

People's Democratic Republic of Algeria.

Ministry of Higher Education and Scientific research

Higher School of Agronomy Mostaganem



## International Conference Sustainable Agriculture and the Environment



27-28 May 2024  
Program



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## A. In-Person Oral Presentation

First day: Monday 27 May 2024	
Hour	Event
08:00-09:00	Registration and Check-in of Participants
09:00-09:30	Opening ceremony
	<b>Keynote Speech:</b> - HSAM Director: Dr. Amar TIAIBA - President of the Event Dr. Hachemi ZAIDI
09:30- 10:00	<b>Plenary Talk : Pr. Piero Attilio BIANCO</b> Phytoplasmas: plant pathogens or insect' symbionts? Milan University, Italy.
<b>Session 01</b> <b>Topic 01 : Management of Fragile Environments and Ecosystem Restoration</b> <b>Moderators : Pr. LARID M ; Pr. BELKHOUDJA M.</b>	
10:00- 10:10	<b>Communication 01 : Ouahid ZANNDUCHE,</b> "Restoration of fragile ecosystems: the case of the dune cord in the wetland complex 'Guerbés sanhadja' Skikda," National Institute of Forest Research, Algeria.
10:10- 10:20	<b>Communication 02 : Oumeldjilali NAGGAR</b> "Growth factors for cork from the Theniet-El-Had cork grove." Higher School of Agronomy Mostaganem, Algeria.
10:20- 10:30	<b>Communication 03 : Mohamed Essalah AZZAOU</b> "Evaluation of the situation of protected steppe reserves and the socio-economic impact in the steppe zone of the wilaya of Tiaret, Algeria." Tiaret university, Algeria.
10:30- 10:40	<b>Communicant 04: Hachemi ZAIDI</b> "Evaluation of biodiversity and phytoecological diagnosis of the Ouled Sidi Yahia forest- Zemmoura, Algeria." Higher School of Agronomy (ESAM) Mostaganem, Algeria.
10:40 – 10:50	<b>Communicant 05: Faiza AMMAD</b> "Effect of <i>Trichoderma</i> sp on the growth of wheat in greenhouses and their ability to colonize roots and substrate." Blida University, Algeria.
10:50- 11:10	<b>Debate</b>
11:10- 11:40	<b>Coffee-break, posters and stands visits</b>

Session 02	
Topic 02 : Food Security in the Context of Climate Change	
Moderators: Pr. BOUDEROUA K ; Pr. BERRAI H.	
11:40- 11:50	<b>Communicant 01: Vishwambhar PRASAD SATI</b> “Climate Change and its Impact on Farming Systems in the Central Himalayan Region, India.” Mizoram University, India.
11:50- 12:00	<b>Communicant 02: Monia BEN HALIMA KAMEL</b> “Ornamental plants and invasive insects”. Institut Supérieur Agronomique (ISA), Université de Sousse Tunisie
12:00- 12:10	<b>Communication 03: Samir ALI-AROUS</b> “Role of Aphids in The Propagation of <i>Citrus Tristeza Virus</i> in Chlef Valley And Identification Of Potential Vectors Of Virulent Strains.”Chelef University, Algeria.
12:10-12:20	<b>Communication 04: Ramdane BENNIOU</b> “Comparative study of the comportment and adaptation of different genotypes durum wheat ( <i>Triticum durum desf</i> ) in a semi-arid area.” M’sila University, Algeria.
12:20 – 12:30	<b>Communication 05: Aldjia OUDJIANE</b> “Impact of climate change on the appearance of a new pest <i>hypocryphalus scabricollis</i> on fig tree in the regions of Bejaia and Tizi-ouzou.” Bejaia University, Algeria.
12:30 – 12:40	<b>Communication 06: Amine GHELAMALLAH</b> “Pesticide management in the Mostaganem region: Situations and Perspectives.” Mostaganem University, Algeria.
12:40-12:50	<b>Communication 07: Vishwambhar PRASAD SATI</b> “Analysis of food security status in Mizoram, eastern Himalaya, India.”Aizawl University, India.
12:50-13:00	<b>Communication 08: Samia GHOMARI</b> “ <i>Chlorella vulgaris</i> , food safety for hens; impact on growth and health”. Sidi Belabes University
13:00 – 13:20	Debate
13:20 – 14:00	Lunch

