



People's Democratic Republic of Algeria  
وزارة التعليم العالي والبحث العلمي  
Ministry of Higher Education and Scientific Research  
جامعة الشهيد خضر - الوادي  
University of Echahid Hamma Lakhdar – El Oued  
كلية علوم الطبيعة والحياة



Faculty of Nature and Life Sciences  
Department of Biology  
In collaboration with



Program of

**International Conference on Sustainable Agriculture: Water Treatment and Plant Protection  
(SA-W&P-2026)**

21-23 April 2026 University of El Oued, Algeria

Inscription	Registration will start on 20/04/2026
<b>Tuesday, April 21<sup>st</sup>, 2026</b>	
<b>Conference Opening</b>	
9:00-09:45	<b>Prof. Omar Ferhati</b> Rector of the University of El Oued
	<b>Dr. Abdelmalek Zaater</b> Dean of the Faculty of Nature and Life Sciences
	<b>Dr. Nour El Houda Mekhadmi</b> Conference Director
<b>Plenary session 1</b> Session Chair: Prof. Ammar Touhami Laiche, Prof. Bakali Mahfoud	
09:45-10:15	<b>Prof. Touhami Lanez</b> In Silico Evaluation of the Herbicidal Potential of Ferrocenes and Silychristins Targeting Plant PPOX.
10:15-10:30	<b>Discussion</b>
10:30-11:10	<b>Coffee Break</b>
	<b>Poster Session 01</b> Theme: <i>Valorization of Plant By-Products</i> (p1 – p 84) Theme: <i>Water Management</i> (p 85 - p 100)
11:10-11:40	<b>Prof. Loucif Seiad Mohamed</b> PRIMA Project
11:40-12:10	<b>Prof. Yasser M. Shabana</b> Challenges and Opportunities for Biological Control in Diverse Weed Systems
12:10-12:40	<b>Discussion</b>
12:40-14:00	<b>Lunch</b>

# 1<sup>st</sup> Oral Session

	<b>Room 1</b> <b>Theme: Biodiversity for Sustainable Agriculture</b>	<b>Room 2</b> <b>Theme: Valorisation of Plant By-Products</b>
	<b>Moderator:</b> Prof. Sadine Salah Eddine, Dr. Gherib Amina	<b>Moderator:</b> Dr. Randa Mlik, Dr. Mohamed Amine Fares
14:30-14:45	<p style="text-align: center;"><b>Communication 01:</b> Activities of the National Research Center and the Academy of Scientific Research and Technology in Egypt in the conservation of wild medicinal plants outside their natural habitats (<i>Ex-situ</i>) <b>Prof. Elsayed A. Omer</b> National Research Center, Dokki, Giza, Cairo. Egypt</p>	<p style="text-align: center;"><b>Communication 1:</b> Microbial Approaches That Can Increase Plant Resistance Mechanisms Under Drought Stress Conditions: Algae <b>Prof. Aysen Akay</b> University of Selçuk. Türkiye</p>
14:45-15:00	<p style="text-align: center;"><b>Communication 02:</b> Growing Possibilities of Some Artichoke Varieties in Kyrgyzstan, Bishkek-Chuy Region <b>Prof. Mustafa Paksoy</b> University of Selçuk.Türkiye</p>	<p style="text-align: center;"><b>Communication 2:</b> Valorization of flax fibers sourced from metal-polluted soils: a transcriptomic study of molecular tolerance mechanisms and the role of mycorrhizal inoculation <b>Dr. Mohamad Cheaib</b> Université du Littoral Côte d'Opale (ULCO). France</p>
15:00-15:15	<p style="text-align: center;"><b>Communication 03:</b> The canopy's effect on the wild pistachio on the vegetation cover and species richness under a semi-arid climate south of Tebessa <b>Dr. Aloui Massinissa</b> University of Tébessa. Algeria</p>	<p style="text-align: center;"><b>Communication 3:</b> A natural ointment based on the Hypericum perforatum plant against inflammations and burns <b>Dr. Adaika Aicha</b> University of El Oued. Algeria</p>
15:15-15:30	<p style="text-align: center;"><b>Communication 04:</b> Impact of Agricultural Biodiversity on Honey Bee Productivity and Disease Management in Algeria <b>Dr. Nouredine Adjlane</b> Université de Boumerdès.Algeria</p>	<p style="text-align: center;"><b>Communication 4:</b> Mathematical Experimental Study and Simulation of Stem Surface Area of the Sunflower Plant (<i>Helianthus annuus</i> L.) <b>Dr. Maamar Boukabcha</b> Hassiba benbouali, University of Chlef. Algeria</p>
15:30-15:50	<b>Discussion</b>	<b>Discussion</b>
15:50-16:05	<p style="text-align: center;"><b>Communication 05:</b> Purslane's Drought Tolerance: a Keystone Trait for Agricultural Biodiversity <b>Dr. Yasmina Arfa</b> Kasdi Merbah Ouargla University.Algeria</p>	<p style="text-align: center;"><b>Communication 5:</b> Chemical composition and Antifungal activity of <i>Olea europaea</i> subsp. Sylvestris extract against Candida Isolates Causing Vulvovaginal Candidiasis in the Bechar region, southwest of Algeria <b>Prof. Makhloufi Ahmed</b> University Tahri Mohamed of Bechar. Algeria</p>
16:05-16:20	<p style="text-align: center;"><b>Communication 06:</b> Toward sustainable tomato protection: Environmental and economic assessment of peppermint essential oil against <i>Tuta absoluta</i> <b>Dr. Mahfoud Babaousmail</b> University of El Oued. Algeria</p>	<p style="text-align: center;"><b>Communication 6:</b> Evaluation of the biological and insecticidal activities of extracts and essential oil of <i>Eucalyptus globulus</i>. <b>Dr. Kaci Zakia</b> Université Djilali Bounaama Khemis Miliana. Algeria</p>
16:20-16:35	<p style="text-align: center;"><b>Communication 07:</b> Biostimulants application in vegetable crops under salinity stress environment <b>Prof. Bilal Acar</b> University of Selçuk.Türkiye</p>	<p style="text-align: center;"><b>Communication 7:</b> The Importance of Using Treated Water in Agriculture Under Changing Climate Conditions <b>Dr. Mithat Direk</b> University of Selçuk. Türkiye</p>
16:35-17:00	<b>Discussion</b>	<b>Discussion</b>
17:00	Closing 1 <sup>st</sup> Oral Session	

