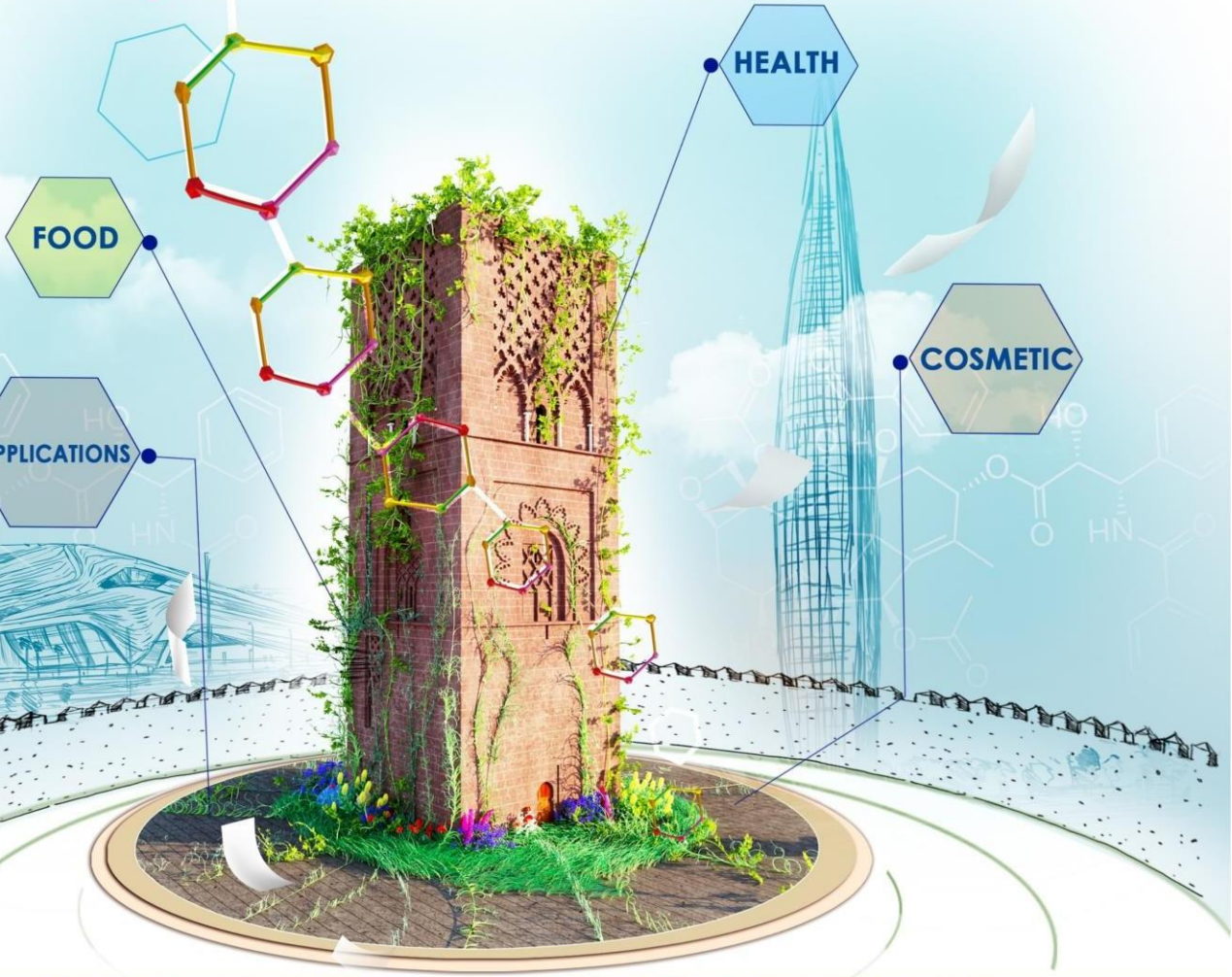


تحت الرعاية السامية لصاحب الجلالة الملك محمد السادس نصره الله  
 Under the High Patronage of His Majesty King Mohammed VI, May God Assist Him



# 4<sup>th</sup> INTERNATIONAL CONGRESS ON NATURAL PRODUCTS AND SUSTAINABLE DEVELOPMENT



May 29 - 31<sup>st</sup>, 2025 at ICESCO Headquarter Avenue des Far, Hay Riad, Rabat, Kingdom of Morocco




# SCIENTIFIC PROGRAM



## SCIENTIFIC PROGRAM

Thursday MAY 29 <sup>th</sup> , 2025	
08h00 – 09h00	<b>PARTICIPANTS WELCOMING AND REGISTRATION</b>
09h00 - 10h30	<p><b>Opening Ceremony</b>  <b>H.E Dr. Salim M. AL MALIK</b>, Director General of ICESCO  <b>H.E Mr. AZZEDINE EL MIDAOU</b>, Minister of Higher Education, Scientific Research and Innovation-Morocco  <b>H.E Ms. Leila BENALI</b>, Minister of Energy Transition and Sustainable Development-Morocco  <b>Prof. Dr Mohamed RHACHI</b>, President of Mohammed V University in Rabat  <b>Prof. Dr Mohammed REGRAGUI</b>, Dean of Faculty of Science, Rabat  <b>Prof. Dr Hanae El MONFALOUTI</b>, Congress Co-Chair &amp; Vice-President, Responsible for Sustainable Development-Averroes Foundation</p>
10h30-11h00	<b>TRIBUTE &amp; RECOGNITION AWARD</b>
11h00-12h00 Location : Khayma - ICESCO	<p><b>Inaugural Conference:</b>  <b>Prof. Dr Michael HEINRICH</b>, Honorary Professor at the Universities: University of Kent United Kingdom – UK, Yushan Fellow, China Medical University, Taichung, Taiwan, President Society for Medicinal Plant and Natural Product Research  <i><b>“GLOBALIZED HERBAL MEDICINES/BOTANICALS - SUSTAINABLE PRACTICES IN CHANGING ENVIRONMENTS”</b></i></p> <p><b>Moderators:</b>  <b>Prof. Dr Dalila BOUSTA</b>, Director of the National Agency for Medicinal and Aromatic Plants (ANPMA)  <b>Prof. Dr. Anass DOUKKALI</b>, Former Minister of Health, President of e-Health Innovation Center Morocco</p>
12h00-12h30	<b>Welcome Cocktail</b>
<p><b>SESSION: "Bridging Ethnobotany, Phytochemistry, and AI in Natural Products Research"</b></p> <p><b>Moderators / Reporters:</b>  <b>B. RHOURRI, S. SKALLI, H. TABYAOU</b></p>	
14h30-16h30 Location: Khayma ICESCO	<p><b>Prof. Dr Olivier Potterat</b>, Division of Pharmaceutical Biology, University of Basel , Switzerland <i><b>“Profiling approaches for the discovery of bioactive natural Products”</b></i></p> <p><b>Prof. Dr Gabriele Costantino</b>, Medicinal Chemistry at the University of Parma, Italy <i><b>“Bridging Traditional Knowledge and Modern Phytotherapy: The Tetradenia riparian's extract case”</b></i></p>

