



1st NSBPBI Program

Day 1 : Sunday, May 3rd, 2026

- ✚ 08h00: Registration
- ✚ 08h30: Opening Ceremony

09h00 – 11h15: Plenary Conferences (Amphitheater)

Moderators :

Pr. Ratiba BOUSBA & Pr. Radia BOUCHAREB

- ✚ 09H00 – 09H30 : **Keynote 1** : Pr. Abdelhamid DJEKOUN (University Constantine 1 - Frères Mentouri)

09h30 – 10h00 : Coffee Break

- ✚ 10h00 – 10h30: **Keynote 2**: Dr. Abdelkader BENBELKACEM (Institut National de la Recherche Agronomique d'Algérie): Development of new wheat-derived foods of the Mediterranean diet with improved nutritional and health value.
- ✚ 10h30 – 11h00: **Keynote 3**: Pr. Abdelmalik BELKHIRI (Constantine University 3) Défis et perspectives d'avenir de la phytothérapie en Algérie.

11h00 – 11h15: Debate

12h00 – 13h30: Lunch



13H30 – 17H20: Oral Sessions

Session 1: Biodiversity, Biotechnology and Plant Protection (Room 01)

Moderators: Pr. Laid TOUATI & Mr. Kamel KELLOU

13h30 – 13h40: **T1-Or 01**: Abdelfattah GHERIB (Biotechnology research centre -CRBt of Constantine): Valorization of Algerian extreme environment's microalgae for biotechnological applications.

13h40 – 13h50: **T1-Or 02**: Lotfi DERRADJ (Tamanghasset University)

Androctonus tinzaouatinensis sp. nov., A New Scorpion Species from In Guezzam Province, Algeria (Scorpiones: Buthidae).

13h50 – 14h00 : **T1-Or 03**: Ahmed Achraf BENARIOUA (University Constantine 1 - Frères Mentouri) : Germination et valorisation biochimique des graines d'Argousier (*Hippophae rhamnoides*) et Pistachier (*Pistacia vera* L) : une contribution à la conservation de la biodiversité et des ressources naturelles.

14h00 – 14h10 : **T1-Or 04**: Messaouda BELAID (University MHAMED BOUGARA UMBB Boumerdes) : Plantes mellifères de la région de Zemmouri et Annaba par le biais de l'analyse melissopalynologique.

14h10 – 14h30: Debate



14h30 - 14h40: T1-Or 05: Fatma ACHEUK (University MHAMED BOUGARA UMBB Boumerdes): Potentialités insecticides des huiles essentielles de l'Apiaceae: *Ammoides verticillata*

14h40 - 14h50: T1-Or 06: Naima BENKENANA (University Constantine 1 - Frères Mentouri): Orthoptera (Insecta: Orthoptera) as Indicators of Plant Biodiversity and Food Security in Eastern Algeria.

14h50 - 15h00: T1-Or 07: Asma MOUSSOUS (University of Science and Technology Houari Boumediene, Algiers): Fungal promotion of hairy root growth of *Datura* species inoculated with *Trichoderma longibrachiatum* under *in vitro* conditions and comparison with bacterial inoculation.

15h00 - 15h10: T1-Or 08: Sihem AGUIB (University Constantine 1 - Frères Mentouri): Diversity and Efficiency of Insect Pollinators of Apple Tree (*Malus communis* L.) in the Constantine and Mila Regions.

15h10 - 15h30: Debate

Session 2: Bioactive Molecules, Biological Activities and Molecular Modeling (Amphitheater)

Moderators : Pr. Karima KARA, Pr. Ouided BENSLAMA, Dr. Fahima KLIBET, Dr. Ouidad ABDELAZIZ & Dr. Imen BOUCHOUKH

13h30 - 13h40: T2-Or 01: Anfel BENMANSEUR (University of Abderrahmane Mira Bejaia): *Erica multiflora* Mitigates Early Oxidative Stress-Induced β -Cell Dysfunction: Implications for the Initial Stages of Type 1 Diabetes.