<p align="center"><b>Session 03</b></p> <p align="center"><b>Topic 03 : Sustainable Agricultural Practices and Biodiversity</b></p> <p align="center"><b>Moderators: Prof. BENHASSAINI H ; Dr. MAHIOUT D,</b></p>	
<b>14 :00– 14 :10</b>	<p><b>Communication 01: Malika KHELLADI</b></p> <p>“Sewage sludge as biological resource for sustainable agriculture.” Oran University, Algeria.</p>
<b>14:10 – 14:20</b>	<p><b>Communication 02: Ikram MADANI</b></p> <p>“Unveiling Root System and root hair Adaptability through Phenotypic Analysis: A Potential Contributor to Target Traits Enhancing resistance to Low Nutrient Environments.” Oran University, Algeria.</p>
<b>14:20 – 14:30</b>	<p><b>Communication 03: Hassiba BERRAÏ</b></p> <p>“Use of a bioproduct based on starling droppings as a biofertilizer in market gardening.” ENSA El Harrach, Algeria.</p>
<b>14:30 – 14:40</b>	<p><b>Communication 04: Nabila BERRIGHI</b></p> <p>“Impacts of incorporating tomato skin on growth performance and the nutritional quality of milk from cows raised in the west regions of Algeria.” Higher School of Agronomy Mostaganem, Algeria.</p>
<b>14:40- 14:50</b>	<p><b>Communication 05: RACHID Boukhari</b></p> <p>“Native olive varieties in the wilayas of Biskra and Khenchela: study of the diversity and quality of olive oils.” Higher School of Agronomy (HSAM) Mostaganem, Algeria.</p>
<b>14:50– 15:20</b>	<b>Coffee-break, posters and stands visits</b>
<b>15:20 – 15:30</b>	<p><b>Communication 06: Ibrahim Elkhali BENZOHRA</b></p> <p>“Valorization of some trichoderma species to biocontrol the bayoud disease (<i>Fusarium oxysporum</i> F.SP. <i>Albedinis</i>) of date palm (<i>Phoenix dactylifera</i> L)”. Naama, Centre for Scientific and Technical Research on Arid Regions (CRSTRA), Biskra, Algeria.</p>
<b>15:30 – 15:40</b>	<p><b>Communication 07: Leila ALLAL BENFEKIH</b></p> <p>“Impact of a companion plant and an arbuscular mycorrhizal fungus combination on the black <i>Aphis fabae</i> Scop and the parasitoids entomofauna in a semi-natural setting.” Blida University 1, Algeria.</p>

15:40 – 15:50	<b>Communication 08: Mimoun HAMOU.</b> “Sustainable selection strategy for new barley lines using the participatory plant selection method in the semi-arid in West of Algeria.” INRA research station in El Hamadna-relizane, Algeria.
15:50 – 16:00	<b>Communication 09: Nabila BERRIGHI</b> “Growth performance and aromas compounds characteristics of lamb meat fed on dried brewer’s spent grain.” Higher School of Agronomy (HSAM) Mostaganem, Algeria.
16:00 – 16:10	<b>Communication 10: Soumia CHEMOURI</b> “From weeds to a source of nutrients in ruminant feeding: Nutritional value and mineral composition of eighteen weed species growing in citrus orchards in Northwest Algeria” Higher School of Agronomy (HSAM) Mostaganem, Algeria.
16:10 – 16:20	<b>Communication 11: Mohamed ELAFFIFI</b> “Multicriteria evaluation of ruminant rationing holistic approach to animal production” Higher School of Agronomy Mostaganem, Algeria.
16:20- 16:30	<b>Communication 12: BENSaad Raouf</b> Aphids and their predators on apricot orchards in the arid region of Messaad (W. Djelfa). University of Djelfa.
16:30 – 16:40	<b>Communication 13: Zine Eddine LABDAOUI</b> “Study of Citrus Aphids and Abundance Issue of Aphis spiraecola in Mostaganem, Algeria” Higher School of Agronomy Mostaganem, Algeria.
16:40 – 16:50	<b>Communication 14: Younes DJELMOUDI</b> “Valorization of Beneficial Agents Used Against Crop Pests in Greenhouse Cultivation.” Higher School of Agronomy Mostaganem, Algeria.
16:50 – 17:10	<b>Debate</b>
17:10	<b>End of the First Day</b>
20:00 – 22:00	<b>Dinner</b>
<b>second day: Tuesday 28 May 2024</b>	
09:00 – 09:30	<b>Plenary Talk: Pr. Monia BEN HALIMA KAMEL</b> <b>“Experience to biocontrol of brown peach aphid”</b> Institut Supérieur Agronomique (ISA), Université de Sousse Tunisie