<p>14h30-16h30                  Location: Khayma                  ICESCO</p>	<p><b>Prof. Jean-Luc Wolfender</b>, Institute of Pharmaceutical Sciences of Western Switzerland, University of Geneva (Switzerland) "<b>Chemodiversity in the Digital Age: How Metabolomics and AI Are Transforming Pharmacognosy</b>"</p> <p><b>Prof. Dr. Catia CONTADO</b>, Department of Chemical, Pharmaceutical and Agricultural Sciences – DOCPAS, Dept. International Mobility deputy Italy "<b>Field Flow Fractionation: a family of separation techniques at the service of health, food and cosmetic applications</b>"</p>
<p>16h30-17h00</p>	<p style="text-align: center;"><b>COFFEE BREAK</b></p>
<p>17h00-19h00</p>	<p>Information session on international scholarships and opportunities for collaborative research projects                  Moderator : Pr. L. SBABOU</p>
<p>17h00-17h45</p>	<p style="text-align: center;"><b>Session 1 :</b>                  Fulbright Programs  <b>Speakers:</b> Dr. Rebecca GEFNER / Dr. Meryem HAMMAM,                  (Moroccan-American Commission For Educational &amp; Cultural Exchange (MACECE)).</p>
<p>17h45-18h30</p>	<p style="text-align: center;"><b>Session 2:</b>                  Erasmus+, Horizon Europe, PRIMA, Cost Action, Horizon 2020...  <b>Speaker:</b> Pr. Nouredine EL AOUAD                  (National Contact Point Cluster "Health" for Horizon Europe Program in Morocco)</p>
<p>18h30-19h00</p>	<p style="text-align: center;"><b>Session 3:</b>                  BioInnovation Africa (BIA) and the "BIA Academy" GIZ  <b>Speakers:</b> Dr Celina ROCQUET-BASSIRI / Dr. Daniele Bertilleand /                  Dr. Suhel Al Janabi</p>
<p>17h00-19h00                   Location: ICESCO                  TADAMOUN</p>	<p style="text-align: center;"><b>ROUND TABLE 1 :</b>  <b>"AI for a Sustainable Development: Strategies, Challenges, and Impact"</b></p> <p style="text-align: center;"> <b>Panel 1: Institutional Opening – Policy Efforts and Strategic Visions</b></p> <p style="text-align: center;"><i>Moderator: Prof. Dr. O. Halli, Advisor to the Director General of ICESCO</i></p> <p><b>Speakers:</b></p> <ul style="list-style-type: none"> <li>• <b>H.E Prof. Dr. Azzedine El Midaoui</b>, Minister of Higher Education, Scientific Research and Innovation, Morocco</li> <li>• <b>H.E Prof. Dr. Amal El Fallah Seghrouchni</b>, Minister Delegate to the Head of Government in charge of Digital Transition and Administrative Reform, Morocco</li> <li>• <b>Prof. Dr. Mohamed Rhachi</b>, President of Mohammed V University in</li> <li>• <b>Prof. Dr. Mohamed Regragui</b>, Dean of the Faculty of Sciences in Rabat</li> <li>• <b>Dr. Ashraf Abelaziz Mansour Afifi</b>, Secretary-General of the Arab Union for Sustainable Development and the Environment</li> <li>• <b>Prof. Dr. Mohammed Khamis Al-Othmani</b>, Director of the Sharjah Academy for Police Sciences – UAE</li> <li>• <b>Prof. Badr Eddine Kartah</b>, President of the Averroes Foundation</li> <li>• <b>Dr. Alserihi Mohamed Eid</b>, President of the Arab Council for Creativity and Innovation – Saudi Arabia</li> </ul>

 **Panel 2: Expert Insights – AI Applications and Strategic Challenges**

*Moderator: Prof. Dr. A. Bellaouchou, Former Member of the Higher Council for Education, Training and Scientific Research*

**Speakers:**

- **Colonel Prof. Dr. Jamal Ahmed Al Shehhi**, Dean, Sharjah Academy for Police Sciences – UAE
- **Prof. Dr. Capt. Mohamed Kahlan Salim Al Barwani**, MKB International Aviation Consultancy and Training
- **Dr. Ashraf Omran**, President, Arab Council for Food and Water Security
- **Dr. Ahmed Hassan Essaid Hamad**, Expert in International Cooperation and Diplomatic Relations
- **Prof. Dr. Mohamed Fawzi Ibrahim**, Head of Program and Curriculum Development, Sharjah Academy – UAE
- **Prof. Mustapha El Zayani**, Abdelmalek Essaâdi University, AI Expert – Morocco
- **Dr. Ali bin Abdullah Al-Otaibi**, CEO, Arak Group for Development – Saudi Arabia
- **Dr. Mhamed Al Radi**, President, Family Affection Association
- **Dr. Ameer Ahmad Al Jeridi**, Secretary-General, Arab Organization for the Family and Sustainable Development
- **Dr. Yahya Mohammed Al Kahtani**, University of Jeddah – Saudi Arabia

17h00-19h00

Location: ICESCO

Day 2 - Friday, MAY 30 <sup>th</sup> , 2025	
<p><b>SESSION: Innovative and Sustainable Approaches in Waste Valorization, Bioanalysis, and Precision Health</b></p> <p><b>Moderators / Reporters :</b>                      I. BOURAISS, A. BOUYAHYA, Y. EL KHARRASSI</p> <p>Location: Khayma - ICESCO</p>	
8h30-11h00	<p><b>Prof. Dr. Ugo D'Amora</b>, <i>National Research Council (CNR), Italy</i>  <i>"From Waste to a New Life: Naturally Derived Biomaterials and Compounds for Healthcare"</i></p> <p><b>Prof Ong Hwai Chyuan</b>, <i>School of Engineering, Sunway University</i>  <i>"Developing Sustainable Medical Waste Solutions toward Environmental Sustainability"</i></p> <p><b>Prof. Zineb Rchiad</b>, <i>Head Scientist, Lead, Biosciences CoreLab, Mohamed VI Polytechnic University (UM6P), "The Role of Genomics Core Laboratories in Advancing Research, National Sovereignty, and Precision Medicine"</i></p> <p><b>Prof. Dr. ASAAD Khalid</b>, <i>Jazan University Saudi Arabia "Integrated In Vitro, In Vivo, and In Silico Strategies for Enzyme-Inhibiting Drug Discovery</i></p> <p><b>Prof. Dr. Long Chiau Ming</b>, <i>Department of Biomedical Sciences Malaysia "AI Innovation in Drug Discovery and Clinical Research"</i></p>
11h00-11h30	COFFEE BREAK
<p><b>SESSION: Natural Products and Advanced Imaging for Anti-Aging and Cardiovascular Therapies</b></p> <p><b>Moderators / Reporters :</b>                      K. TAGHZOUTI, O. ABBOUSSI, S. BENIAICH</p> <p>Location: Khayma - ICESCO</p>	
11h30-13h00	<p><b>Prof. Dr. Chahrazade EL AMRI</b>, <i>Paris-Seine Institute of Biology, Development, Adaptation and Aging Laboratory (Dev2A). Sorbonne University–CNRS</i>  <i>"Natural Products as a Source for Developing Anti-Aging and Senotherapeutic Agents"</i></p> <p><b>Prof. Dr Abdelouahed KHALIL</b>, <i>Faculty of Medicine and Health Sciences, Université de Sherbrooke, Canada. « Role of polyphenols in the regulation of arterial inflammation associated with atherosclerosis: contribution of positron emission tomography (PET) imaging.».</i></p> <p><b>Prof. Dr. Boutayna RHOURLI</b>, <i>Faculty of Pharmacy, University of Bordeaux, France &amp; Laboratory of Mass Spectrometry Imaging, University of Montreal, Canada "Maldi Imaging from invention to recent applications: decades of revolutionary technology"</i></p> <p><b>Prof. Dr. Ganesh HALADE</b>, <i>University of South Florida, USA "Regulatory Affairs In Drugs, Dietary Supplements, And Medical Devices"</i></p>

<p><b>SESSION: Natural Products in Food Formulation, Safety, and Sustainability:                  Pathways to Improved Nutrition and Quality</b></p> <p><b>Moderators / Reporters:</b></p> <p><b>H. ABDELMOUMEN, L. MEDRAOUI, S. GHARBY, M. MOUNIR.</b></p> <p>Location: Khayma - ICESCO</p>	
14h30-16h30	<p><b>Professor Ts Dr Goh Bey Hing</b>, <i>Academy Sciences Malaysia.</i>  <i>“Food Formulation Innovations for Enhanced Health via Bioactive Compound(s)”</i></p> <p><b>Prof. Dr. Mohamed A. EL-ESAWI</b>, <i>Dean of College of Medical and Health Sciences, Ahlia University, Manama, Bahrain</i> <i>“Synergistic Application of Proline and Putrescine Enhances Postharvest Pear Fruit Resistance against Blue Mold and Improves Fruit Nutritional Quality”</i></p> <p><b>Prof. Dr Ahmed ADLOUNI</b>, <i>University Hassan II Casablanca, Morocco</i> <i>“The Importance of Natural Products in Nutrition and Health”</i></p> <p><b>Prof. Dr Anas KETTANI</b>, <i>University Hassan II Casablanca, Morocco</i> <i>“How to Reconcile Food Safety in Morocco with the HACCP Approach and Law 28.07?”</i></p> <p><b>Prof. Dr Mounir Hassani ZERROUK</b>, <i>Research team Biotechnology and bioengineering of biomolecules, Abdelmalek Essaâdi University</i> <i>“Towards a Sustainable Food Industry: Biodegradable Films, Essential Oils, and Innovative Packaging”</i></p> <p><b>Dr ALIBI Sana</b>, <i>Gafsa; University of Gafsa,</i> <i>“The use of essential oils against multi-drug resistant bacteria: A double-edged sword</i></p>
<p><b>SESSION: Natural Resources and Responsible Formulation for a Sustainable                  Cosmetic Industry</b></p> <p><b>Moderators / Reporters :</b></p> <p><b>K. TAHA, N. TAARJI, I. CHEFCHAOUNI</b></p> <p>Location: Tadamoun- ICESCO</p>	
14h30-16h30	<p><b>Dr Celina ROCQUET-BASSIRI</b>, <i>International Federation Afrique &amp; Beauty,</i>  <i>“Indoor farming in the food and beauty sectors : challenges, opportunities and perspective, based on an industrial-proven example”</i></p> <p><b>Dr Imen JERBI</b>, <i>Pharm D and entrepreneur, skin researcher, University lecturer and founder of ILMA Consulting</i> <i>“Skin Tone Science And Ethnobotany To Achieve Ethical Sustainable Beauty And Seize Huge Economic Opportunitie”</i></p> <p><b>Dr Olivia PAUL</b>, <i>Founder of Brownskin Beauty.</i> <i>“The Treasures of Africa: Between Heritage and Scientific Formulation</i></p> <p><b>Prof. Dr. Mahery ANDRIAMANANTENA</b>, <i>Fouder of Colorophile, France</i> <i>“Bio sourced blue oil, a promising ingredient for cosmetics industry”</i></p>
16h30-17h00	<p>Coffee Break</p>