13h40 - 13h50: T2-Or 02: Dounia DJABALI (National Higher School Of Biotechnology - Constantine): Utilisation des mucines comme agent gélifiant dans la formulation de nanoparticules de CHITOSANE : étude comparative des systèmes CSNPs-M ET CSNPs-TPP sur les lignées CACO-2 ET HT-29.

13h50 - 14h00: T2-Or 03: Jihane BOUNAAS (University 20 August 1955 Skikda): LC-MS/MS Analysis, Antioxidant Potential, *In Silico* and *In Vitro* Cytotoxicity of Ethyl Acetate Extract of *Centaurea papposa* in Human Hep2 and HCT116 Cell Lines.

14h00 - 14h10: T2-Or 04: Zineb MESSIKH (University Constantine 1 - Frères Mentouri) : Étude phytochimique et valorisation biologique des extraits des noyaux de palmier dattier (*Phoenix dactylifera* L.).

14h10 - 14h20: T2-Or 05: El Hassen MOKRANI (University Constantine 1 - Frères Mentouri) : Étude *In Silico* de l'Inhibition de l'Uréase par les Composés Phénoliques de *Brassica rapa* L. : Approche par Docking Moléculaire.

14h20 - 14h40: Debate

14h40 - 14h50: T2-Or 06: Ilham BOULHISSA (Jijel University): Inhibition of CK2 anti apoptotic enzyme: a molecular modelling study.

14h50 - 15h00: T2-Or 07: Hadjar BRIK (University of Batna 2): Phytochemical Characterization and Antioxidant Potential of *Vicia sativa* subsp. *amphicarpa* from the Aurès Region (Algeria): HPLC Profiling and Molecular Docking Insights.

15h00 - 15h10: T2-Or 08: Scheherazed DAKHMOUCHE (University Constantine 1 - Frères Mentouri): Sustainability Production of Industrially Relevant Enzymes from Orange Waste: Process



Optimization Using Response Surface Methodology.

15h10 - 15h20: T2-Or 09: Mohamed Khaled BELATEL (Ferhat Abbas University Setif 1): Phytochemical profiling and *in vitro* biological evaluation of algerian *Crataegus azarolus* L. fruits: antioxidant, anti-inflammatory, and anti-urolithiatic potential.

15h20 - 15h30: T2-Or 10: Nazli NACERBEY (École Nationale Supérieure Agronomique) : Etude ethnobotanique, phytochimique et microbiologique du Caprier *Capparis spinosa* L.

15h30 - 15h50: Debate

15h50 - 16h00: T2-Or 11: Rahma GUEMMAZ (University of Batna 2): Evaluation of some biological activities of *Hyoseris radiata* L.

16h00 - 16h10: T2-Or 12: Nadia ZEGHAD (University Constantine 1 - Frères Mentouri): Exploring the Therapeutic Potential of *Ziziphus lotus*: Phytochemical Profile and Gastroprotective Effects.

16h10 - 16h20: T2-Or 13: Nadia ZEGHAD (University Constantine 1 - Frères Mentouri): A Review of the Biopharmacological Potential of *Centaurea acaulis* and *Quercus infectoria*

16h20 - 16h30: T2-Or 14: Sihem HALMI (University Constantine 1 - Frères Mentouri): Contribution to the study of the biological effects of *Ononis natrix* extract in an animal model.

16h30 - 16h40: T2-Or 15: Ouisseme BELGHIT (Ecole Normale Supérieure de l'Enseignement Technologique- Skikda): Qualitative analysis of biomolecules in the aqueous extract of *Lavandula stoechas*.

16h40 - 16h50: T2-Or 16: Aicha MADI (University Constantine 1 - Frères Mentouri): Phytochemical Profiling, *In Vitro* and *In Vivo* Assessment of Antioxidant and Hypoglycemic Activities of plant Leaf Extract from EL Oued region (Algeria).