Session 04	
Topic 04 : Sustainable Water and Soil Management in Agriculture	
Moderators: Pr. BELHAOUARI B ; Pr. BENKHLIFA M.	
09:30 – 09:40	<b>Communication 01: Abdelkader DEBAB</b> “Wastewater reuse in agriculture”Oran University, Algeria.
09:40 – 09:50	<b>Communication 02: Malika KHELLADI</b> “Influence of temperature on the growth of bacterial flora in wastewater from the Stidia lagoon, Mostaganem.” Oran University, Algeria.
09:50 – 10:00	<b>Communication 03: Nouara DEGUI</b> “Assessment of Zinc Distribution in Arid Soils of Algeria.” Higher National Agronomic School, ENSA, Algeria.
10:00 – 10:10	<b>Communication 04: Abdenour BELAGROUZ</b> “Study of the phynotipical variability of the architecture of the root system in durum wheat ( <i>Triticum durum</i> Desf).” National Higher School of Forestry, Khenchela, Algeria
10:10 – 10:20	<b>Communication 05: Aouatef DRIOUCH</b> “Use wood waste: Characterisation and application in sludge dewatering.”Mostaganem University, Algeria.
10:20 – 10:30	<b>Communication 06: Yahia BOUKHARI</b> “Study of the water needs of citrus fruits in Habra perimeter, wilaya of Mascara.”Mascara University, Algeria.
10:30 – 10:50	<b>Debate</b>
10:50 – 11:10	<b>Coffee-break</b>
Session 05	
Topic 05 : Technological Innovations for Sustainable Agricultural Development	
Moderators: Pr. BELKACEMI L. ; Dr. LABDAOUI D	
11:10 – 11 :20	<b>Communication 01 : Readh CHAIB EDDOUR AHMED</b> “Dried orange Pulp: A Novel Partial Corn Substitute in Broiler Diets.” Higher School of Agronomy (HSAM) Mostaganem, Algeria.

11:20 – 11:30	<b>Communication 02: Ali Karim OUAMER</b> “Applying of digital cartography concepts in the conservation of cartographic and soil legacy heritage salty soils of the Cheliff plains Case of study soils of the saline soils study station of Hamadena in 1956.” Tipaza University, Algeria.
11:30 – 11:40	<b>Communication 03: Kawther HOUANI</b> “Irrigation control using a capacitive humidity sensor in a sodea Hasnaoui nursery.” Sidi Bel Abbes university, Algeria.
11:40- 11:50	<b>Communication 04: Mokhtaria CHELEF</b> “The new alternative different rodenticides for control rodent.” Higher School of Agronomy (HSAM) Mostaganem, Algeria.
11:50- 12:10	<b>Debate</b>
12:10 – 12:20	<b>Conference Closing</b>

## B. Online Oral Presentation

First day: 25 May 2024	
Hour	Event
09:00-09:30	<b>Opening ceremony</b> <b>HSAM director: Dr. Ammar TIAIBA</b> <b>President of the Event Dr. Hachemi ZAIDI</b>
09:30- 10:00	<b>Plenary Talk : Pr. Piero Attilio BIANCO</b> Phytoplasmas: plant pathogens or insect' symbionts? Milan University, Italy.
<b>Session 01</b> <b>Topic 01 : Management of Fragile Environments and Ecosystem Restoration</b> <b>Moderators : Dr. AZZAOUI M. ; Dr. BELAGROUZ A.</b>	
10:00-10:10	<b>Communication 01 : Djamila MADANI</b> “Elimination of a local antiseptic by adsorption on a material of plant origin” University of Tlemcen.