<p style="text-align: center;"><b>17h00-18h30</b></p> <p>Location: Tadamoun-ICESCO</p>	<p style="text-align: center;"><b>ROUND TABLE 2 :</b></p> <p style="text-align: center;"><b>“Opportunities to Enhance the Implementation of the Nagoya Protocol in the Context of the Post-2020 Global Biodiversity Framework (GBF)”.</b></p> <p><b>Moderator:</b></p> <ul style="list-style-type: none"> <li>• <b>Prof. Dr. Zoubida Charrouf</b>, University Mohammed V in Rabat, AIB</li> </ul> <p><b>Speakers:</b></p> <ul style="list-style-type: none"> <li>• <b>Mustapha Madbouhi &amp; Saida El Jai</b>, Ministry of Sustainable Development, Morocco</li> <li>• <b>Dr. Ahmed Birouk</b>, IAV Hassan II, Morocco</li> <li>• <b>Celina Rocquet</b>, Consultant in Sustainability and Innovation, FIAB</li> <li>• <b>Dr. Ali Benryane</b>, International Expert in Biodiversity Governance, SDI Global</li> <li>• <b>Amal Nadim</b>, United Nations Development Programme (UNDP)</li> <li>• <b>Dr. Imen Jerbi</b>, PharmD, Entrepreneur &amp; Skin Researcher</li> <li>• <b>Olivia Paul</b>, Founder of Brownskin Beauty</li> <li>• <b>Representatives of Moroccan Cooperatives</b>, Raw Material Suppliers</li> </ul> <p><b>Rapporteurs:</b></p> <ul style="list-style-type: none"> <li>• <b>L. A. Ouzzaouit &amp; N. K. Sebbar</b>, Averroes Foundation</li> </ul>
<p style="text-align: center;"><b>20h00 – 22h00</b></p>	<p style="text-align: center;"><b>Gala Dinner (Ticket/ Invitation)</b></p> <p style="text-align: center;">Dress Code: Business -Casual</p>

<b>Saturday, MAY 31<sup>th</sup>, 2025</b>	
<p style="text-align: center;"><b>8h30-10h30</b></p>	<p style="text-align: center;">Parallel Sessions: Oral (I - X) and Poster Presentations</p>
<p style="text-align: center;"><b>10h30-11h00</b></p>	<p style="text-align: center;">Coffee Break &amp; Poster Session</p>
<p style="text-align: center;"><b>11h00-12h30</b></p>	<p style="text-align: center;">Parallel Sessions: Oral (I - X) and Poster Presentations</p>
<p style="text-align: center;"><b>12h30-13h30</b></p>	<p style="text-align: center;"><b>Young Researcher Award Ceremony</b></p> <p style="text-align: center;"><b>Closing of the 4th International Congress “SNDD 2025”</b></p> <p style="text-align: center;"><b>Moderator: Prof. Dr Badr Eddine KARTAH</b>, Congress Chair&amp; President of Averroes Foundation</p>
<p style="text-align: center;"><b>15h00-18h00</b></p>	<p style="text-align: center;"><b>WORKSHOPS &amp; TRAININGS</b></p> <p><b>Workshop 1:</b> Formulation of Cosmetic Products, <b>Moderate by Dr. Safaa BOUNIMI</b> (UIZ, Founder JanaDan Biotech) / <b>Dr. Fatima BOUAZZA</b> (UM5R, Founder of Fleur d’Aoes Company)</p> <p><b>Workshop 2:</b> Quality Control and Analytical Method Validation for Pharmaceutical Products, <b>Moderate by Prof. Rachid Slimani / Prof. Imane El Ouahabi</b> (UH2C)</p> <p><b>Workshop 3:</b> Visualizing Molecule-Target Interactions : Molecular Docking for Public Health and Innovative Therapeutic Strategies, <b>Moderate by Dr. Raiss Nouredine &amp; Dr. Annan Azzeddine</b> (UM5R)</p> <p><b>Workshop 4:</b> Advanced Molecular Docking with AutoDock Vina, <b>Moderate by Dr. HAKMI &amp; Dr KARTTI</b> (Bioinformatics Unit, CM6RI)</p> <p><b>Workshop 5:</b> Food Hazard Analysis: Understanding HACCP <b>Moderate by Prof. Amale BOUTAKIOUT</b> (UM5R)</p> <p><b>Workshop 6:</b> Digital Language Learning: Soft Skills, Wellbeing, and Community Development, <b>Moderate by Michael BAYYOUK</b> (Wasta).</p>

## Parallel Sessions: Oral and Poster Presentations



FSR : Avenue Ibn Battouta, B.P.  
1014, Agdal - Rabat, Maroc

### Day 3 - Saturday, MAY 31st, 2025

**Session 1:** *Natural Bioactives and Phytotherapeutics: From Plant Characterization to Biomedical Applications.*

**Session II:** *Medicinal Plants, Ethnobotany, and Biotechnological Valorization: Towards Sustainable Therapeutic and Agricultural Innovations.*

**Session III:** *Food Quality, Safety, and Sustainable Valorization: From Functional Ingredients to Environmental Health.*

**Session IV:** *Natural Bioresources and Microbial Biotechnologies: From Phytochemicals to Therapeutic and Food Applications.*

**Session V:** *Heterocycles and Natural Products in Modern Bioorganic Chemistry: From Synthetic Innovation to Therapeutic Discovery.*

**Session VI:** *Innovations and Bioactivities of Natural Products: From Plant Extracts to Sustainable Applications*

**Session VII:** *Integrative Approaches in Agricultural Biotechnology and Antimicrobial Discovery.*

**Session VIII:** *Bioactive Natural Compounds: From Phytochemistry to Therapeutic Applications in Chronic Diseases.*

**Session IX:** *Integrative Approaches to the Development of Bioactive Heterocycles and Natural Products: Green Synthesis and Therapeutic Applications.*

**Session X:** *From Waste to Worth: Eco-Friendly Valorization of Plant-Based By-Products and Local Biodiversity*

	<p style="text-align: center;"><b>Session1: Natural Bioactives and Phytotherapeutics: From Plant Characterization to Biomedical Applications</b></p> <p style="text-align: center;"><b>Location: FSR</b></p> <p style="text-align: center;"><b>Moderators / Reporters : Pr. P. A. BOUYAHYA, Pr. S. BAKRIM, Pr. T. BENALI</b></p>
<p><b>8h30 – 10h30</b></p>	<p><b>OC.1.</b> Development of Starch-Based Hydrogels for Cosmetic Applications. <b>Afaf MOUFADDEL</b> (Mohammed V University, Rabat-Morocco).</p> <p><b>OC.2.</b> Cardioprotective effect of Chlorophyllin and ascorbic acid in Barium chloride-induced-oxidative stress in a mouse model. <b>Basma ES-SAI</b> (Hassan I University, Settat - Morocco)</p> <p><b>OC.3.</b> A new insight into Moroccan pennyroyal mint (<i>Mentha pulegium</i>): impact of its geographical origin on chemical profile, and bioactivity. <b>Chaimae EL KOURCHI</b> (Mohammed V University, Rabat-Morocco).</p> <p><b>OC.4.</b> Bioactive Compounds and Biological Activity of Methanolic Extracts of <i>Ziziphus Lotus</i>. <b>Abderrahmane FARAGI</b> (Hassan I University, Settat-Morocco).</p> <p><b>OC.5.</b> Investigating the Bioactive Compounds and Therapeutic Potential of <i>Syzygium aromaticum</i>. <b>Hajar BOUGHROUD</b> (Hassan II University, Casablanca -Morocco).</p> <p><b>OC.6.</b> Exploring the Biological Activity of <i>Cymbopogon citratus</i> Essential Oil Using <i>In Vitro</i> and Bioinformatic Approaches. <b>Hamza ELHRECH</b> (Mohammed V University, Rabat-Morocco).</p> <p><b>OC.7.</b> Seasonal dynamics and alginates properties of <i>Ericaria selaginoides</i> (Phaeophyceae): Toward sustainable valorization. <b>Khaoula KHAYA</b> (Chouaib Doukkali University -Morocco).</p>
	<p style="text-align: center;"><b>Session II: Medicinal Plants, Ethnobotany, and Biotechnological Valorization: Towards Sustainable Therapeutic and Agricultural Innovations</b></p> <p style="text-align: center;"><b>Location: FSR</b></p> <p style="text-align: center;"><b>Moderators / Reporters : Pr. L. MEDRAOUI, Pr. S. SKALLI, Pr. Z. TRIQUI</b></p>
<p><b>8h30 – 10h30</b></p>	<p><b>OC.8.</b> Ethnopharmacological Insights into Medicinal Plants Used for Wound Treatment in the Fez-Meknes Region, Morocco. <b>Anouar EL GHAZAL</b> (Sidi Mohamed Ben Abdellah University, Fez- Morocco)</p> <p><b>OC.9.</b> Evaluation of Bioactive Compounds from Halophytic Plant Extracts as a Strategy to Enhance Wheat Tolerance to Abiotic Stresses. <b>Hanae H'DAIDANE</b> (Abdelmalik Essaadi University - Morocco)</p> <p><b>OC.10.</b> Phytochemical Screening and Evaluation of Antimicrobial Activity of <i>Adenocarpus bacquei</i> Batt. &amp; Pit Extracts. <b>Hanane AZALMAD</b> (Mohammed V University, Rabat-Morocco).</p>