16h50 - 17h00: T2-Or 17: Khadidja LOUCIF (University of Batna 2): Antibacterial Potential of Marine Algae Extract: A Molecular Docking Study.

17h00 - 17h20: Debate



10H00 - 10H45: Poster Session 1

(From **T1-P01** to **T1-P17** / **T2-P01** to **T2-P28**)

Moderators:

Topic 01: Pr. Naima BENKENANA, Pr. Dounia HAMMOUDA & Dr. Yamouna LOUALI

Topic 02: Dr. Nabil BOUDERSA, Dr. Mohamed Badereddine MOKHTARI & Dr. Hind LEGHLIMI

13H30 - 14H15: Poster Session 2

(From **T1-P18** to **T1-P34** / **T2-P29** to **T2-P56**)

Moderators:

Topic 01: Pr. Sihem AGUIB, Dr. Adra MOUELLEF & Dr. Amina KHENNAOUI

Topic 02: Dr. Cherifa AGGOUN, Dr. Sihem HALMI & Dr. Sabar MESSAOUDI

15h10 - 15h55: Poster Session 3

(From **T1-P35** to **T1-P55** / **T2-P57** to **T2-P88**)

Moderators:

Topic 01: Pr. Ghania CHAIB, Pr. Mouad BOULACEL & Dr. Karima BOUCHEMAL

Topic 02: Dr. Esmâ BAKIRI, Dr. Aicha MADI & Dr. Nadia ZEGHAD



Day 2: Monday, May 4th, 2026

📌 08h30: Registration

09H00 – 10H20: Plenary Conferences (Amphitheater)

Moderators: Pr. Ratiba BOUSBA & Dr. Nadia BOULELOUAH

09h00 – 09h30 : Keynote 1: Dr. Nadia BOULELOUAH (Batna 1 University) : Digitalisation de la filière céréalière pour l'optimisation du rendement et de la qualité.

09h30 – 10h00 : Keynote 2: Pr. Fouzi BENBRAHIM (Ecole normale supérieure de Ouargla, Algeria) : دور التحول الرقمي في تطوير المنظومة الزراعية وتحقيق الأمن الغذائي

10h00 – 10h20: Debate

10h20 – 10h50: Coffee Break



10H50 – 12H20: Oral Sessions

Session 3: Food Security and Biotic and Abiotic Stress in Plants (Room 01)

Moderators:

Dr. Rym Tinhinen MAOUGAL, Dr. BAAZIZ Karim & Mr. Mahmoud TEMAGOULT

10H50 – 11H00: T3-Or 01: Esmat TORCHE (University 08 May 1945 Guelma): Etude de l'effet du stress hydrique et thermique sur la croissance de la plante légumineuse *Pisum sativum* L. et sur l'interaction symbiotique avec les bactéries fixatrices d'azote.

11H00 – 11H10: T3-Or 02: Nour El Imene BRAHMI (National Higher School of Technology and Engineering- Annaba): Life cycle assessment of particulate matter formation potential in ammonia production: implications for abiotic stress in agricultural systems.

11H10 – 11H20: T3-Or 03: Rayene AOUAR (University Constantine 1 - Frères Mentouri) : Effect of rhizospheric bacteria on wheat (*Triticum durum*) cultivated under water stress conditions.

11H20 – 11H30: T3-Or 04: Ahlam KHALLEF (University 08 May 1945 Guelma): A Sustainable Nanoformulation of Lemon Essential Oil (CL-ZnO-NPs) as a Potent Strategy to Control *Alternaria* spp. and Boost Defense Responses in Date Palm.

11H30 – 11H40: T3-Or 05: Bilal BOUFEKANE (University of Ain Temouchent Belhadj Bouchaib) : Assessment of Metal Contamination Levels in Marine Fauna and Flora along the Ain Temouchent Coastline: Case Study of the *Salema Sarpa salpa* (Linnaeus, 1758) and the Seagrass Meadow *Posidonia oceanica* (L.) Delile, 1813.