Wednesday, April 22<sup>nd</sup>, 2026

**Plenary session**

Session Chair **Prof. Ataf Chwikh and Dr. Mithet Direk**

08:30-09:20

**Prof. Hasan Hüseyin Doğan**

The Effect of Mycotoxins on Fungal Pathogenicity and Viral Infections

09:20-09:30

**Discussion**

9:30-10:30

**Coffee Break**

**2<sup>nd</sup> Poster Session**

*Theme: Biodiversity for Sustainable Agriculture (p1 – p 40)*

**2<sup>nd</sup> Oral Session**

**Room 1:**

*Theme: Biodiversity for Sustainable Agriculture*

**Moderator:** Prof. Khezzani Bachir, Dr. Alayat Moufida Saoucen

**Room 2:**

*Theme: Valorization of Plant By-Products*

**Moderator:** Dr.Tuba Arjumend, Dr. Nacer Salah Neghmouche, Dr. Ayad Redjeb

10:30-10:45

**Communication 1:**

Reducing Chemical Dependency in Agriculture: Natural and Innovative Strategies for Sustainable Plant Protection

**Dr. Meltam Burcu Belen**  
University of Selçuk. Türkiye

**Communication 01:**

A Literature Review on the Antiproliferative and Antiviral Effects of Essential Oils of Artemisia and Lamiaceae Families from Algerian Flora

**Dr. Ahmet Direk**

University of Selçuk. Türkiye

10:45-11:00

**Communication 2:**

A Literature Review on the Evaluation of Phenolic Compounds Obtained by Recycling Agricultural Wastes Within the Scope of Sustainable Agriculture as Antiviral Agents

**Dr. İrem Naz Aycil**  
University of Selçuk. Türkiye

**Communication 02:**

A Literature Review on the Antiviral Potential and Mechanisms of Action of Essential Oils in Combating Plant Viruses Within the Scope of Sustainable Agriculture

**Dr. Orçun Subutay Özgül**  
University of Selçuk. Türkiye

11:00-11:15

**Communication 3:**

Biodiversity of Fruit Fly Communities Populations (Diptera, Tephritidae) and Dynamics of Fruit Fly, *Ceratitis Capitata Wied.* 1824 in Khenchela, Eastern Algeria.

**Dr. Tamrabet Kenza**  
University of Mohamed Boudiaf, Msila.

**Communication 03:**

A Literature Review on the Antiviral Potential and Mechanisms of Action of Essential Oils in Combating Plant Viruses Within the Scope of Sustainable Agriculture

**Dr. Emirhan Timurtaş**  
University of Selçuk. Türkiye

11:15-11:30

**Communication 4:**

Elevation Rewires Native Arbuscular Mycorrhizal Fungal Networks in Mediterranean Soils Beneath an Endangered Wild Grapevine

**Dr. Imane Bahlouli**  
University of Monastir. Tunisia

**Communication 04:**

Phytochemicals, antibacterial activities and molecular docking of *Opuntia streptacantha* fruit skin from Alzawia, Libya.

**Dr. Abdalla A. Altrhoni**  
University of Zawia. Libya

11:30-11:50

**Discussion**

**Discussion**

11:50-12:00

**Communication 5:**

Evaluation of the Agronomic Performance of Certain Maize Varieties in Saharan Regions

**Dr. Tadjine Badra**  
Kasdi Merbah University

**Communication 05:**

Sustainable transformation of a plant by-product: integration of *Moringa oleifera* seed hull into a food application.

**Dr. Anissa Derder**  
Higher School of Food Sciences and Agri-Food Industries (ESSAIA). Algeria

12:00-12:10

**Communication 6:**

Valorization of Saharan genetic diversity: the case of oasis wheat from Adrar, the Touat, and Gourara region

**Dr. Sali Yehya**

**Communication 06:**

In Silico Evaluation of the Antipyretic Potential of Mentha pulegium Compounds Targeting COX-2

**Dr. El Hassasna Souhir**

	Université d'Adrar. Algeria	Echahid Cheikh Larbi Tebessi University.
12:10-12:20	<p><b>Communication 07:</b> Effects of Environmental Factors on Fruit Set, Development, and Yield of <i>Pistacia vera</i> L. in Semi-Arid Agroecosystems</p> <p><b>Dr. Bouchama Khaled</b> Khenchela University</p>	<p><b>Communication 07:</b> Dosage and identification of polyphenols and flavonoids and in different extracts of <i>Deverra scoparia</i> Coss &amp; Dur (Apiaceae)</p> <p><b>Dr. Benras Amina</b> Kasdi Merbah University. Algeria</p>
12:20-12:40	<b>Discussion</b>	<b>Discussion</b>
12:40	Closing <b>2<sup>nd</sup> Oral Session</b>	
12:40-14:00	<b>Lunch</b>	
14:00-15:00	<p>Training workshop 01</p> <p><b>Prof. Eman Khalifa</b></p> <p>Recent and conventional microbiological examination assays in controlling bacterial and fungal infections with regard to AI integration methods</p>	
15:00-16:00	<p>Training workshop 02</p> <p><b>Prof. Yasser M. Shabana</b></p> <p>Fungal Plant Diseases</p>	
16:00	<b>Excursion</b>	

Thursday, April 23<sup>rd</sup>, 2026

## 3<sup>rd</sup> Oral Session

### Plenary session

Session Chair: **Prof. Ikram Toumi and Prof. Yasser M. Shabana**

8:30 - 9:10

**Pr. Anissa Lounes - Hadj Sahraoui**  
Valorization of Aromatic Plant Biomass Produced on Contaminated Agricultural Soil  
University of Littoral Côte d'Opale (ULCO). France

9:10 - 9:30

**Discussion**

9:30 -10:00

**Coffee Break**

### 3<sup>rd</sup> Poster Session

*Theme: Biotechnological Innovations in Agriculture (p1 – p 30)*

*Theme: Water Management (p31-p45)*

**Room 1:**

**Theme: Biotechnological Innovations  
in Agriculture**

**Room 2**

**Theme: Water Management**

**Moderator:** Prof. Makhloufi Ahmed, Dr.  
Ramdane Farah

**Moderator:** Prof. Sofiane Saggai, Prof. Messaoudi  
Mohammed

10:05-10:20

**Communication 01:**  
Comparative Study of the Antioxidant and  
Antibacterial Activities of Aged and Non-Aged  
Garlic (*Allium Sativum*) Extracts Against  
Uropathogenic Bacteria.  
**Dr. Mahouz Fatima**  
University of Tiaret. Algeria

**Communication 01:**  
Necessity of Rainwater Harvesting for Sustainable Vegetation  
in Water-Deficient Regions  
**Prof. Bilal Acar**  
University of Selçuk. Türkiye