- OC.11.** Effect of Essential Oil of *Tetraclinis articulata* on the Growth and Defense Stimulation on Tomato Against Verticillium Wilt. **Imane ES-SAHM** (Chouaib Doukkali University, EL Jadida, Morocco)
- OC.12.** Antibacterial and Antibiofilm Potentials of Pure and Nanoemulsified Endemic Moroccan *Thymus atlanticus* Essential Oil for Endodontic Use. **Jihad DIOUCHI** (International University of Rabat, Morocco)
- OC.13.** Exploring the Role of Moroccan Medicinal Plants in Cancer Therapy: An Ethnobotanical Overview. **Kawtar BENELFAKIR** (Hassan I University, Settat- Morocco)
- OC.14.** DNA Barcoding of Fabaceae in Maamora Forest Morocco: Overcoming Morphological Identification Limitations. **Kawtar LHAYANI** (Mohammed V University, Rabat-Morocco).
- OC.15.** Antifungal Evaluation and Molecular Docking Studies of Essential Oils as Potential Candidates for Fungal Inhibition of Pathogen Involved in Olive Leaf Diseases. **Khaoula CHATTAT** (Chouaib Doukkali University, EL Jadida, Morocco).
- OC.16.** Anti-cancer medicinal plants used among by cancer patients undergoing chemotherapy **Aichetou BOUH** (Mohammed V University, Rabat-Morocco).
- OC.17.** Biorefinery-Based Recovery of Mannitol and Alginate from the Invasive Brown Seaweed *Sargassum muticum*. **Khansae KAMAL** (Chouaib Doukkali University, EL Jadida, Morocco).

8h30 – 10h30

***Session III: Food Quality, Safety, and Sustainable Valorization: From Functional Ingredients to Environmental Health***

*Location: FSR*

***Moderators / Reporters : Pr. H. ABDELMOUMEN, Pr. A. BOUTAKIOUT, Pr. S. GHARBY***

- OC.18.** Food Adulteration and Its Impact on Nutritional Quality and Health: A Focus on Morocco. **Knidi MANAR** (University Ibn Tofail Kenitra, Morocco)
- OC.19.** Optimization of Traditional Drying Techniques: Enhance Microbiological Safety and Reduce Contamination Risks in Dried Fruits. **Kaoutar QALA** (Mohammed V University, Rabat-Morocco).
- OC.20.** Cocoa Bean Shells as a Source of Functional Ingredients. **Vincenzo DISCA** (Università del Piemonte Orientale, Italy)
- OC.21.** Evaluation of Biopreservation and Fermentative Performance of Bread by a Selected Starter Using an Online Monitoring Device: Panigraph. **Khadija ATFAOUI** (IBN Tofail University, Kenitra, Morocco)

8h30 – 10h30	<p><b>OC.22.</b> Evaluation of the Antioxidant Properties of Six Medicinal Plant Essential Oils for Food Preservation. <b>Nouhaila CHAIB</b> (Mohammed V University, Rabat-Morocco).</p> <p><b>OC.23.</b> <i>Phytochemical Characterization, Antioxidant Potential, and Antihyperlipidemic Activities of the Endemic Moroccan Plant <i>Teucrium takoumitense</i>.</i> <b>Otman EL-GUOURRAMI</b> (Mohammed V University, Rabat-Morocco).</p> <p><b>OC.24.</b> Perceptions and Practices of Moroccan Cereal Farmers Regarding Rodent Infestation and Control. <b>Meryem ASSIDI</b> (Mohammed V University, Rabat-Morocco).</p>
	<p><b>Session IV: Natural Bioresources and Microbial Biotechnologies: From Phytocompounds to Therapeutic and Food Applications</b></p> <p><i>Location: FSR</i></p> <p><b>Moderators / Reporters : Pr. I. BOURAI, Pr. A. BALAHBIB, Pr. N. EL OMARI</b></p>
	<p><b>OC.25.</b> Comparative study of the phytochemical profile, antioxidant and cytotoxicity activities of different co-product extracts of <i>Cannabis sativa</i> L. leaves. <b>Taha BALAFREJ</b> (Mohammed V University, Rabat-Morocco).</p> <p><b>OC.26.</b> Optimizing Extraction Methods for Meska Horra Essential Oil from <i>Pistacia lentiscus</i>: A Comparative Analysis from Eastern Morocco. <b>Abdessamad BERAICH</b> (Mohamed First University - Morocco).</p> <p><b>OC.27.</b> Evaluation of the oxalocalcic litholytic activity of <i>Urtica dioica</i>.L extract. <b>Soukaina IDRISSE AZZOUZI</b> (Mohammed V University, Rabat-Morocco).</p> <p><b>OC.28.</b> Optimization and Characterization of the Antifungal Activity of Probiotic Lactic Acid Bacteria to Enhance Food Safety in Fermented Dairy Products. <b>Tarik LAKHLIFI</b> (Moulay Ismail University -Morocco).</p> <p><b>OC.29.</b> Phenolic Composition and Biological Activity of Different <i>Persea americana</i> Varieties. <b>Chaimae NASRI</b> (Mohammed V University, Rabat-Morocco).</p> <p><b>OC.30.</b> Évaluation des activités antioxydante et antibactérienne de <i>Lawsonia inermis</i> pour une valorisation pharmaco-cosmétique. <b>Fatima Zohra AOUTIL</b> (Ibnou Zohr University, Agadir- Morocco).</p> <p><b>OC.31.</b> Isolation and Identification of Bacteriocinogenic Lactic Acid Bacteria from Goats' meat in the Souss Massa region. <b>Hamza TAMI</b> (Ibn Zohr University, Agadir - Morocco).</p> <p><b>OC.32.</b> Antimicrobial properties of novel Lactic Acid Bacteria strains isolated from raw milk. <b>Imane MAIOUET</b> ( Hassan II University of Casablanca - Morocco).</p>

8h30 – 10h30

- OC.33.** Evaluation of the Reversibility of Cadmium-Induced Testicular Toxicity Following Recovery Alone or with Zinc Supplementation. **Jihane AIT BENBELLA** (Hassan II University, Casablanca - Morocco).
- OC.34.** Comprehensive Genome Analysis and Probiotic Potential of *Lactococcus lactis* UFAS8.3 from Traditional Fermented Cheese. **Soumaya AHADAF** (Abdelmalek Essaâdi University, Tetouan - Morocco).
- OC.35.** Evaluation of the antiviral activity of different extracts of *Gliricidia sepium* and *Xylopia aethiopica* on enteroviruses isolated in Côte d'Ivoire. **Casilde LIDJI** (Université Félix Houphouet-Boigny). (**Online presentation**).
- OC.36.** Characterization of goat farming, identification of dominant pathologies and therapeutic modalities of goats in the argan grove of Agadir in Morocco. **Houda EL KHEYYAT** (Ibnou Zohr University, Agadir-Morocco).