11H40 – 11H50: T3-Or 06: Amina BEKKOUCHE (University of Medea): Impact of biotic and abiotic stress on food security: an emerging threat.

11h50 – 12h20: Debate



University Constantine 1 - Frères Mentouri, Algeria
 Faculty of Natural and Life Sciences - Department of Plant Biology
 Laboratory of Genetics, Biochemistry and plant Biotechnology (GBBV)
1st National Seminar on Biodiversity Plant Biotechnology and Innovation (1NSBPBI)



Session 4: Smart Agriculture and Digital Technology (Room 02)

Moderators: Dr. Aouatef CHAIB & Dr. Mohamed GANA

10H50 – 11H00: T4-Or 01: Kahina DJAOUD (University of Bejaia): From agri-food waste to green biodegradable packaging

11h00 – 11h10: Debate



10H50 – 11H15: Poster Session 1

(From T3-P01 to T3-P22/ T4-P01 to T4-P05)

Moderators:

Topic 03: Dr. Sana GHORRI, Dr. Chourouk HAMLIA & Dr. Ouafa BENSSERADJ

Topic 04: Dr. Nadia Sandra KACEM & Dr. Ihsen Rokia AMINE KHODJA

12h20-13h20: Closing Ceremony

13h20 – 14h30: Lunch



Poster Program

Day 1: Sunday, May 3rd, 2026

10H00 - 10H45: Poster Session 1

Moderators:

Pr. Naima BENKENANA, Pr. Dounia HAMMOUDA & Dr. Yamouna LOUALI

Topic 01: Biodiversity, Biotechnology and Plant Protection

T1 P01	Chaima LABADLA Monitoring biodiversity and ecosystem health in an artificial wetland: the Beni Haroun dam
T1 P02	Hichem RAIS Predicting current and future habitat suitability of <i>Quercus afares</i> under climate change in Algeria
T1 P03	Noureddine LACHI The Biodiversity of springtails (Hexapoda : Collembola) in Oak forest of Tassadan Haddada, Mila
T1 P04	Esma RAMDANE Phytochemical Profiling and Antioxidant Potential of a Plant Species Adapted to Arid Regions of Algeria.
T1 P05	Messaoud BENSALÉM Assessment of diversity and adaptability of sunflower (<i>Helianthus annuus</i> L.) Varieties in setif, Algeria based on agro-morpho-phenological traits.
T1 P06	Fatiha BOUOUZA Comparative Evaluation of <i>Eucalyptus Gobulus</i> Essential Oil Efficacy as a Natural Alternative to Conventional Antibiotics.
T1 P07	Ibtissem CHAIB Fungal biodiversity in fig tree rhizosphere soil as a potential source of industrial enzymes
T1 P08	Nora MAHFOUF Valorizing Aquaponics for Food Security and Sustainable Water Management: An Innovative Approach in Plant Biotechnology in Algeria.
T1 P09	Randa BENABDALLAH <i>Salmonella</i> health risks from turtles and tortoises.
T1 P10	Meriem BOUKABACHE Sustainable pest control: assessing binary terpene combinations and pyrethroid synergy in <i>Spodoptera frugiperda</i> (fall armyworm) management.
T1 P11	Imane MEDOUKALI Genetic Diversity in Algerian Medicago polymorpha by morphological, biochemical and molecular markers.
T1 P12	Roumaissa BELMALLEM Sustainable Management of <i>Botrytis cinerea</i> in Strawberry Using a Rhizosphere-Derived <i>Bacillus pumilus</i> Strain
T1 P13	Ouidad ABDELAZIZ A Biological Control Method for Black Bean Aphids Employing Fungal Pathogens
T1 P14	Aziz MELIANI Etude prospective des potentialités de plantation de l'arganier (<i>Argania spinosa</i> L.) dans la wilaya de Constantine
T1 P15	Khalida FRAHTIA Diversity And Community Structure Of <i>Rhopalocera</i> (Lepidoptera) In Two Contrasting Urban Habitats Of Constantine (Northeast Algeria): A Bioindicator Approach.