10:20 -10:35

**Communication 02:**  
Climate-Smart Bioinoculants for Semi-Arid  
Agriculture: Harnessing Native Rhizobia and  
Beneficial Bacteria to Improve *Vicia sativa*  
Growth  
**Dr. Bouzouani Chiraz Khadra**  
University of Khemis Meliana. Algeria

**Communication 02:**  
Decentralized Treated Wastewater Reuse in Arid Areas:  
Integrating a Participatory and WEFEE Nexus Approach  
**Dr. Bekaddour Sara**  
Research Center of Applied Economy for Development  
(CREAD). Algeria

10:35-10:50

**Communication 03:**  
A Novel Trichoderma-Based Green  
Formulation for Sustainable and Effective Field  
Control of Potato Virus Y  
**Dr. Mohamed Nasser Ahmed Rizk**  
Mansoura University, El-Mansoura. Egypt

**Communication 03:**  
Biostimulants application in vegetable crops under salinity  
stress environment  
**Dr. Musa Seymen**  
University of Selçuk. Türkiye

10:50-11:00

**Communication 04:**  
Making Healthy Madeleines by Double  
Substituting Commercial Oil and Table Sugar  
**Dr. Biya Bouras**  
University of El Oued. Algeria

**Communication 04:**  
Agro-waste-derived adsorbent for aqueous L-tyrosine  
removal: a sustainable water treatment approach  
**Dr. Belkacemi Hana**  
Université Chadli Bendjedid, El Tarf. Algeria

11:30-11:40

**Communication 05:**  
From GC-MS to Function: Antioxidant,  
Antibacterial, and Anti-corrosion Activities of  
Rosemary Essential Oil With Alpha-pinene  
Pathway Mapping  
**Dr. Hachani Soumaya**  
Biotechnology Centre CRBt. Algeria

**Communication 05:**  
An early selection strategy to mitigate water stress: a squash  
(*Cucurbita maxima* Duchesne) case study  
**Dr. Neji Tarchoun**  
University of Sousse, Tunisia

11:40-11:50	<p><b>Communication 06:</b>          Phytochemical Screening and Quantification of Total Polyphenols and Flavonoids in Pomegranate (<i>Punica granatum</i> L.) and <i>Cactus pear</i> (<i>Opuntia ficus indica</i>) Peels: Two Potentials Agro-Industrial By-Products  <b>Dr. Yasmine Taguigue</b>          Univesité du 20 Aou't 1955. Algeria</p>	<p><b>Communication 06:</b>          Dynamic Modeling of Nitrate in the Sebdou River and the Application of Best Management Practices to Mitigate Nitrate Pollution  <b>Dr. Amin Zettam</b>          Tlemcen university. Algeria</p>
11:50-12:00	<b>Discussion</b>	<b>Discussion</b>
12:00	Closing 3 <sup>rd</sup> Oral Session	Closing 3 <sup>rd</sup> Oral Session
12:00	<b>Closing the International Conference</b>	
12:30-14:00	<b>Lunch</b>	



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Tuesday, April 21<sup>st</sup>, 2026

## 1<sup>st</sup> Poster Session

**Theme: Valorization of Plant By-Products** (p1 – p 84)

**Moderator:** Prof. Anissa Lounes, Prof. Mahfoud Bakali

Dr. Mounira Kadri, Prof. Eman Khalifa, Dr. Bilal Ben Amor, Dr Samra Hamada

**Theme: Water Management** (p 85 - p 100)

**Moderator:** Prof. Ghemam Amara Djilani, Dr. Salim Madour, Dr. Hassen Loudj

Time	10:30-11:20		
N°	Title	Main Author	University
P01	Microwave 'dry' distillation extraction of essential oil from Citrus peels, comparison with conventional hydrodistillation	Dr. Abderrazek Ferhat	University of Tamanghasset
P02	Comparison of Cold Pressing, Hydrodistillation, and Microwave 'dry' distillation extraction for the determination of Citrus oils produced in Algeria	Dr. Abderrazek Ferhat	University of Tamanghasset
P03	Valorization of Artemisia Essential Oils: Cholinesterase Inhibitory Activity, GC-MS Profiling, and in Silico Studies	Dr. Ahmed Laloui Hamza	C.R.Biotech. Constantine
P04	Optical and Spectral Properties of Bioplastics Extracted from Sweet Potato Waste Starch: FTIR and UV-Vis Spectroscopic Analysis	Dr. Ahmed Salah Roumaisa	University of El Oued
P05	Valorization of Agricultural Waste and Biopolymers for the Preparation of Functional Materials for Dye-Contaminated Water Treatment	Dr. Alia Khaoula	University of EL Oued
P06	ZnCl <sub>2</sub> -Activated Hydro-Biochar Derived from Melia azedarach Seeds as a Sustainable Adsorbent for Dye-Contaminated Water	Dr. Asma Nouioua	University of Biskra
P07	Total phenol and flavonoid content, and antioxidant, antibacterial activity of ethanol/water extract of <i>Psidium guajava</i> L. leaf	Dr. Asma Seghieri	University of El Oued
P08	Phytochemical characterization and multi-assay antioxidant capacity of <i>Mentha rotundifolia</i> L. from Constantine, Algeria: implications for sustainable agricultural applications	Dr. Aziz Bouhabila	University of Larbi Ben Mhidi, Oum El Bouaghi.
P09	Physicochemical Analysis and Bioactivity Assessment of Camelus dromedarius Hump Fat for Topical Dermatological Applications	Dr. Belfar Aicha	University of Kasdi Merbah of Ouargla

