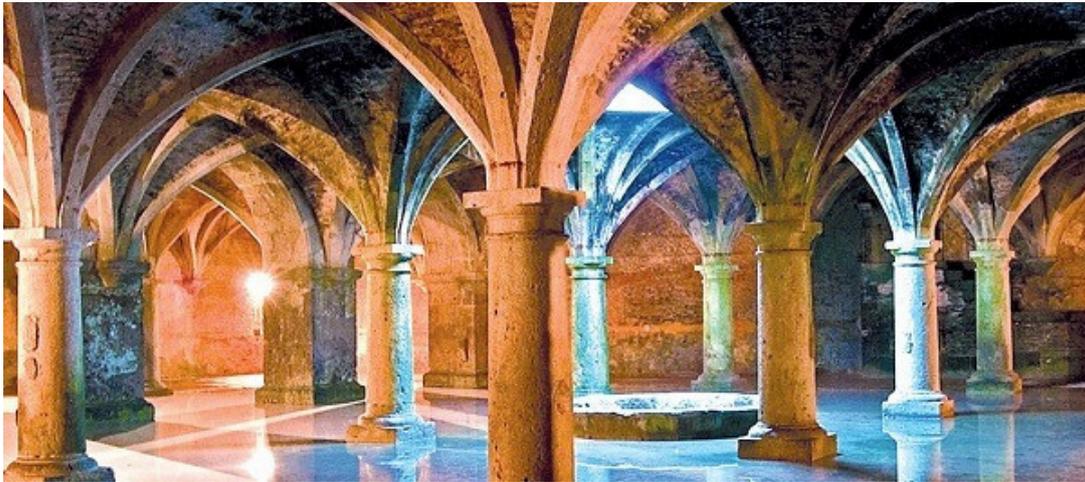
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