T1 P16	Nawel AOUAIDJIA Effect of Spent Coffee Grounds (SCG) as Soil Amendment on Growth Characteristics of Wheat (<i>Triticum aestivum</i>) and Lentil (<i>Lens culinaris</i>): A Field Study in Northeastern Algeria
T1 P17	Mohamed GANA Diversité structurale et floristique des peuplements forestiers de la région du Djebel Ouahch, Constantine, Algérie.

10H00 - 10H45: Poster Session 1

Moderators:

Dr. Nabil BOUDERSA, Dr. Mohamed Badereddine MOKHTARI & Dr. Hind LEGHLIMI

Topic 02: Bioactive Molecules, Biological Activities and Molecular Modeling

T1 P01	Fahima KLIBET Exploration du potentiel cytoprotecteur et curatif de <i>Laurus nobilis</i> L. sur la colite ulcéreuse chez le rat.
T1 P02	Sara BOUZENZANA Disruption of mitochondrial bioenergetics links oxidative stress-mediated apoptosis to hepatorenal injury following sub-chronic exposure to titanium dioxide nanoparticles
T1 P03	Rachid KITOUNI LC-HRMS/MS Profiling of Polyphenolic Compounds in <i>Asphodelus fistulosus</i> Roots
T1 P04	Samira BENDJEDID Bioactive Composition and Antibacterial Potential of <i>Curcuma zedoaria</i> Tuber Extract Identified by GC-MS Analysis
T1 P05	Fatiha BOUOUZA Comparative Evaluation of <i>Eucalyptus globulus</i> Essential Oil Efficacy as a Natural Alternative to Conventional Antibiotics
T1 P06	Ouafa BENSERRADJ Contribution à la lutte biologique contre les maladies fongiques de l'orge par l'isolement et l'identification des champignons antagonistes
T1 P07	Foued DJENHI Caractérisation chimique de l'extrait méthanolique du safran algérien et évaluation de son potentiel antilipasique par approches <i>in vitro</i> et <i>in silico</i> .
T1 P08	Soumia TENIOU Evaluation of the anticholinesterase effect of the alkaloid extract of the edible mushroom <i>Pleurotus eryngii</i> from northeastern Algeria
T1 P09	Imane BOUCHOUKH Évaluation <i>in vivo</i> de l'activité anti-diabétique de l'extrait foliaire d' <i>Olea europaea</i> L.
T1 P10	Maria SMATI Mediterranean <i>rhizospheric actinobacteria</i> : Bioactive metabolites, biological activities, and molecular modeling prospects
T1 P11	Rofaida MESSALEM Sub-chronic assessment, anti-inflammatory, anticancer and antioxidant effects of <i>juniperus oxycedrus</i> extract: <i>in vivo</i> , <i>in vitro</i> , and <i>in silico</i> studies
T1 P12	Heyem ZAUI Exploring Bioresources: Phenolic and Flavonoid Contents and Antioxidant Activity of n-butanolic extract of <i>Pallenis</i> sp
T1 P13	Sara Ghozlane ATTAR Valorisation de résidus agro-industriels pour la production de xylanase : une approche innovante en biotechnologie végétale.