<b>P10</b>	Green Innovations for the Valorization of Palm Grove Waste in the Service of Sustainable Agriculture	Dr. Ben Hamouda Souad	University of El Oued
<b>P11</b>	Design and characterization of a natural cream based on nanotechnology for the progressive degradation of tattoo pigments	Dr. Ben Khalifa Walaa	University of El Oued
<b>P12</b>	Chemical profiling of latex of <i>Euphorbia guyoniana</i> and <i>Launaea fragilis</i> at Oued Souf region.	Dr. Benamor Bilal	H.S. of Saharan Agriculture- El Oued
<b>P13</b>	Antimicrobial effects of <i>Artemisia judaica</i> to control foodborne pathogens –a review	Dr. Benddine Djedla	University of El Oued
<b>P14</b>	Synergistic Effect of <i>Ficus carica</i> L. Leaf Extract and Probiotics in Promoting Wound Healing	Dr. Benine Chaima	University of El Oued
<b>P15</b>	Evaluation of the biochemical and antioxidant physiological behavior of some quinoa varieties grown in the Djamaa region	Dr. Benkaddour Mounia	University of El Oued
<b>P16</b>	Development of Functional Cookies Enriched with Blida ( <i>Cucurbita pepo</i> L.), Seed Flour: Nutritional, Rheological, and Sensory Optimization.	Dr. Benlemmane Samira	BLIDA1 UNIVERSITY
<b>P17</b>	The conversion of Walnut shells ( <i>Juglans regia</i> ) biomass into activated carbon	Dr. Benregga Fatima Zohra	University of Tebessa
<b>P18</b>	Preparation of a nutritional supplement based on nanoparticles from moringa leaf extract for liver disease	Dr. Berkane lamia	University of El Oued
<b>P19</b>	Biosynthesized CuO/Cu <sub>2</sub> O Nanoparticles with Enhanced Antioxidant and Photocatalytic Properties	Dr. Berra Djamila	University of El Oued
<b>P20</b>	Enhanced Immune Activation and Organ Protection by Vitamin B-Rich Extract of <i>Chamaeleo chamaeleon</i> in Rats	Dr. Boudebia Ouafa	University of El Oued
<b>P21</b>	Bioactive Potential of <i>Chamaeleo chamaeleon</i> Extracts: Antioxidant, Anti-Inflammatory, and Antibacterial Assessment in Vitro	Dr. Boudebia Ouafa	University of El Oued
<b>P22</b>	Effets anti-inflammatoires des extraits de <i>Thapsia garganica</i> : approche expérimentale	Dr. Boudjella faiza	Abdelhamid Ibn Badis University
<b>P23</b>	Evaluation of Phytotoxicity of Two Biofertilizers for Soil Restoration and Enhancement of Plant Growth	Dr. Boukria Asma	N.H. S. of Biotech. of Constantine
<b>P24</b>	Review: Emerging Technologies in Plant Protection	Dr. Bousbia Brahim AIDA	University of El Oued
<b>P25</b>	Valorization of Poultry By-Products for Sustainable Use as Organic Fertilizers in Green Plants in El-Oued	Dr. Boussouar Hadjira	University of El Oued
<b>P26</b>	Valorisation of Plant By-Products from Algerian Traditional Pharmacopoeia: Veterinary Use and Antibacterial Activity of <i>Pistacia lentiscus</i> Essential Oil	Dr. Chahinese Djebane	university of Souk-Ahras
<b>P27</b>	An Integrated In Vitro, In Vivo and In Silico Evaluation of the Anti-Inflammatory Potential of Essential Oils and Plant Extracts from Selected Medicinal Species	Dr. Chaoua Housseyn	University of El Oued
<b>P28</b>	Study of the phytochemical, mineral and antioxidant activity of the medicinal plant <i>Launaea glomerata</i> in Algeria	Dr. Chelalba Imane	University of Blida 1
<b>P29</b>	Phytochemical Analysis and Biological Activity Evaluation of the Hydromethanolic Extract of Fenugreek ( <i>Trigonella Foenum-Graecum</i> L.) Seeds Locally Cultivated In El-Oued Region, Algeria	Dr. Cherrada Nezar	University of El Oued
<b>P30</b>	Extraction, HPLC Characterization, and Antioxidant Activities of Hydro-Methanolic Extract From Date Palm Seeds ( <i>Phoenix Dactylifera</i> L.); Ghars Variety	Dr. Cherrada Nezar	University of El Oued
<b>P31</b>	Antioxidant profile of <i>Smyrniium olusatrum</i> L. Essential oil	Dr. Dahmane Thoraya	University Khemis Miliana -
<b>P32</b>	Green Synthesis and Environmental Applications of Metal Oxide Nanocomposites	Dr. Dia Ouahida	University of El Oued
<b>P33</b>	Antimicrobial effects of <i>Artemisia judaica</i> to control foodborne pathogens –a review	Dr. Djedla Beneddine	University of El Oued
<b>P34</b>	Synthesis, characterization, and nanoparticles prepared from date seeds of date palms with anti-diabetic activity ( <i>Phoenix dactylifera</i> L.)	Dr. Douidi Dalal	University of El Oued
<b>P35</b>	Molecular Docking Study of Antifungal Compounds from <i>Cymbopogon schoenanthus</i> Against the 2KCN Enzyme	Dr. El hassasna Souhir	University of Tebessa
<b>P36</b>	Evaluation of Phytochemical Composition and Bioactivity of <i>Neurada procumbens</i> L. from the Oued Souf Region	Dr. Fathi Guemari	University of El Oued
<b>P37</b>	Green synthesis of eco-friendly fluorescent carbon dots from <i>Solanum melongena</i> L. calyx for enhanced antioxidant activity.	Dr. Fatma Alia	University of El Oued
<b>P38</b>	Adaptation of a medicinal plant to Abiotic Stress: Organic Osmolyte Profiling and Phytochemical Characterization in the Algerian Sahara	Dr. Frih Bariza	University of El Oued