10:10-10:20	<b>Communication 02 : Abdelkrim BENARADJ</b> “Contribution to the phyto-ecological study of <i>Pistacia atlantica</i> Desf. in the Béchar region (South-West Algeria)” Naâma university, Algeria.
10:20- 10:30	<b>Communication 03 : Zine El Abidine FELLAHI</b> “Predicted genetic gain from selection-based index for simultaneous improvement of wheat ( <i>Triticum aestivum</i> L.) traits.” University Mohamed El Bachir El Ibrahimi of Bordj Bou Arreridj, Algeria.
10h:30 – 10:50	<b>Debate</b>
<b>Session 02</b> <b>Topic 02 : Food Security in the Context of Climate Change</b> <b>Moderators : Dr. CHEMOURI S.; Dr. BELLABBES M.</b>	
10:50-11:00	<b>Communicant 01: Hakim HEBAL</b> “Baker’s yeast <i>Saccharomyces cerevisiae</i> production on Mech-degla date waste.” Bejaia University, Algeria.
11:00 – 11:10	<b>Communicant 02: Mohammed DADACH</b> “How can temperatures and seed treatments impact the germination of Carob ( <i>Ceratonia Siliqua</i> L.)? Implications for restoring the mediterranean disturbed habitats.” Bejaia University, Algeria.
11:10 – 11:20	<b>Communicant 03: Karima SIDALI RAMDANE</b> “What importance does marketed water play in the diet of the Algerian population?” BLIDA University 1, Algeria.
11:20 – 11:30	<b>Communicant 04: Fariza BOUSSAD-CHOUDAR</b> “Sweet potato, a crop that challenges the climate” National Institute of Agronomic Research, Algiers. Algeria.
11:30 -11:50	<b>debate</b>
11:50 – 12:10	<b>Break</b>
<b>Session 03</b> <b>Topic 03 : Sustainable Water and Soil Management in Agriculture</b> <b>Moderators : Dr. EL AFFIFI M., Dr. BARKA M.</b>	



12:10-12:20	<b>Communication 01: Chahira Dounia Amel TIGRINE</b> “Salinization risk assessment of irrigated soils in the souf valley (south-east Algeria) using chemical analysis and gis.” Houari Boumediene University, Algeria.
12:20- 12:30	<b>Communication 02: Bouchra DEBASSI</b> “Optimizing Sustainable Agriculture: Analyzing Environmental Impacts of Treated Wastewater Irrigation in a Semi-Arid Context.” Oum El Bouaghi University, Algeria.
12:30- 12:40	<b>Communication 03: Mostefa BENACHERINE</b> “The use of inappropriate methods, essential tools for the assessment of Water Quality for Agriculture - A Comparative Study between the Regions of Collo and Souk Ahras in Algeria.” Oum El Bouaghi University, Algeria.
12:40 – 13:00	debate
13:00 – 14:00	Break
<b>Session 03</b> <b>Topic 04 : Sustainable Agricultural Practices and Biodiversity</b> <b>Moderators: Dr. ALI AROUS S.; Dr. AZZAOUIM.</b>	
14:00- 14:10	<b>Communication 01 : Sabrine SOLTANE</b> “Allelopathy of essential oils for weed control,” Biskra University, Algeria.
14:10- 14:20	<b>Communication 02: Selma BEKKA</b> “Physiological behavior of parsley in the presence of a biostimulant under saline constraint.” Higher School of Food Sciences and Agro-food Industries.
14:20- 14:30	<b>Communication 03: Hafidha BOUCHERIT</b> “Characterization of agricultural production in the oases of Naâma (Algeria).” Naâma University, Algeria.