T1 P14	Malika BENHAMMADA Development and characterisation of a natural plant-derived peeling formulation: evaluation of biological activities.
T1 P15	Imane AISSOUS Antioxidant Activity And Phytochemical Profiling Of <i>Ziziphus Lotus</i> Collected From The Mila Region: A Preliminary Study
T1 P16	Hanene BOUDERBANE Evaluation de l'effet anti-Butyrylcholinesterase des extraits des feuilles de la plante Algérienne <i>Zizyphus lotus</i> .
T1 P17	Meriama BELGHOUL Antioxidant activity and phenolic content of <i>Peganum harmala</i> L. aqueous extract.
T1 P18	Amina BOUAROURA Chemical compound isolated , antioxidant and anticholinesterase activity of algerian propolis
T1 P19	Assia GUENDOUZE Identification of Afatinib as a Potential KRAS G12D Inhibitor through Structure-Based Drug Repurposing for Pancreatic Cancer
T1 P20	Houssef Eddine KEHILI Bioactive Potential of <i>Atriplex halimus</i> L.: Assessment of Antibacterial and Anticancer Activities.
T1 P21	Ismail BOUDEN Potentiel Gastroprotecteur, Antioxydant Et Anti-Inflammatoire De L'extrait Aqueux De <i>Pulicaria Odora</i> L.
T1 P22	Hadjer DAUDI Evaluation of polyphenolic profile, antioxidant, anti-cholinesterase, and anti-alpha-amylase activities of <i>Lavandula antineae</i> Maire flowers.
T1 P23	Hadjer DAUDI Evaluation of polyphenolic profile, antioxidant, anti-cholinesterase activities of <i>Cyperus esculentus</i> L. tubers.
T1 P24	Nabil BOUDERSA Scientific Valorization and Antimicrobial Potential of <i>Mentha spicata</i> L. Essential Oil: An Ethnobotanical and Experimental Approach.
T1 P25	Rihem Rym BENMAIZA <i>In Silico</i> Identification of Natural MAO-B Inhibitors for Parkinson's Disease
T1 P26	Melissa MEKKHZER Anti-hypercholesterolemic, hepatoprotective and Anti-inflammatory effects of <i>Atriplex halimus</i> in mice subjected to diet-induced hyperlipidemia
T1 P27	Radja DJEBBARI Evaluation of the Antioxidant Activity of Bioactive Constituents from the Ethyl Acetate Extract of <i>Crotalaria vialattei</i> .
T1 P28	Hibet Allah BOUGHABA Comparative study of maceration and ultrasound-assisted extraction of bioactive compounds from an algerian medicinal plant of the genus <i>Astragalus</i>



13H30 - 14H15: Poster Session 2

Moderators:

Pr. Sihem AGUIB, Dr. Adra MOUELLEF & Dr. Amina KHENNAOUI

Topic 01: Biodiversity, Biotechnology and Plant Protection

T1 P18	Hassina SEDDIKI Étude de la diversité et de la dynamique de <i>Oedipoda caerulescens sulfurescens</i> au sein de la station de Sidi Abdoun (Parc National de Theniet El Had)
T1 P19	Ouarda El Wahida BOUCIF Floristic diversity and states of woody species in a Mediterranean forest, Tessera Mramet (Tlemcen, western Algeria)
T1 P20	Asma BOUKRIA Plant cover diversity and earthworm communities: synergies for soil resilience in palm groves
T1 P21	Aicha ATOUI Evaluation of Genetic Variability and Combining Ability in Barley (<i>Hordeum vulgare</i> L.) through Half-Diallel Crosses
T1 P22	Chahrazed DERSOUNI An ethnobotanical study of medicinal and aromatic plants in the Mila region
T1 P23	Hadia KELLIL Recensement des espèces d'abeilles dans les champs de céréales (blé et orge) de l'Est Algérien
T1 P24	Hind BOUGHAZI Eco-friendly green Synthesis and Characterization of ZnO Nanoparticles Using <i>Laurus Nobilis</i> Leaf Extract: A Biotechnological Approach
T1 P25	Thraa MALKI Algal Biodiversity and Urban Pollution in the Oued El Hatiba Watercourses (Khenchela, Algeria)
T1 P26	Siham AMRI The First Exploration of the Genetic Richness of an Ancient Algerian Citrus Collection Using Molecular Markers
T1 P27	Wahiba HARRAT Evaluation De l'activite Antifongique Contre « <i>Fusarium oxysporum</i> » Et De l'effet Biostimulant Sur Le Ble Et La Lentille De Trois Espece De <i>Trichoderma</i>
T1 P28	Hanane LABED Study of the protein diversity of two species of secondary cereals: millet (<i>Pennisetum.sp</i>) and sorghum (<i>Sorghum bicolor</i>) grown in Algeria.
T1 P29	Zeyneb BOUCHERIT Biocontrol potential of <i>Penicillium</i> sp against fungal pathogens of potato (<i>Solanum tuberosum</i> l.): A sustainable approach to crop protection
T1 P30	Radia BOUCHAREB Impact of Salicylic Acid on Quinoa (<i>Chenopodium quinoa</i>) Germination in Saline Conditions
T1 P31	Sarah SIAH Influence of cropping systems on flowering, fertilization and disease incidence in tomato (<i>Lycopersicon esculentum</i> Mill.)