<b>P39</b>	Green Synthesis of Magnesium and Silver-Based Nanoparticles: A Sustainable Approach to Enhanced Targeted Biomedicine and Antimicrobial Therapy	Dr. Frih Bariza	University of El Oued
<b>P40</b>	Preparation of Novel Nanoparticles from Date seeds Extract and Their Biological Activities	Dr. Ghania Ahmed	University of El Oued
<b>P41</b>	Phytochemical Profiling and In Vitro Biological Activities of the Aqueous Extract of <i>Bassia muricata</i> (L.) Asch.	Dr. Gheraissa Noura	University of El Oued
<b>P42</b>	Ethnobotanical Study Of medicinal plant <i>Urtica dioica</i> L. (nettle).	Dr. Guediri Imane	University of El Oued
<b>P43</b>	Effect of seeding dates on vegetative growth and yield components of three varieties of pearl millet ( <i>Pennisetum glaucum</i> (L.) R. Br.)	Dr. Guerinik Hanane	University of El Oued
<b>P44</b>	Valorization of Spent Coffee Grounds: A Sustainable Source of Bioactive Additives for Cosmetic Innovation	Dr. Hachani Soumaya	Research Unit in Medicinal Plants, Biotechnology Center CRBt
<b>P45</b>	<i>Pimpinella Anisum</i> Essential Oil as a Potential Therapeutic Agent Against Pesticide-Induced Kidney Injury in Wistar Rats	Dr. Hadji Dallal	University of Tebessa
<b>P46</b>	Ethnobotanical Survey of Wild Medicinal Plants for Irritable Bowel Syndrome Treatment in Oued Souf , Algeria,	Dr. Hamada Samra	University of El Oued
<b>P47</b>	Ethnobotanical Survey of Complementary Plants for Lung Cancer Chemotherapy in El-Oued, Algeria,	Dr. Hamada Samra	University of El Oued
<b>P48</b>	Organ-Specific Bioactive Potential of <i>Retama</i> Species: A Sustainable Biorefinery Approach for Valorizing Algerian Semi-Arid Shrubs	Dr. Hassiba Bokhari	University of Oran
<b>P49</b>	Biotechnological potential of <i>Mentha piperita</i> L. Extract-derived biomolecules in enhancing the nutritional and physicochemical quality of postharvest tomato	Dr. Houari Fatima Zohra	High School of Agronomy Mostaganem
<b>P50</b>	Valorization of <i>Ephedra alata</i> By-Products as Natural Anti-Inflammatory Agents: A Carrageenan-Induced Model	Dr. Houmri Nawal	University of El Oued
<b>P51</b>	Therapeutic Potential of <i>Calligonum comosum</i> in Mitigating Pregabalin-Induced Toxicity: A Combined Chemical, In Vivo, and In Silico Study	Dr. Ibtissam Laib	University of El Oued
<b>P52</b>	Optimization of Anti-Phytopathogenic Molecule Production (Pyocyanin and Pyoverdine) by a Rhizospheric <i>Pseudomonas aeruginosa</i> Isolated from an Oasis in Adrar	Dr. Idder Boubaker	University of Adrar
<b>P53</b>	Phytochemical and biological study of medicinal plant species adapted to desert environments.	Dr. Kaddour Abdelbasset	H.S. of Saharan Agriculture, El-Oued
<b>P54</b>	Molecular Docking and ADME Prediction in the Virtual Screening of Plant Phytocompounds: An Evidence-Based Review	Dr. Karkouri Ilham	University of El Oued
<b>P55</b>	In Vitro Anticoccidial Activity of Hexane Extract from <i>Opuntia Ficus-Indica</i> Seed Cake and GC-MS Profiling	Dr. Kellil Dalia	University of , Khenchela
<b>P56</b>	Impact of Seasonal Variation on Antioxidant and Anti-Inflammatory Potentials of <i>Cistus creticus</i> Extracts	Dr. Khalil Guelifet	Chemistry
<b>P57</b>	Protective Role of Herbal Treatments Against Oxidative Stress-Induced Renal Damage in Experimental Animals	Dr. Khaoula Zeghib	University of El Oued
<b>P58</b>	Valorization of citrus by-products and the antifungal activity of bioactive compounds against <i>Aspergillus niger</i>	Dr. Khelil Meryem Yassamine	University of Biskra
<b>P59</b>	<i>Matricaria pubescens</i> Essential Oils as Potential Inhibitors of Alzheimer's Disease: An Integrated In Vitro and In Silico Study	Dr. Kherraz Khaled	.ENS -Kouba
<b>P60</b>	Phenolic and Lipid Composition of Oilseeds from Southeastern Algeria: Nutritional and Biological Insights	Dr. Lahmadi Bechira	University Kasdi Merbah
<b>P61</b>	Extraction of Curcumin and Study of Its Association with Natural Antibiotics	Dr. Lebbouz Siham	University Ferhat Abbas Setif-1
<b>P62</b>	Evaluation of the Biological Activity of a Medicinal Plant Extract Obtained by Ultrasound-Assisted Extraction	Dr. Lebbouz Siham	University Ferhat Abbas Setif-1
<b>P63</b>	Antioxidant effects of water-soluble polysaccharides from <i>Plantago albicans</i> L. (Plantaginaceae)	Dr. Mehellou Zineb	University of El Oued
<b>P64</b>	Valorisation des coproduits de céréale pour la production de bioéthanol	Dr. Messaoudi Houria	LRNS university of Adrar
<b>P65</b>	Evaluation of the Mineral Composition and Nutritional Value of <i>Matricaria chamomilla</i> L. Wild-Growing in Northern Algeria Using INAA and ICP-OES Techniques	Dr. Mohammed Messaoudi	.ENS -Kouba