**Session V: Heterocycles and Natural Products in Modern Bioorganic Chemistry: From Synthetic Innovation to Therapeutic Discovery**

*Location: FSR*

*Moderators / Reporters: Pr. N. E. H. MUSTAPHI, Pr. M. DRIOWYA, Pr. N. K. SEBBAR*

- OC.37.** Innovative Approach for the Design and Synthesis of Heterocyclic Systems Based on a Pyrido[2,3-b]Pyrazine Framework. **Mohamed EL YAQOUBI** (Sidi Mohamed Ben Abdellah University, Fez- Morocco) (**Online presentation**).
- OC.38.** Synthesis, Spectroscopic Characterization, and Biological Screening of Novel Quinoxaline-2,3-Dione Derivatives. **Yousra SEQQAT** (Sidi Mohamed Ben Abdellah University, Fez- Morocco) (**Online presentation**).
- OC.39.** Design, Molecular Docking Insights, *In Vitro* Antibacterial Assessment, and Spectroscopic Analysis of Novel 1, 2, and 3-Triazole Compounds Derived from Cytosine. **Mouad LAHYAOUI** (Sidi Mohamed Ben Abdellah University, Fez- Morocco) (**Online presentation**).
- OC.40.** Synthesis and Characterization of New Heterocyclic Compounds Derived from pyrimidine and pyridine: A Step Toward Potential Biological Evaluation. **Soukaina BENKIRANE** (Sidi Mohamed Ben Abdellah University, Fez- Morocco) (**Online presentation**).
- OC.41.** Enhancing the quality standards of used edible oils through the incorporation of thyme powder extract **Mohammed SATTEIH** (Sidi Mohamed Ben Abdellah University, Fez- Morocco) (**Online presentation**).

- OC.42.** Traditional Fermentation Practices Shape Distinct Microbial Communities Across Moroccan Cities. **Wessal HAOUALI**. (Abdelmalek Essaadi University - Morocco) (*Online presentation*).
- OC.43.** Isolation and Identification of Bacteriocinogenic Lactic Acid Bacteria from Fermented Camel Milk. **Mohamed AMELLAL**. (Ibnou Zohr University, Agadir- Morocco) (*Online presentation*). (*Session X*)
- OC.44.** Synthesis and reactivity of new heterocyclic molecules derived from pyrazol-3-yl acetamide. **Karim AZGAOU** (Mohammed V University, Rabat-Morocco).
- OC.45.** Synthesis and reactivity of new heterocyclic molecules derived from benzimidazolones. **Asmaa SABER** (Higher Institute of Nursing and Health Technology Professions, Rabat - Morocco).
- OC.46.** New Chromeno[2,3-c]pyrazol-1(2H)-one Derivatives: Synthesis and Evaluation of Their Antimicrobial and Antifungal Potential. **Daouda BALLO** (Université Félix Houphouët Boigny).
- OC.47.** *In vitro* antimicrobial activity of novel series of D-ribofuranosyl tetrazoles : Design, [3 + 2] cycloaddition and N-alkylation reaction synthesis, evaluations, molecular docking and computational studies. **Riham SGHYAR** (Abdelmalek Essaadi University - Morocco).
- OC.48.** Synthesis and NMR Study of Novel Acyclonucleosides Derived from Pyrazolo[3,4-d][1,2,3]triazines with Alkyl Chains of Acyclovir and HBG. **Imane FARAJ** (Mohammed V University, Rabat-Morocco).
- OC.49.** "Synthesis, Structural Analysis, Hirshfeld Surface Analysis, Interaction Energies, Energy Frameworks, and DFT Investigations of a Novel Benzimidazolone Derivative." **Zakaria EL ATRASSI** (Mohammed V University, Rabat-Morocco).
- OC.50.** Development of Novel Benzimidazole-Based Radiopharmaceuticals for Molecular Imaging In Nuclear Medicine. **Mohamed AIT IDAR** (Mohammed V University, Rabat-Morocco).

***Session VI: Innovations and Bioactivities of Natural Products: From Plant Extracts to Sustainable Applications***

*Location: FSR*

***Moderators / Reporters : Pr. I. BOURAIS, Pr. A. BALAHBIB, Pr. N. EL OMARI***

**11h00 – 13h00**

- OC.51.** Eco-Friendly 3D-Printed Wound Dressings: Synergizing Pomegranate Peel, Green Tea Biomaterials, and Moroccan Essential Oils for Superior Antimicrobial and Antioxidant Performance. **Khaoula SEBBAR** (Sidi Mohamed Ben Abdellah University, Fez- Morocco)

- OC.52.** *Cupressaceae* family: *Tetraclinis articulata* extracts as a promising source of bioactive compounds with antioxidant and antihyperglycemic activities. **Mariem QOSTAL** (Mohammed V University, Rabat-Morocco).
- OC.53.** Computational Screening of Phytochemicals from Moroccan Medicinal Plants for Antiviral Activity Against Influenza A. **Nouh MOUNADI** (UH2-FSBM)
- OC.54.** Antiplasmodial activity of a polyherbal formulation based on *Azardiractha indica*, *Cymbopogon citratus* and *Psidium guava*, and identification of antimalarial compounds using a molecular network approach. **Pristile BROU** (University Felix houphouet Boigny).
- OC.55.** Stability of antimicrobial and antioxidant properties of pectin-based film incorporated with *Rosmarinus officinalis*, *Syzygium aromaticum* essential oils. **Raoya KHACHANI** (FSTT - Morocco)
- OC.56.** Patent Landscape Analysis of Monoterpenes: Innovation Trends and Biotechnological Applications. **Reda EL BOUKHARI** (USMS FP)
- OC.57.** Effects of Vitamin C and Sodium Copper Chlorophyllin Against Barium Chloride-Induced Oxidative Stress in Mouse Kidney. **Salma BENAYAD** (Hassan I University, Settat- Morocco)
- OC.58.** Unlocking the Potential of Residual Biomass from Essential Oil Extraction for Sustainable Cosmetics. **Sanaa KHIRI** (Mohammed VI Polytechnic University (UM6P)).
- OC.59.** Chemical characterisation and two biological activities of the essential oil of *Cinnamomum* sp. **Sanae KARIM** (Mohammed V University, Rabat-Morocco).
- OC.60.** Évaluation de l'activité antispasmodique et étude de la toxicité aiguë et subaiguë de l'extrait aqueux de *Ruta montana*. **Soumia SAIKOUK** (Ibn Tofail University, Kenitra - Morocco).
- OC.61.** Anti-amnesic effects of withaferin A, a steroidal lactone isolated from *Withania adpressa*, on scopolamine-induced memory impairment in mice. **Widad BEN BAKRIM** (Cadi Ayyad University -Morocco).
- OC.62.** Hidden Treasures of Camel Milk: Unlocking Its Potential in Hair Care Cosmetic Formulations. **Zineb BOUBAL** (Mohammed VI Polytechnic University -Morocco)
- OC.63.** Evaluation of the Antioxidant Activity of *Ammoides pusilla* Essential Oil: *In Vitro* and *In Silico* Approaches for the Identification of Candidate Molecules. **Zineb LAHBOUB** (Mohammed V University, Rabat-Morocco).

**Session VII: Integrative Approaches in Agricultural Biotechnology and Antimicrobial Discovery**

**Location: FSR**

**Moderators / Reporters : Pr. L. SBABOU, Pr. K.TAHA, Pr. B. BADAoui, Pr. M. MISSBAH IDRISSE**

- OC.64.** Investigation of the Antibacterial and Antioxidant Properties of *Dittrichia viscosa* (L.) Against Nosocomial Pathogens. **Rania JERADA** (Mohammed V University, Rabat-Morocco).
- OC.65.** Exogenous Silicon Application Enhances the Germination Parameters of *Faba bean* Seeds Infected with *Ascochyta fabae*. **Fadwa BOUNOUAR** (Sultan Moulay Slimane University, Beni Mellal - Morocco).
- OC.66.** Effects of Biochar on Soil Fertility and Bell Pepper Growth Under Water Stress. **H'Anane SAHIL** (Ibnou Zohr University, Agadir- Morocco)
- OC.67.** Exopolysaccharides from Rhizobacteria as a Bioprotective Strategy Against PEG-Induced Drought Stress in Wheat. **Saliha GHARBI** (FST, Tangier, Morocco)
- OC.68.** Antagonistic Activity of *Pseudomonas* Against *Botrytis cinerea* and *Leveillula taurica* on Tomato. **Sana EL HAJI** (Mohammed V University, Rabat-Morocco).
- OC.69.** Antimicrobial and Antioxidant Activities of Select *Lamiaceae* Species. **Sara BOUKOUR** (FST, Tangier, Morocco)
- OC.70.** Characterization of the Gut Microbiome of European Sea Bass (*Dicentrarchus labrax*) Using High-Throughput Sequencing and QIIME 2 Analysis. **Wissal TANJAoui** (FST, Tangier, Morocco)
- OC.71.** Investigation of Rhizobium Isolates as Biocontrol Solutions Against Gray Mold (*Botrytis cinerea*) and Bacterial Canker (*Clavibacter michiganensis* subsp. *michiganensis*) in Tomato Crops. **Abderrahim FIRAOUNI** (INRA, Morocco)
- OC.72.** Prevalence and Antibiotic Resistance of MRSA *Staphylococcus aureus* in Well Water Contamination by the Oumazza Landfill in Rabat. **Wissal JAIMA** (Mohammed V University, Rabat-Morocco).
- OC.73.** Biotechnological Approaches to Optimize the Micropropagation of the Argan Tree (*Argania spinosa*) and Promote Sustainable Multiplication. **Rajaa TESSE** (FST, Mohammadia, Morocco).
- OC.74.** Physico-Chemical Characterization of Effluents from Tanneries: An Assessment of Environmental Impact Against Moroccan Standards. **Ghita El Mouhri**, (Sidi Mohammed Ben Abdellah, University, Morocco).