T1 P32	Nassira RIAH Evaluation de la croissance de la lentille (<i>Lens culinaris</i>) cultivée en plein champ et caractérisation phénotypique de quelques isolats nodulant ses racines
T1 P33	Safia SEBTI Résilience des forêts de l'aire du barrage vert face à la double menace : Scolytes et Réchauffement climatique
T1 P34	Youcef Islam HAMIDA Harmine and animal health: a study of acute toxicity in Wistar rats.

13H30 – 14H15: Poster Session 2

Moderators:

Dr. Cherifa AGGOUN, Dr. Sihem HALMI & Dr. Sabar MESSAOUDI

Topic 02: Bioactive Molecules, Biological Activities and Molecular Modeling

T2 P29	Samira MOUSSAOUI Évaluation in vitro de l'activité antioxydante et anti-inflammatoire des extraits hydro-éthanolique de <i>Rhamnus alaternus</i> et <i>Silybum marianum</i>
T2 P30	Sana GHORRI Antagonistic activity of <i>Trichoderma</i> against <i>Fusarium</i> and its potential for plant protection.
T2 P31	Meriem MEHAZZEM Identification of genes related to leaf senescence in durum wheat using molecular markers.
T2 P32	Aïcha HAMOUDI Natural Antibacterial Agents from <i>Glycyrrhiza glabra L.</i> : Extraction, Bioactivity and Topical Application
T2 P33	Hind ZITOUNI Bioactive Essential Oils as Potential Antibacterial Agents Against Uropathogenic Bacteria
T2 P34	Lotfi BENMEKHBI Chemical discerning and biological activities of extracts and oil of an Algerian medicinal plant.
T2 P35	Mohamed El Amine SMAALI By-products of the <i>Astragalus membranaceus</i> plant: fatty acid composition, enzymatic inhibitory activity towards tyrosinase and ability to protect against thermal denaturation of proteins
T2 P36	Salma BERRI Phytochemical analysis by HPLC-DAD, acute toxicity assessment, and analgesic activity of methanol extract of medicinal plant.
T2 P37	Nassima BOUBEKRI Hepatoprotective and antioxidant effects of <i>Centaurea sp.</i> n-butanol extract against cyclophosphamide-induced liver injury in male Wistar Rats
T2 P38	Ilhem BENCHERCHAR Antiproliferative properties of two phytoextracts from an <i>Urticaceae</i> plant.