<b>P66</b>	Development And Evaluation of a Polyherbal Cream For Skin Burn Treatment	Dr. Namoussa Tedjani Yahia	University of El Oued
<b>P67</b>	From Traditional Knowledge to Scientific Rationale: Ethnopharmacological Insights into Medicinal Plants with Potential Gastroprotective Properties	Dr. Naoual Zemmouli	University of El Oued
<b>P68</b>	Quantitative Evaluation of Leaf and Stem Fiber in Three Native Algerian Plant Species	Dr. Norelhouda Kraifi	University of Oran
<b>P69</b>	Phytochemical Profiling and Antioxidant Potential of the Halophytic Plant Suaeda vera	Dr. Ouafa Zouari Ahmed	University of El Oued
<b>P70</b>	Valorization of Pistacia lentiscus L. Oil as a circular bioeconomy solution for the sustainable control of avian coccidiosis in Algeria	Dr. Rahmani Abderrahmen	Biotechnology Research Center
<b>P71</b>	Ethnobotanical survey of medicinal plants used during the COVID-19 epidemic in the Sahara of Algeria	Dr. Ramdane Farah	University of El Oued
<b>P72</b>	Bio-Prospecting of Algerian Eucalyptus camaldulensis Essential Oil: Yield Analysis, Chemical Synergy, and Eco-Friendly Control of Cydia Pomonella	Dr. Riyadh Rahmouni	University of Mohamed Khider
<b>P73</b>	An anti-moth of the essential oil of the medicinal plant mentha longifolia on the date moth (Ectomeyloi Ceratoniae Zeller)	Dr. Said Touati	University of El Oued
<b>P74</b>	Theoretical investigation of bioactive molecule (properties, molecular docking and inclusion complexes)	Dr. Samah Hadjar	Chikh Larbi Tbessi University
<b>P75</b>	Integrated Phytochemical and Pharmacological Investigation of the Anti-Inflammatory Potential of Cucurbita maxima Leaf Aqueous Extract	Dr. Sara Bahemmi	University of Ouargla
<b>P76</b>	Study of the Antioxidant Activity of Phenolic Extracts From Two Medicinal Plants of the Northern Sahara	Dr. Soumia Hadjadj	Université Ouargla
<b>P77</b>	Olive leaves (Olea europaea L.) as a bioactive source: evaluating the therapeutic potential of polyphenolic and alkaloid extracts	Dr. Tlili Mohammed Laid	University of El Oued
<b>P78</b>	Clinical Potential of Essential Oils from Aromatic Plants in the Management of Dyspepsia and Gastrointestinal Bloating	Dr. Toumi Ikram	University of El Oued
<b>P79</b>	Contribution to the study of water-soluble polysaccharides of Citrullus colocynthis L. collected in the El-Oued region (Algerian Sahara): biological activities	Dr. Youmbai Asma	University of El Oued
<b>P80</b>	Effect of enrichment with bioactive substances from Berberis vulgaris on the antioxidant and antibacterial profiles of Opuntia ficus-indica vinegar	Dr. Zouaghi Nafila	ENS Kouba, Algeria.
<b>P81</b>	Oak (Quercus spp.) Biochar as a plant byproduct for enhancing crop productivity and carbon sequestration in sustainable agricultural systems	Dr. Yacine Torche	University of Mila
<b>P82</b>	Sustainable Utilization of Agricultural Residues for the Production of Cellulose-Based Materials	Dr. Bachie Ben Seghir	University of El Oued
<b>P83</b>	Valuation of the bioinsecticidal effect of plant waste	Dr. Bouchareb radia	University of Constantine
<b>P84</b>	Impact of Water Treatment Methods on Plant Protection and Agricultural Productivity	Dr. Biki Abdelmalek	University of El Oued
<b>P85</b>	Eco-Friendly Core-Shell Nanocomposite through Sustainable Plant-Mediated Synthesis: Highly Efficient Photocatalytic Wastewater Treatment	Dr. Abderrhmane Bouafia	University of El Oued
<b>P86</b>	Multiparametric Evaluation of Water Quality in Two Lakes (Lac Chott & Chott Diba) in the Northeastern Algerian Sahara, El Oued	Dr. Alayat Moufida Saoucen	University of El Oued
<b>P87</b>	Impact of irrigation water salinity on water management and durum wheat yield in arid areas : an approach using the AquaCrop model	Dr. Amirouche Mawhoub	University of Saad Dahlab
<b>P88</b>	Evaluating Groundwater and Treated Wastewater for Tomato (Solanum lycopersicum) Irrigation in Arid Environments: Effects on Growth Performance and Nutritional Quality	Dr. Bekrar Younes	University of Bordj Bou Arréridj
<b>P89</b>	Spatial Evolution of Phreatic Groundwater Levels in the Oued Souf Region Based on Historical Piezometric Data	Dr. Benlamnour Atef	University of Ouergla
<b>P90</b>	Advanced Water Management and Smart Irrigation Techniques in Algerian Agriculture	Dr. Boulahia Lazhar	University of Ouergla
<b>P91</b>	Corrélation between the physicochemical properties of irrigation waters and the végétative and qualitative performance of arboreal fruit corps: case Khenchela (Algeria)	Dr. Farroudj Amira	University of Skikda
<b>P92</b>	Assessment of irrigation water quality in the Lioua region (Biskra, Algeria)	Dr. Hiouani Fatima	University of Biskra
<b>P93</b>	Assessing the quality of treated wastewater for irrigation: case study of Kais wastewater treatment plant (WWTP)	Dr. Khelif Safia	Université Batna 1
<b>P94</b>	Water governance as a mechanism to enhance climate resilience and achieve sustainable water resource management	Dr. Khezazna AMINA	University of El Oued

<b>P95</b>	Assessment of the water quality of Lake Ayata and its importance for sustainable agriculture	Dr. Laabed soumeya	University of El Oued
<b>P96</b>	Development and Characterization of a Chitosan/Bentonite/Gelatin Composite Crosslinked with PVA for the Removal of Aqueous Pollutants: An Experimental and Theoretical Study Using RSM, ANN, and DFT	Dr. Larbi Haddad	University of El Oued
<b>P97</b>	Antibacterial Properties of SnO <sub>2</sub> Thin Films for Water Treatment and Plant Protection	Dr. Leila Touati Tliba	University of El Oued
<b>P98</b>	Groundwater Quality Assessment and Irrigation Suitability in the Leghrous Region, Biskra (Algeria)	Dr. Madani Djamila	University of M'sila
<b>P99</b>	Development of a Wastewater Filtration System for Agricultural Irrigation Using Nanoparticles Derived from Date Pits	Dr. Maouche Nour El Imane	University of El Oued
<b>P100</b>	Hydro-Agricultural Developments in the Sahara	Dr. Abdelhafid Sebihi	University of Gardaria