14:30- 14:40	<b>Communication 04: Amel HAMMOUDI</b> “Phytochemical analysis and solvent effects on insecticidal activity of <i>Ocimum basilicum</i> phenolic extracts.” Boumerdes University, Algeria.
14:40- 14:50	<b>Communication 05: Safia ABLA</b> “Forestry policies and sound management of natural resources in Algeria: the case of the titteri capital.” Algiers University 1, Algeria.
14:50- 15:00	<b>Communication 06: Maroua ALLALOU</b> “Agro-ecological sustainability assessment of dairy cattle farms in arid areas (case of Biskra region).” Biskra University, Algeria.
15:00- 15:10	<b>Communication 07: Bahia LALLOUCHE</b> “Study of morphological variability in quinoa cultivated in the M’sila region.” M’sila University, Algeria.
15:10- 15:20	<b>Communication 08: Samia NOUAR</b> “Study of symbiotic fixing in Feveroil ( <i>Vicia Faba minor L.</i> ) under thermal stress.” Higher National School of Agronomy, Algeria.
15:20- 15:30	<b>communication 09: Khadidja MESSAOUDI</b> “First investigation on phytochemical composition and antioxidant properties of an endemic northern Sahara plant from Algeria: <i>Ononis Aurasiaca</i> .” Biskra University, Algeria.
15:30- 15:40	<b>Communication 10: Djillali MAHDJOUBI</b> “Detection of locust reproduction biotopes through environmental analysis and floristic biodiversity in the Algerian Sahara. “ Higher School of Saharan Agriculture–Adrar.

15:40- 15:50	<b>Communication 11: Fahima OUTTAR</b> “Evaluation of the biocidal potential and the insecticidal activity of repellent plants by physiological responses the locust <i>Schistocerca Gregaria</i> (Forskal, 1775).” Higher School of Saharan Agriculture–Adrar, Algeria.
15:50- 16:10	debate
16:10	End of Online Presentation Session

### C. In-Person Poster Presentation

Session 1 <b>Topic 1: Management of Fragile Environments and Ecosystem Restoration</b> <b>Evaluators: Dr. NAGGAR O ; Dr. GHALEM A</b> <b>Monday 27<sup>th</sup> May, 2024 from 11h10 to 11h50</b>			
A1	Lila BOUZINA	Preparation of an activated carbon by impregnation in phosphoric acid and its use in the elimination of two dyes	Tlemcen University, Algeria
A2	Bakir MOUSSAOUALI	Introduction of new species of Hedysarum genus in forage calendar destined to livestock feed in Ghardaïa region	Ghardaïa, University, Algeria
A3	Sliman BENOUIS	Multiplication by seedling and response to salt stress of carob ( <i>Ceratonia siliqua</i> L.) and <i>Sterculia diversifolia</i>	(CRSTRA) Biskra, Algérie
A4	Ahmed KHELIFAOU	New Hybrid Adsorbents Based on Polyaniline and activated carbon: synthesis, characterization and adsorption of 2,4-Dichlorophenol.	Saida University, Algeria
A5	Fatima GUENFOUD	Valorization of arbuscular mycorrhizal symbiosis in legumes in arid zones (case of Alfalfa)	Laghouat University, Algeria
A6	Oumeldjilali NAGGAR	Dendro-ecological study of cork oak in the Theniet El Had National Park	Higher School of Agronomy, Mostaganem, Algeria

A7	Amina GHALEM	Regeneration of the cork grove after the fire; case of the cork grove of Boumezzrane	Higher School of Agronomy, Mostaganem, Algeria
A8	Amina GHALEM	Impact of the health status of the cork oak tree on cork production	Higher School of Agronomy, Mostaganem, Algeria
A9	Omar EL MECHERI	Overview of the dynamics of erosion under the effect of plant cover along the Oued Fergoug watershed (w. mascara)	Naâma University, Algeria
A10	Samra MOHDEB	Diversity of Diptera in a semi-arid region in the west of Algeria (Tiaret)	Tiaret University, Algeria
<p align="center"><b>Session 01</b></p> <p align="center"><b>Topic 02 : Food Security in the Context of Climate Change</b></p> <p align="center"><b>Evaluators: Dr.; BERBER N; Dr. KHAOCHENE A</b></p> <p align="center"><b>Monday 27th May, 2024 from 11h10 to 11h50</b></p>			
B1	Dounya Zad GHARIANI	Morphological diversity of arbuscular mycorrhizal fungi in the rhizosphere of durum wheat.	National Higher School of Biotechnology, Constantine, Algeria.
B2	Hadyl CHEHAB	Formulation of fish fee with added snail meal for Tilapia	Higher School of Agronomy Mostaganem
B3	Hayet TAKARLI	The nutritional quality of barley before and after traditional fermentation.	Mostaganem University, Algeria.
B4	Ilyes El Hocine NOUAR	Climate variability changes in the vegetation cover, the case of the Sdamas Gherbi forest in the Tiaret Wilaya	Tiaret University, Algeria.
B5	Abdenour BELAGROUZ	Conservation agriculture: preserves natural resources, promotes biodiversity, and reduces the need for labor.	National Higher School of Forestry, Khenchela
B6	Karim BERROUAGUIA	Technological Approaches to Assess Sperm Characteristics in Local Algerian Rabbit Populations Across Varied Environments Temperatures: Zootechnical Aptitude Valorization for Sustainable Agricultural Development	Higher School of Agronomy Mostaganem
B7	Tassadit KOURAT	Adaptation of durum wheat cultivation to future climate change by choosing a sowing date	Higher School of Agronomy Mostaganem