**OC.75.** *Chemical composition and antimicrobial activity of essential oils from leaves of Eucalyptus camaldulensis, Eucalyptus grandis, and their hybrid clone 2414.* **Safaa ABID** (Mohammed V University, Rabat-Morocco).

**Session VIII: Bioactive Natural Compounds: From Phytochemistry to Therapeutic Applications in Chronic Diseases**

**Location: FSR**

**Moderators / Reporters : Pr. Y. ZAID, Pr. Y. El KHARRASI, Pr. O. ABOUSSI**

**OC.76.** Comparison of Chemical Profiling, Antioxidant and Antimitotic Activities of Female *Cannabis sativa* L. Extracts Obtained by Two Modern Extraction Techniques. **Marouane CHAHBOUNI** (Hassan II University, Casablanca – Morocco).

**OC.77.** Exploring the Cosmetic Potential of *Centaurium erythraea* Rafn: Phytochemical study, Antioxidant Activity And Acute Toxicity Evaluation for Herbal Hair Loss Lotion Development. **Saloua TAJABRITE** (Mohammed V University, Rabat-Morocco).

**OC.78.** Evaluation of the Hypotensive and Diuretic Effect of aqueous extracts from two medicinal plants in normotensive rats. **Imene JEBBOURI** (Mohamed First University - Morocco).

**OC.79.** Targeting Mitochondrial CB1 Receptors May Disrupt Acute Myeloid Leukemia Metabolism and Angiogenesis. **Rawane BELLEMRRABET** (Institut Supérieur des Sciences de la Santé).

**OC.80.** Protective Effect of Argan, Cactus Seed, and Olive Oils Against Short-Term Lipopolysaccharide-Induced Oxidative Stress in the Mouse Heart. **Soufiane RABBAA** (Institut Supérieur des Sciences de la Santé).

**OC.81.** Synergistic Neurotoxicity in Parkinson's Disease: Examining the Impact of Restraint Stress and 6-OHDA, and the Therapeutic Potential of *Nigella sativa*. **Soukaina BENTAYBI** (Mohammed V University, Rabat-Morocco).

**OC.82.** Neuroprotective Effects of Argan Oil: Modulation of Antioxidant Enzymes Against Barium Chloride-Induced Oxidative Stress in Mice. **Yassir LAZIOUEZ** (Hassan First University, Settat).

**OC.83.** Approches complémentaires dans la gestion du diabète : Pratiques et préférences des patients diabétiques. **Abdelmouamen ALLOUCH** (Mohammed V University, Rabat-Morocco).

**OC.84.** Deciphering The Molecular Profile of Nasopharyngeal Cancer in Morocco: Proteomics Signatures and Biomarker Discovery. **Ayman REFFAI** (Stanford University and Abdelmalek Essaadi University).

- OC.85.** Antihypertensive effect of the aqueous extract of *Salvia officinalis* L. leaves and the implication of its vascular effect. **Said HAMDOUNI** (Mohamed First University - Morocco).
- OC.86.** *Marrubium vulgare*: Safety Profile and Effect on the Oxidative Burst of Human Polymorphonuclear Neutrophils. **Zaynab OUADGHIRI** (Hassan II University, Casablanca - Morocco).
- OC.87.** Propriétés bioactives des extraits de fleurs et de l'huile essentielle d'*Opuntia Dillenii*. **Mohammad ELOUAZKITI** (Ibn Tofail University, Kenitra - Morocco).
- OC.88.** Pharmacological Study of *Dittrichia viscosa* Flavonoid Extract: LC-MS Profiling, Antioxidant Properties, Hepatoprotective Effects, Safety Assessment, and In Silico ADME-Molecular Docking Analysis. **Noura BENTARHLIA** (Mohammed V University, Rabat-Morocco).
- OC.89.** Characterization of the Phenolic, Aroma-Active, and Lipid Profiles of the Moroccan *Balanites aegyptiaca* kernel oil as Affected by Roasting Process. **Asma EL KAOURAT** (Mohammed V University, Rabat-Morocco).

**Session IX: Integrative Approaches to the Development of Bioactive Heterocycles and Natural Products:  
Green Synthesis and Therapeutic Applications.**

**Location: FSR**

**Moderators / Reporters : Pr. H. CHERKAOUJ, Pr. L. EL GHAYATI, Pr. Z. BENZEKRI**

- OC.90.** Endothelium-Dependent and Muscarinic Receptor-Mediated Vasorelaxant Effects of Flavonoid-Rich extract from *Centaureum erythraea* and *Cannabis sativa*. **Alae CHDA** (ISPITS - Morocco)
- OC.91.** Valorizing Keratin from Chicken Feathers in a Sustainable One-Pot Synthesis of Isoxazole-1,2,3-Triazole Hybrid compounds. **Loubna MOKHI** (Mohammed V University, Rabat-Morocco).
- OC.92.** Potentiel bioactif du *Cannabis sativa*. **Doha MARRAKCHI** (Sidi Mohamed Ben Abdellah University, Fez- Morocco).
- OC.93.** Synthesis, Characterization and Bio-evaluation of Microalgae-derived Chlorophyllin. **Hind ATTAOUI** (Ibnou Zohr University, Agadir- Morocco).
- OC.94.** Solvent-free microwave-assisted extraction of *citrus.limon* essential oils and valorization of extraction residue. **Houda EL KAHIA** (Mohamed VI polytechnic university).
- OC.95.** Design, Synthesis and Anti-Cancer Activity of Novel Isoniazid-based Derivatives. **Khouloud ROUZI** (Mohammed V University, Rabat, Morocco).

- OC.96.** A newly 1-substituted-3-(1-phenylvinyl)-benzimidazol-2-one derivatives: Crystal structures, spectroscopic characterizations. **Mustapha ZOUHAIR** (Mohammed V University, Rabat-Morocco).
- OC.97.** Green Synthesis of Copper Oxide Nanoparticles from *Inula viscosa*: Evaluation of their Anticoagulant Properties and Biocompatibility. **Nada AL MOUDANI** (Sidi Mohamed Ben Abdellah University, Fez-Morocco). (*Online presentation*)
- OC.98.** *In vivo* anti-lithiasic activity of *Punica granatum* L. peel extracts on calcium oxalate lithiasis, Induced by ethylene glycol and ammonium chloride in rats. **Rabie KACHKOUL** (Higher Institute of Nursing Professions and Health Techniques).
- OC.99.** Eco-Friendly Green Synthesis, Surface Functionalization, and Performance Optimization of Reduced Graphene Oxide (rGO) for High-Efficiency Adsorption of Rhodamine B Dye: A Detailed Experimental Investigation and In-Depth Mechanistic Analysis Using Density Functional Theory (DFT). **Soukaina EL BOURACHDI** (Sidi Mohamed Ben Abdellah University, Fez- Morocco).
- OC.100.** Vasorelaxant and Antihypertensive Effects of a Non-Cannabinoid Cannabis sativa Extract. **Youssef MAHOU** (Sidi Mohamed Ben Abdellah University, Fez- Morocco).
- OC.101.** New Magnetic Heterogeneous Nanocomposite Fe<sub>3</sub>O<sub>4</sub>@KNPs Coated with Copper: Catalytic Application for the Synthesis of Novel Hybrid Compounds Containing 1,2,3-Triazole under Ultrasound irradiation. **Chaimae HOURMA** (Mohammed V University, Rabat-Morocco).
- OC.102.** Synthesis, reactivity and biological activities of new heterocyclic molecules derived from 1,4-benzothiazin-3-one. **Soukaina EL HADDAD** (Mohammed V University, Rabat-Morocco).
- OC.103.** Therapeutic Insights into Moroccan Marine Microalgae: Bioactive Extracts for Wound Healing, Skin Regeneration, and Inflammatory Pathway Modulation. **Ghita Loubane** (Mohamed VI polytechnic university).
- OC.104.** Synthesis, crystal structure and spectroscopic characterization of N-substituted 6-oxo-benzo[4,5]imidazo[1,2-c]quinazoline. **Sanaa SABIR** (University Mohammed V Rabat- Morocco).