Wednesday, April 22<sup>nd</sup>, 2026

## 2<sup>nd</sup> Poster Session

**Theme: Biodiversity for Sustainable Agriculture (p1 – p 40)**

**Moderator:** Prof. Ismail Acila, Dr. Gherib Amina, Dr. Ayada Slimane Ahmed Benmchih

Time	09:30-10:30		
N°	Title	Main Author	University
P01	Diversity and life-history attributes along several agroecosystems (Tebessa, Eastern Algeria): the ground beetle communities as a model of study	Dr. Amri Cherine	University, Tebessa
P02	Assessment of environmental quality in agricultural and forest landscapes of Tebessa (Eastern Algeria) using the Mean Individual Biomass (MIB) index: Carabid beetles as bioindicators	Dr. Amri Cherine	University, Tebessa
P03	Bio-surveillance of Fruit Flies in a Pomegranate Agroecosystem in M'sila (Algeria)	Dr. Aouari Ibtissam	University Mohammed Boudiaf
P04	Multivariate Characterization of Soil Salinity and Fertility Gradients in Northern Saharan Wetlands (Algeria) Informed by PCA, PAM Clustering, and Random Forest Validation	Dr. Bariza Belirughi	University of El Oued
P05	Influence of soil biological crust on plant productivity in desert ecosystem	Dr. Benhamza Hayet	University of El Oued
P06	Biodiversity as a Tool for Climate-Resilient and Sustainable Agriculture	Dr. Benyahia Abir	University of Ouargla,
P07	Eco-Friendly Valorization of Agricultural Waste: Transforming Pomegranate Peels Into Sustainable Environmental Solutions	Dr. Berri Reguia	University of El Oued
P08	Hypolipidemic effect of an Algerian Mushroom	Dr. Bouasria Marwa	University of Oran
P09	Pharmacological and Ethnobotanical Study of Three Medicinal Plants in the Wilaya of Tizi-Ouzou	Dr. Boumaza Sarah	University of Bumerdes
P10	Computational screening of eco-friendly plant protection agents against plant viral pathogens	Dr. Dalal Harkati	University of Biskra
P11	Harnessing Cactus Root Endophytes for Wheat Resilience: <i>Pseudomonas putida</i> and <i>P. brassicacearum</i> Mitigate Drought Stress and Enhance Growth	Dr. Draou Nassima	USTOMB Université ORAN
P12	Dietary analysis of the common kestrel ( <i>Falco tinnunculus</i> Linnaeus, 1758) in the hyper-arid Souf region of southeastern Algeria: ecological role of a raptor in a fragile desert ecosystem	Dr. El Amine Khechekhouché	University of El Oued
P13	Impact Of Partially Treated Water From Oued Gourzi Effluent Of Batna Town On Physicochemical Characteristics Of The Soil And Earthworm Population In Irrigated Area	Dr. Ghanem Nadra	Batna2 University
P14	Effect of Humidity, Temperature, and Pollution on Air Quality Using Two-Way ANOVA, G. Laid	Dr. Ghemam Hamed Laid	University of El Oued
P15	Performance Enhancement of a Fin-Enhanced Solar Air Collector for Sustainable Thermal Applications	Dr. Gheraissa Nadjet	University of El Oued
P16	Influence of Palm Grove Maintenance Gradient on Arthropod Diversity and Distribution	Dr. Guechef Zahra Hadda	University of El Oued
P17	Potentialities of quinoa cultivation in southern Algeria	Dr. Habbas Mahdjouba	University of Biskra
P18	Biodiversity for Sustainable Agriculture	Dr. Hanane Labeled	University of Constantine
P19	Effect of pesticide use on a lizard population, <i>Scincus scincus</i> in the El Oued region	Dr. Hayet Laoufi	University of El Oued
P20	Evaluation of Eco-Urbanism in an Arid Region: The Case of the University of Adrar Site	Dr. Idder Boubaker	University of Ahmed Draia Adrar
P21	Interspecific genetic diversity in Algerian forage legumes: a case study of selected populations of the genus <i>Lathyrus</i>	Dr. Karima Bouchemal	Université Constantine 1
P22	Steppe Biodiversity and Multi-Species Grazing for Sustainable Sheep Farming	Dr. Lasga Habib	N.H.S.of Agronomy, El Harrach,
P23	Integrated Pest Management against Olive Pests: Key to Sustainable Olive Growing and Water Preservation in M'Sila	Dr. Leila Attallaoui	University of M'sila
P24	The Ecological Role of Scorpion Biodiversity in Saharan Agro-ecosystems in the region of Oued Righ ( M'rara)	Dr. Menacer Nadia	University of El Oued

<b>P25</b>	BIOPOLI+: Valorization of Microflora for Sustainable Agriculture	Dr. Meroua Ouakkal	University (USTHB)
<b>P26</b>	Biodiversity of arthropod fauna in agricultural and natural environments in the Algerian Sahel	Dr. Nadji Fatma Zohra	High School Laghouat
<b>P27</b>	Diversity and Floral Preferences of Wild Apoidea in the Khenchela Region (Algeria)	Dr. Noudjoud Maghni	University of Khenchela
<b>P28</b>	Combined effects of salinity (NaCl) and lead (Pb(NO <sub>3</sub> ) <sub>2</sub> ) on the morphophysiological and biochemical responses of <i>Atriplex canescens</i> (Pursh) Nutt.	Dr. Ouaini Abderrahmane	University of Adrar
<b>P29</b>	Evaluation of the therapeutic potential of <i>Salvia rosmarinus</i> against sodium nitrate-induced damage: comparative study with vitamin C on cardiac and pulmonary organs	Dr. Siad Reguia	University of El Oued
<b>P30</b>	Arthropod Biodiversity in the Touat Region (Adrar)	Dr. Sidamar Ahmed	University of Adrar
<b>P31</b>	Mushrooms, food products and protectors of forest ecosystems	Dr. Youcef Khoudja Lounis	Setif University
<b>P32</b>	Converting vegetable organic waste into nano silica particles: water treatment as an application	Dr. Zeghoud Soumeia	University of El Oued
<b>P33</b>	Evaluation of the Insecticidal Activity of Aqueous and Essential Oil Extracts of <i>Eucalyptus</i> as Eco-Friendly Pest Control Agents	Dr. Zeid Alia	University of El Oued
<b>P34</b>	Is there a relationship between palm grove management and the diversity of carabid beetles in the region of Oued Souf (Algeria)?	Dr. Ithar Bouraga	Ouargla University,
<b>P35</b>	Sustainable management of agricultural waste (Potato waste) in the régime on of Oued Souf	Dr. Belahcene Samira	University of El Oued
<b>P36</b>	Evaluation of Dried Abattoir Blood as a Soil Amendment and Its Potential to Enhance Plant Tolerance to Salinity Stress	Abderrahmane Rezig	University of El Oued
<b>P37</b>			