Session 01			
Topic 03: Sustainable Agricultural Practices and Biodiversity			
Evaluators: Dr.; MEHDEB D; Dr. CHADLI A			
Monday 27th May, 2024 from 11h10 to 11h50			
C1	Ibrahim BERKANE	Characterization of tellian agro-system from sustainable rural development perspective: case of the Mina plain (Western Algeria)	Relizane University, Algeria.
C2	Fatma Zohra REKAD	Study of <i>Glycaspis brimblecombei</i> (Hemiptera: Psyllidae) and its natural enemy, <i>Psyllaephagus bliteus</i> on <i>Eucalyptus camaldulensis</i> (Myrtaceae) in the north-west of Algeria	Mostaganem, University
C3	Fatma Zohra REKAD	Identification and pathogenicity of rose black spot pathogen in Algeria	Mostaganem University, Algeria
C4	Hassiba BERRAÏ	Herbicidal effect of starling droppings on weeds: formulation test of a bioherbicide	Higher National School of Agronomy, El-Harrach, Algiers, Algeria
C5	Hibat Errahmen MAZARI	Copper Stress Defense: PGPR Bacteria impact on Wheat Chlorophyll Production	Higher School of Agronomy Mostaganem.
C6	Malika GHELLAI	The study of the morphological, physiological and biochemical responses of <i>Hordeum vulgare</i> L. cultivated in dirty soil and in the presence of two types of bentonite	Relizane University, Algeria.
C7	Marwa BENSLIMANE	Spider biodiversity and importance in agroecosystems of Khemis-Miliana plain (Ain Defla).	Blida University, Algeria
C8	Madjda DJELABAKH	Effect of <i>sinapis arvensis</i> extracts on mealy plum aphid <i>Hyalopterus Pruni</i> in the region of Mitidja.	Blida 1 University, Algeria
C9	Leila OUAFI	Study of the agro-morphologic diversity of some algerian pea ( <i>Pisum sativum</i> L.) genotypes	National Higher School of Marine Sciences and Coastal Management, Algier
C10	Samia GHARBI	Enzyme polymorphism study in <i>Ascochyta rabiei</i>	Mohamed Boudiaf University, Algeria
C11	Rabiaa KOUADRIA	Endophytic fungi: a tool for sustainable agriculture through conferring tomato salt stress tolerance	Higher School of Agronomy, Mostaganem, Algeria
C12	Baya Farah BOUREK	Plant extract as an alternative to chemical pesticides for controlling and preserving agricultural crops	Constantine 1 University, Algeria