**Session X: From Waste to Worth: Eco-Friendly Valorization of Plant-Based By-Products and Local Biodiversity.**

*Location: FSR*

**Moderators / Reporters : Pr B.E KARTAH, Pr. H. EL MONFALOUTI**

**11h00 – 13h00**

- OC.105.** Valorization opportunities of Argan by-products as sustainable sources of techno-functional ingredients. **Noamane TAARJI** (UM6P-Morocco)
- OC.106.** Eco-Friendly Recovery of Bioactive Compounds from Blueberry and Raspberry By-Products. **Yassine Jaouhari** (Università Del Piemonte Orientale, Italy)
- OC.107.** Innovative Green Extraction Techniques for Phenolic Compounds from Argan Leaves Using Sustainable Solvents. **Otmane HALLOUCH** (University Ibn Zohr, Agadir- Morocco)
- OC.108.** Valorization of Argan Tree: Influence of Origin, Morphology, Extraction, and Processing on the Chemical Composition and Quality of Its Various Parts. **Abderrahim ASBBANE** (University Ibn Zohr, Agadir- Morocco)
- OC.109.** Valorisation des sous-produits du safran en tant qu'antioxydants naturels pour la stabilisation oxydative de l'huile de tournesol via une fortification ultrasonique. **Moussa NID AHMED** (University Ibn Zohr, Agadir- Morocco)
- OC.110.** Local biodiversity and mineralogical potential: Quantitative biochemical study of some wild edible plants by ICP-OES spectrometry **Seloua ESSAIH** (Université Chouaïb Doukkali -Morocco).
- OC.111.** Withanolide F from *W. adpressa*: A Promising Neuroprotective Compound Against Memory Impairment. **Hiba Ouchtiti** (Université Cadi Ayyad -Morocco).
- OC.112.** Comparative study of hydromethanolic and aqueous extracts of *Salvia taraxacifolia*: phytochemical richness and antioxidant potential. **Maryam El hamzaoui** (Université Chouaïb Doukkali -Morocco).
- OC.113.** Unlocking the Therapeutic Potential of Quinoline Derivatives: Relationship between Structure and biological behaviour . **Ihsane Achour** (University Mohammed V Rabat- Morocco).
- OC.114.** Influence of Exploitation and Environmental Conditions on *Chamelea gallina*: Socio-Economic Dimensions and Climate Impacts. **Amira Kharkhache**, (Mohammed First University, Oujda, Morocco).

## Posters Sessions



FSR : Avenue Ibn Battouta, B.P.  
1014, Agdal - Rabat, Maroc

- P1.** Effect of Isolation Method on the Physico-chemical, Structural and Techno-functional Properties of Argan Press-cake Proteins. **Cheima MOUFID** (UM6P - Morocco).
- P2.** Etude phytochimique et analyse des effets antioxydant et antibactérien de *Lemna gibba* comme biomasse valorisable. **Farah GOURCHANE** (Mohammed V University, Rabat-Morocco).
- P3.** Phytochemical screening and antioxidant evaluation of *Myrtus communis L. leaves*. **Fatima Zahra AKHELLOUF** (Hassan II University, Casablanca - Morocco).
- P4.** Impact of Different Roasting Parameters on Proteins, Lipid Fraction and Volatile Flavor Profile in *Pistacia vera L.* **Giacomo PEDRON** (Università Del Piemonte Orientale, Italy).
- P5.** The Effect of Cannabis on Depression: A Behavioral and Neurophysiological Study in Experimental and *Clinical Models*. **Hachem ELAAZRI** (Mohammed V University, Rabat-Morocco).
- P6.** Treatment and Valorization by Cryoconcentration of Wastewater Generated by the Hydrodistillation of Aromatic Plants. **Hassan SAOUAB** (Chouaib Doukkali University, EL Jadida-Morocco).
- P7.** Neuroprotective Effects of Argan Oil: A Systematic Review and Meta-Analysis. **Houria MADANI** (Université Sultan Moulay Slimane - Morocco).
- P8.** Argan Oil Modulates Neuroinflammatory and Oxidative Pathways in Parkinson's Disease: A Translational Approach. **Jennifer LEONCIO** (Mohammed V University, Rabat-Morocco).
- P9.** Black seed oil reduces cortisol levels and improves antioxidant stability in rabbits subjected to transport and heat stress. **khadija RACHCHAD** (FSBM).
- P10.** Cytocompatible 3D Printed and Nano-coated Dressings: Advancing Wound Healing Through Biocompatible and Antimicrobial Bioactive Molecules. **Khaoula SEBBAR** (Sidi Mohamed Ben Abdellah University, Fez- Morocco).
- P11.** Phytochemical Screening, *In vitro* Antioxidant and Anti-inflammatory Potentials of *Artemisia Absinthium* Aqueous Extract: A Study on a Moroccan Traditional Medicinal Plant. **Majdouline AZIZ** (Hassan II University, Casablanca - Morocco).
- P12.** Phytochemical screening and evaluation of *In vitro* antioxidant and anti-inflammatory activities of *Peganum harmala* seeds. **Maria TIJINI** (Hassan II University, Casablanca - Morocco).
- P13.** Effects of Probiotic, Prebiotic, and Synbiotic Supplementation on the Growth and Health of Broiler Chickens. **Khaoula ARHLAM** (Hassan II institute of agronomy and veterinary- Morocco)

- P14.** Optimization of the effectiveness of the HACCP approach: case of the production line for black olives in the Greek way (ONFG) -Cartier Saada- Marrakech. **Mounia AKHALLAA YOUNE** (FSSM-Morocco)
- P15.** Biochemical characterization of Argan Press Cake Proteins Foreseeing Food and Feed Application. **Aya BASBOUS** (UM6P- Morocco)
- P16.** Thyme Honey from Northern Morocco: A Natural Source of Bioactive Compounds with Antioxidant and Antibacterial Potential. **Omayma ACHTOUN** (Abdelmalek Essaâdi University-Morocco).
- P17.** Underlying Interactions Among Liposoluble Antioxidants: Implications for Lipid Oxidation Control. **Nouhaila CHAIB** (University Mohammed V Rabat- Morocco).
- P18.** Maximizing Power Generation in Single-Chamber Microbial Fuel Cells: The Role of  $\text{LiTa}_{0.5}\text{Nb}_{0.5}\text{O}_3/\text{g-C}_3\text{N}_4$  Photocatalyst. **Nour-eddine LAZAR** (ENSAM- Morocco).
- P19.** Peanut Flour and Oilcake Flour By-Products: Exploring the Impact of Roasting and Varietal Differences on Nutritional Composition, Phenolic Content, and Antioxidant Activity. **Zineb LAKHLIFI EL IDRISSE** (University Mohammed V Rabat- Morocco).
- P20.** Ethnobotanical Study of Medicinal Plants Revealing Their Therapeutic Potential in the Province of El Jadida, Morocco. **Anas KENOUANE** (Chouaib Doukkali University, EL Jadida, Morocco).
- P21.** The era of BIO-DRUGS: Therapeutic innovation and precision diagnostics in MOROCCO. **Doha LAHDOUDI** (Mohammed V University, Rabat-Morocco).
- P22.** Biomedicines and biomolecules of plant origin: Influence of mycorrhizae on the production of bioactive compounds from *Origanum compactum* for therapeutic applications **Oumnia AKHALLAA YOUNE** (UCA).
- P23.** Phytochemical Characterization, Biological Effects, and Enzyme Inhibitory Evaluation of *Lavandula angustifolia* Essential Oil. **Oumayma AGUERD** (Mohammed V University, Rabat-Morocco).
- P24.** Extraction of *Warionia saharae* essential oil and insight into its biological activity. **Soumaya EL ASSRI** (Ibnou Zohr University, Agadir- Morocco).
- P25.** *Centaurium erythraea* Extract Rich in Flavonoid Glycosides Exerts, Anti-Proliferative Effect on A375 Melanoma and MCF-7 Human Breast Adenocarcinoma and Immunostimulatory Activity on THP-1 Monocytes via Nitric Oxide. **Alae CHDA** (ISPITS -Morocco).
- P26.** Synthesis, Molecular Docking, and Dynamics Simulation of 7-phenyl-5-(p-tolyl)pyrido[2,3-d]pyrimidine-4- amin as Anticancer Agents with Multitarget Inhibitory Action. **Boutaina ADDOUM** (Biology and Medical Research Unit, National Center for Energy, Nuclear Sciences and Techniques -Morocco).