Thursday, April 23<sup>rd</sup>, 2026

## 3<sup>rd</sup> Poster Session

**Theme: Biotechnological Innovations in Agriculture (p1 – p 30)**

**Moderator** Prof. Ammar Touhami Laiche, Prof. Ifriqya Medila  
, Prof. Ahmed Boulal

**Theme: Water Management (p31-p45)**

**Moderator** Prof. Amara Djilani Ghemam, Khalad Kharaz, Dr. Mehda Ismail,

Time	9:30-10:00		
N°	Title	Main Author	University
P01	Natural Sugar from Phoenix dactylifera Dates as an Alternative Sweetener in Chocolate	Dr. Aicha Tedjani	University of El Oued
P02	Eco-Friendly Galactomannan Films from Retama raetam Seeds as Functional Cheese Packaging Materials	Dr. Aicha Tedjani	University of El Oued
P03	A Sustainable Path to Bioactive Phenols from Retama raetam via Subcritical Water Extraction	Dr. Benmerzoug Abdelmoumen	High School Ouargla
P04	Adapted Composting Practices for Cereal Crops within a Sustainable Agri-Tech Approach	Dr. Bentahar Soumia	University of Houari Boumediene USTHB
P05	Biotechnological strategies to improve faba bean productivity under saline irrigation conditions.	Dr. Bouras Djahida Amel	University of Oran 1
P06	Pseudomonas Rhizobacteria: A Strategy to Enhance Forage Nutritional Quality and Resilience	Dr. Debbah Yousra	University Saad Dahleb Blida
P07	Neuroprotective Potential of a Medicinal Plant Essential Oil: Chemical Profiling and Integrated In Vitro, In Vivo, and Computational Evaluation Against Alzheimer's Disease	Dr. Habiba Haddad	ENS Kouba
P08	Biologically Based Mitigation of Pesticide Mixture-Induced Reproductive Toxicity: Mechanistic Insights Into Urtica Dioica Modulation	Dr. Hamza Aouni	University Tebessa
P09	Endocrine Disruption: the Molecular Interactions of Penconazole Fungicide with Thyroxine-Binding Globulin and Thyroid Hormone Receptors	Dr. Hedoud Hadjer	University of El Oued
P10	Phytochemical profiling and biological potential of Tribulus terrestris L.	Dr. Henni Meriem	University of El Oued
P11	Allelopathic Potential of Essential Oils from Eucalyptus camaldulensis and Salvia officinalis as Natural Herbicides for Weed Control	Dr. Kadri Mounira	University of El Oued
P12	Effect of salt stress on the germination and growth of some local varieties of durum wheat in the Souf and Oued Righ region	Dr. Khouazem Bachir	University of El Oued
P13	Physicochemical and microbiological characterization of olive pomace from eighteen oil mills (traditional and modern) in six Algerian regions	Dr. Labdai Nourhane	Bio-Qu-Al Constantine
P14	Enhancing Durum Wheat Growth Using Bacterial Consortia Isolated from Retama raetam: A Sustainable Approach for Arid Agriculture	Dr. Lagmi Israa	University of Oran
P15	Proteus mirabilis strains isolated from Algerian's North-East avian farms: comparative study between their resistance to 19 antibiotics and their sensitivity to the antimicrobial effect of 03 Algerian essential oils	Dr. Mansouri Narimene	Université El-tarf
P16	Biotechnological Evaluation of Thymus serpyllum Essential Oil as a Bio-Insecticide Against Tribolium castaneum	Dr. Mouane Aicha	University of El Oued
P17	Isolation and Microscopic Identification of Major Storage Fungi Associated with Wheat Grains in Adrar, Algeria	Dr. Nour El Houda Mekhadmi	University of El Oued
P18	Enhancing food safety and mitigating pesticide-induced reproductive risks with quercetin	Dr. Ouanassa Atti	University, Tebessa
P19	Exploiting endemic «Trichoderma asperellum» as a biotechnological strategy for sustainable protection of potato crops against bacterial blackleg disease, L.	Dr. Oukina Lamia	University of Blida1
P20	Evaluation of the Efficiency of Microalgal Cyanobacteria Spirulina as a Renewable Biosorbent for Methylene Blue Removal: Analytical Study and Statistical Modeling Using the Box–Behnken Design	Dr. Raouia Lebbihi	Higher School of Saharan Agriculture, El Oued
P21	Pesticide Residues in Open-Field Tomato Crops as Indicators of the Need for Biotechnological and Plant-Based Alternatives in Saharan Agriculture	Dr. Saighi Imane	University Kasdi Merbah Ouargla
P22	Fe-Doped SnO <sub>2</sub> Thin Films as a Unified Solution for Environmental and Agricultural Decontamination	Dr. Segueni Leila	University of El Oued

<b>P23</b>	Safe preservation of agricultural products by solar drying in desert regions: design and implementation of a sustainable system	Dr. Seif Eddine Bousbia Salah	University of El Oued
<b>P24</b>	The effects of environmental factors on the compounds of two varieties of tomato growing in green house and a field	Dr. Siah Sara	University of Constantine1
<b>P25</b>	Sustainable Remediation of Polluted Environments: Insights into Microbial Strategies	Dr. Souhir Youmbai	University of El Oued
<b>P26</b>	Antibacterial Evaluation of Novel pyrimidine and purine linked thiazole derivatives	Dr. Youmbai Rabia	University of El Oued
<b>P27</b>	Pgpr as sustainable biofertilization for potato ( <i>Solanum tuberosum</i> L.) Growth and yield enhancement under reduced chemical inputs	Dr. Rima Hadjouti	Higher School of Saharan Agriculture, El-Oued
<b>P28</b>	Synthesis, In Vitro Anti-Arthritic, Anti-Cancer Studies of N-Ferrocenylmethyl-3-Chloroaniline	Dr. Marwa Djarallah	University of El Oued
<b>P29</b>	Valorization Potential of the Invasive Plant <i>Leucaena leucocephala</i> in Arid Algerian Ecosystems: Phytochemical Composition, Potent Antioxidant, Antibacterial, and Photoprotective Activities	Dr. Amira Korti	University of El Oued
<b>P31</b>	Purifying polluted water with silica nanoparticles extracted from sand in the El-Oued region	Dr. Mesbahi Mohammed Adel	University of El Oued
<b>P32</b>	Assessment of Groundwater Quality for Irrigation Purposes in the Ouargla Basin (Southeastern Algeria)	Dr. Mouane Aicha	University of El Oued
<b>P33</b>	Analysis of Nutrient Salts and Rearing Environment Quality: Indicators for Sustainable Management	Dr. Ouahiba Hammadi	University of Bejaia
<b>P34</b>	Antibacterial and antioxidant activities of the essential oil of <i>Balansea glaberrima</i> (Desf.) Lange is growing in Algeria	Dr. Rahmouni Malika	University of Ferhat Abbas, Sétif
<b>P35</b>	Synthesis and Environmental Applications of Magnesium Oxide Nanoparticles for Sustainable Agriculture: Wastewater Treatment and Heavy Metal Removal	Dr. Sara Aouadi	University of El Oued
<b>P36</b>	Physics-Based Modeling and Optimization of Water Treatment and Irrigation Systems for Sustainable Agriculture in Arid Regions	Dr. Sek Lakhdar	University of El Oued,
<b>P37</b>	Removal of Contaminants from Seawater Using Waste Mineral Adsorbents	Dr. Tabet Amina	University of El Oued
<b>P38</b>	Eco-Friendly Activated Carbon Derived from Pine Cones for the Removal of Organic Dyes from Water	Dr. Yahiaoui Ahmed Abderrahim	Higher Normal School of Technological Education. Skikda
<b>P39</b>	Innovative Use of <i>Moringa oleifera</i> for Sustainable Industrial Water Management	Dr. Yazid Mameri	University of Constantine 3
<b>P40</b>	Assessment of Irrigation Groundwater Quality in Arid Zones Using the IWQI Index and GIS Zoning: Case of the El-Oued Region (Algerian Sahara)	Dr. Zaiz Issam	University of El Oued
<b>P41</b>	Influence of Physico-Chemical Parameters on Phytoplankton Dynamics and the Ecological Quality of Waters in the Koudiet Medaouar Dam (Batna)	Dr. Zereg Salima	University of Batna 2
<b>P42</b>	Impact des fluctuations hydriques sur la survie de palmeraies des Ghouts dans la wilaya d'El Oued	Dr. Zouiouche Fatima.Zahra	University of El Oued
<b>P43</b>	Challenges of Aquifer Management for Saharan Agriculture in Algeria: Towards a Strategy for Sustainable Exploitation	Dr. Youcef Hakimi	University of El Oued
<b>P44</b>			