C13	Radja BADANI	Aphid Management in Chlef citrus groves: using natural enemies	Chelef University, Algeria
C14	Naouel SEMMACHE	Study of the olive industry in the Mascara region: analysis of potentialities and cultural conduct	Mascara University, Algeria
C15	Imen BENBAHI	Phytochemical study and antioxidant dosage of healthy and diseased leaves of the vine ( <i>Vitis vinifera</i> L)	Mascara University, Algeria
C16	Haïfa BOUDEGGA	<i>Dibrachys</i> sp. and <i>Apanteles gallerinae</i> as endoparasitoïde of <i>Achroia grisella</i> in Tunisian apiraries	High Agricultural Institute of Chott Mariem, Sousse Tunisia
C17	Haïfa BOUDEGGA	Miniinventory of some Hymenoptera insects in a northern region of Tunisia	High Agricultural Institute of Chott Mariem, Sousse Tunisia
C18	Mohammed Nadhir MEBARKI	Effects of soil compaction on grain yield and development of durum wheat depend on penetrometer resistance and soil moisture	Higher school of agronomy, Mostaganem, Algeria.
C19	Smail LAMINE	Impact of margins on the biological, physico-chemical and bacteriological quality of some watercourses in Kabylia (Tizi-Ouzou, Algeria)	Higher school of agronomy, Mostaganem, Algeria.
C20	Chaima BELHOCINE	Influence of dietary inclusion of bentonite and triticale on the productive traits, meat quality, and blood biochemical parameters of Broilers	Higher school of agronomy, Mostaganem, Algeria.
C21	Aicha CHADLI	Study of the biodegradation of glyphosate by bacteria isolated from soil treated with different pesticides.	Higher school of agronomy, Mostaganem, Algeria.

#### Session 02

#### Topic 04: Sustainable Water and Soil Management in Agriculture

Evaluators: Dr. BOUZID K, Dr. KOUADRIA R

Monday 27th May, 2024 from 15h00 to 15h40

D1	Abir TOUMI	Assessment of water quality of a lake hydrosystem intended for agriculture and their impact	Tarf University, Algeria
D2	Kawthar DJEHAF	The water-energy-food nexus in Algeria :current challenges and future opportunities	Sidi Bel Abbes University, Algeria
D3	Kawthar DJEHAF	Synergies in Water Management: Harnessing Reclaimed Urban Water for Agricultural Conservation	Sidi Bel Abbes University, Algeria

D4	Mohamed GORINE	Study of the quality of water used in irrigation in the mina plain	Higher School of Agronomy-Mostaganem, Algeria.
D5	Nessrine BELMILOUD	Evolution of nitrate pollution of groundwater in Middle Western Cheliff.	Chelef University, Algeria
D6	Hachemi ZAIDI	Evaluation of pesticide use on soil health	Higher School of Agronomy-Mostaganem, Algeria
D7	Djamila MEHDEB	Morpho-physiological and biochemical behaviour of two varieties of tomato ( <i>Lycopersicon esculentum</i> Mill.) under saline conditions	Higher School of Agronomy-Mostaganem, Algeria
D8	Noureddine BENGUENOUNA	Valorization of Azolla biomass from the phytoremediation of wastewater as a protein alternative to soy for broiler farming: Characterization and challenges.	Mostaganem University, Algeria
D9	Ali AROUS	Effects of water stress on the cereal sector in Algeria case of durum wheat ( <i>Triticum durum</i> Desf.) in semi-arid zones	Djilali Bounaama University, Khemis Miliana, Algeria.
D10	Ameur ABDELLAOUI	Effects of copper pesticides on microbial soil respiration and feeding activity of soil fauna in tomato field	Higher School of Agronomy-Mostaganem, Algeria
D11	Nassima MESSAOUD	Efficacy trial of <i>Citrus aurantium</i> on <i>Tribolium Castaneum</i> , a stored wheat pest	M'Hamed Bougara University, Boumerdes, Algeria.
D12	Sena BAKHTI	Phytochemical Profiling and Antioxidant Potential of Pomegranate Peel Extracts from Algerian Cultivars	Higher School of Agronomy-Mostaganem, Algeria.
D13	Hadjar BOUKHATEM	Advantages and disadvantages of the two cultivation techniques: semi-direct and conventional plowing and their impacts on the physical, chemical and morphometric parameters of the soil and the plant (crop of soft wheat, <i>Triticum aestivum</i> L.).	Higher School of Agronomy-Mostaganem, Algeria