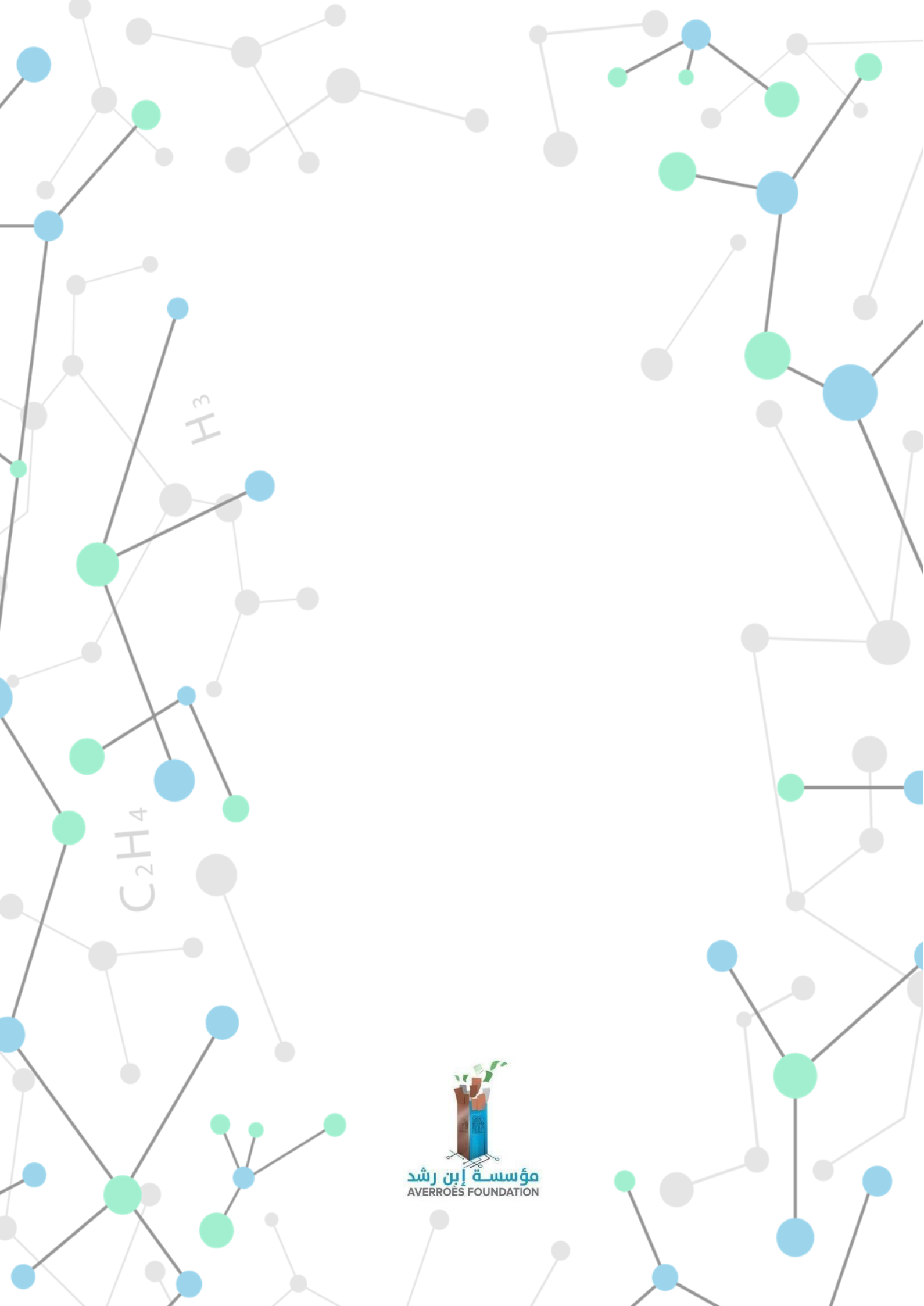
- P27.** 4-amino-5-(pyridin-4-yl)-4H-1,2,4-triazole-3-thiol as potent antimicrobial agent: Synthesis, X-ray, antimicrobial activity and computational studies. **Khouloud ROUZI** (Mohammed V University, Rabat-Morocco).
- P28.** Antibacterial effect of hydroalcoholic extract and infusion of *Punica granatum* L. peel extracts and their synergistic effect against strains responsible on urinary tract infection and urolithiasis development. **Rabie KACHKOUL**. (Higher Institute of Nursing Professions and Health Techniques-Fez -Morocco).
- P29.** Novel 3,5-Dimethylpyrazole-Linked 1,2,4-Triazole-3-thiols as Potent Antihyperglycemic Agents: Synthesis, Biological Evaluation, and In Silico Molecular Modelling Investigations. **Chaymae EZZOU** (Mohammed V University, Rabat-Morocco).
- P30.** Amino-Modified Perillyl Alcohol Derivatives: QSAR modeling, drug-likeness characteristics and molecular docking investigations as an activation of apoptosis to tumor cells. **Mouad LAHYAOUI** (Sidi Mohamed Ben Abdellah University, Fez- Morocco).
- P31.** Synthesis and Pharmacological Potential of New Coumarin-Pyrazole Derivatives. **Daouda BALLO** (Université Félix Houphouët Boigny).
- P32.** The study of acute toxicity, chemical profile and some biological activities of aqueous extracts of female *Cannabis sativa* L. Var. *Kherdala* obtained by four extraction techniques. **Marouane CHAHBOUNI** (Hassan II University, Casablanca - Morocco).
- P33.** Callitris glaucophylla Joy Thomps. & L.A.S. Johnson: Phytochemical study on the essential oils and assessment of their antioxidant, anti-enzymatic and allelopathic effects. **Marwa KHAMMASSI** (INRGREF)\*
- P34.** Microalgues : culture et applications innovantes en santé, agroalimentaire et cosmétique. **Maryeme OUKMI** (Higher School of Technology)\*
- P35.** Medicinal Plants for Eczema Treatment in Morocco. **Metni KHAIRO EL BARIA** (Mohammed V University, Rabat-Morocco).
- P36.** Neuroplasticity Enhancement by Cannabis-Derived Compounds: An Experimental and Computational Approach to Alzheimer's Disease Therapy. **Noufel HACHIMI** (Mohammed V University, Rabat-Morocco).
- P37.** Biotechnological activities of nutmeg (*Myristica fragrans*), coriander seed (*Coriandrum sativum*), and fennel seed (*Foeniculum vulgare*). **Sara BOUKOUR** (Faculty of Science and Technology of Tangier).

- P38.** Extraction and valorization of biomolecules from the green seaweed *Ulva fasciata*: A biorefinery approach. **Khansae KAMAL** (Chouaib Doukkali University- Morocco).
- P39.** Ethnomedicinal uses, Phytochemistry, and Biological Properties of *Ammoides pusilla*: a comprehensive review. **Zineb LAHBOUB** (Mohammed V University, Rabat-Morocco).
- P40.** Ethnobotanical Perception of Toxic and Non-Toxic Plants Among Cosmetic Plant Users and Herbalists in the Region of Rabat-Salé-Kénitra. **Saloua TAJABRITE** (Mohammed V University, Rabat-Morocco).
- P41.** Exploring Propolis-Derived Compounds as Quorum Sensing Inhibitors in *Stenotrophomonas maltophilia*: A Molecular Docking and MD Simulations Combination. **Fettouma CHRAA** (Mohammed V University, Rabat-Morocco).
- P42.** Optimizing Encapsulation of Urea in Biopolymers for Controlled Release Nitrogen Fertilizers in Sustainable Agriculture. **Hassan BOUKRIM** (Mohammed V University, Rabat-Morocco).
- P43.** Synthesis of New 1,2,3-Triazole Analogues by Adopting a Green One-Pot Tandem Approach. **Khaoula ZOUNA** (University Mohammed V Rabat- Morocco).
- P44.** Pyridopyrazine Derivatives as Selective Histamine H4 Receptor Antagonists for Atopic Dermatitis Therapy: Integration of QSAR Modeling and Molecular Docking Analysis. **Mohamed EL YAQOUBI** (Sidi Mohamed Ben Abdellah University, Fez- Morocco).
- P45.** 3-oxo-1,4-benzothiazines: Synthesis, Reactivity, and Evaluation of Their Antibacterial Properties. **Hayat SAOUDI** (Faculty of Sciences, University Ibn Tofail, Kenitra- Morocco).
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- P51.** Stability of vitamin A in fortified vegetable oils during storage and retailing in “real life supply chain conditions” in three African countries. **Noura BENTARHLIA** (Mohammed V University in Rabat - Morocco).
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H<sub>3</sub>

C<sub>2</sub>H<sub>4</sub>



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