#### Session 02

#### Topic 05: Technological Innovations for Sustainable Agricultural Development

Evaluators : Dr. CHLEF M; Dr. BERRIGHI N

Monday 27th May, 2024 from 15h00 to 15h40



E1	Fatiha CHAOUI	Effect of the nature of the smoking wood ( <i>Eucalyptus olea</i> )on the improvement of the nutritional and sensory properties and on the suitability for conservation of ( <i>Sardina Pilchardus</i> )	Higher School of Agronomy-Mostaganem, Algeria.
E2	Ahmed CHAIB EDDOUR	Dried orange Pulp: A Novel Partial Corn Substitute in Broiler Diets	Higher School of Agronomy-Mostaganem, Algeria.
E3	Mokhtaria CHELEF	phytochemical screening of a local asteraceae in the Tiaret region	Higher School of Agronomy-Mostaganem, Algeria.
E4	Nabila BELHAMICHE	Biotechnological valorization of olive-cake for extracellular manganese peroxidase by <i>Bjerkandera adusta</i>	Bejaia University, Algeria
E5	Zineb SAADOUNE	Organic waste valorization through composting process: application in germination	Blida 1University, Algeria
E6	Hocine BENDADA	Use of numerical images analysis indices for the selection of tolerant barley ( <i>Hordeum Vulgare L.</i> ) genotypes under semi- arid conditions.	Relizane University, Algeria.
E7	Rafida THELAIDJIA	Precision irrigation management in family farming. Title of participation: Laboratory Calibration and Performance Evaluation of Low-Cost Capacitance Sensors SEN0308 and SEN0193 for Use in Irrigation Management in Family Farming.	Higher School of Agronomy-Mostaganem, Algeria.
E8	Aicha CHADLI	Study of some probiotic properties of lactic strains isolated from cow's milk	Higher school of agronomy, Mostaganem, Algeria.

#### D. Online Poster Presentation

Session 01			
Topic 1: Management of Fragile Environments and Ecosystem Restoration			
A1	Affaf GUERBOUZ	Distribution of Avifaunal Population According to the Urbanization Gradient: Case Study of the Ghardaia Region	Ghardaïa, University, Algeria
A2	Djamila MADANI	Agriculture in steppe zones: poor management of agricultural land, case of southern M'sila	M'sila University, Algeria.
Session 01			
Topic 02 : Security in the Context of Climate Change Food			



B1	Mohammed KHALIL	Combined effects of climate and pests on fig ( <i>Ficus carica</i> L) yield in a Mediterranean region: Implications for Sustainable Agricultural Strategies	Bejaia University, Algeria.
B2	Amina MAZERI	Evaluation of the antifungal potential of <i>Anethum Graveolens</i> L essential oil	Bechar University, Algeria.
<p align="center"><b>Session 01</b></p> <p align="center"><b>Topic 05: Technological Innovations for Sustainable Agricultural Development</b></p>			
E1	Nedjwal MANSOURI	Screening the inhibitory potential of <i>Penicilium</i> sp. metabolites against the plant pathogen fusarium sp.	Higher National School of forests –Khenchela, Algeria
<p align="center"><b>Session 02</b></p> <p align="center"><b>Topic 03: Sustainable Agricultural Practices and Biodiversity</b></p>			
C1	Yousra DEBBAH	the varied effects of diverse beneficial microorganisms as biofertilizers on yield enhancement in <i>Hordeum vulgare</i> L.	Blida University, Algeria.
C2	Narimane BOUZIANE	Phytochemistry components and allelopathic activity of <i>Euphorbia Gyonania</i> L (euphorbiaceae)	Ouargla University, Algeria
C3	Nana LASSAKEUR	Contribution to the study of the biodiversity of earthworms in agricultural farms in western Algeria	Tlemcen University, Algeria
C5	TRAKA Aicha	Optimizing Fusarium wilt management in chickpeas: a comprehensive approach integrating essential oils from aromatic plants and biocontrol agent	Bordj Bou Arréridj University, Algeria
C6	Fatima MERAH	Compost in agriculture and their effect on the environment	Mascara University, Algeria
<p align="center"><b>Session 02</b></p> <p align="center"><b>Topic 04: Sustainable Water and Soil Management in Agriculture</b></p>			
D1	Fahima LAICHE	remediation of agricultural soils contaminated with heavy metals through the interaction between <i>Aporrectodea Aaliginosa</i> and <i>Hordeum vulgare</i> L	Annaba University, Algeria.
D2	Loubna NEFLA	Study of groundwater pollution (north-east Algeria)	Tarf University, Algeria.
D3	Aroussia KHEMIS	Use of dune sand for salt soil amendment in the oases of the ouargla 2.region	Ouargla University, Algeria