T2 P39	Nacer AMRAOUI Evaluation of total polyphenol content, total flavonoid content, and antioxidant activity of <i>Anthemis arvensis</i>
T2 P40	Zineddine BOUTEFAHA Phenolic Content and Antioxidant Activity of Aqueous-Methanolic Extract of <i>Coriandrum sativum</i> Seeds
T2 P41	Cherifa AGGOUN Etude des bienfaits du fenugrec sur les paramètres hématologiques chez le rat Wistar
T2 P42	Leyla BOUKAOUS Study of the antimicrobial synergistic effects between <i>Moringa oleifera</i> seed extracts and antibiotic agents
T2 P43	Afaf CHEBOUT Bioactive properties of leaf and petal extracts from an Algerian medicinal plant
T2 P44	Meryem MOKRANI <i>Artemisia herba-alba</i> Extract: A promising therapeutic agent against oxidative Stress and bacterial infections
T2 P45	Dhoha REKAB A Novel GABA-Derived Schiff Base and Its Metal Complexes: Synthesis, Characterization, and Potential Bioactive Relevance
T2 P46	Salsabyl LAIEB Assessment of the antioxidant potential of an aqueous extract from an Algerian endemic medicinal plant
T2 P47	El Batoul AHMED RAIS Activité Antibactérienne de Trois Extraits de Plantes
T2 P48	Sabar MESSAOUDI Investigation of the Hepatoprotective and Anti-Inflammatory Effects of <i>Phoenix dactylifera</i> Seed Oil (<i>Arecaceae</i>)
T2 P49	Sabar MESSAOUDI Study of the anti-inflammatory and hepatoprotective activities of <i>Citrullus colocynthis</i> (<i>Cucurbitaceae</i>) seed oil
T2 P50	Radia BOUHAREB The Antioxidant Potential of <i>Arthrospira platensis</i> in Combating Oxidative Stress
T2 P51	Raid Abderraouf BOUDIAF Optimization of Astaxanthin Production by the Microalga <i>Haematococcus pluvialis</i> under Environmental Stress Conditions
T2 P52	Meroua HORCHI Exploring the neuroprotective potential of plant compounds: caffeine intake in familial and sporadic Parkinson's disease
T2 P53	Meroua HORCHI Plant-derived bioactive compounds and neurodegenerative diseases: molecular mechanisms and genetic perspectives.
T2 P54	Elmouatez Billah BENARIBA Biosynthesis of Hematite Nanoparticles and Their Biological Activities
T2 P55	Yasmine TAGUIGUE Evaluation of Antioxidant Activity of Hydro-methanolic Extract from Prickly Pear



	(<i>Opuntia ficus-indica</i>) Peel Using Reducing Power and Phenanthroline Assays.
T2 P56	Khamsa KERMICHE Natural insecticidal effect of the extract of the seeds of the plant <i>Peganum harmala</i> (<i>Zygophyllaceae</i>) on <i>Drosophila melanogaster</i> (Diptera: <i>Drosophilidae</i>).
15H15 – 16H00: Poster Session 3	
Moderators:	
Pr. Ghania CHAIB, Pr. Mouad BOULACEL & Dr. Karima BOUCHEMAL	
Topic 01: Biodiversity, Biotechnology and Plant Protection	
T1 P35	Younes BOUKHETTACHE Perennial species diversity of wetland region in Oued el kharoua (Northeastern of Algeria)
T1 P36	Kaouther LAIBI Organic techniques and innovations for sustainable cherry tree production and biodiversity conservation
T1 P37	Khaled MISSAOUI Les arbres dans le milieu urbain à Sétif : phénologie et résilience climatique
T1 P38	Awatef GHANAI Biochemical Characterization and Genetic Diversity Assessment of Algerian Durum Wheat (<i>Triticum durum</i> Desf.) for the Valorization of Plant Genetic Resources
T1 P39	Meriem ZOGHMAR Valorization of three apple cultivars (<i>Malus domestica</i> Borkh.) grown in the Mila region through the assessment of phenomorphological and biometric characteristics
T1 P40	Racha BLIKAZ Using <i>Artemisia herba alba</i> as a sustainable method of ecological weed control.
T1 P41	Leila BELLEBCIR The antioxidants markers of biodiversity in the <i>Astragalus</i> of the Ziban (South-East Algerian Oasis)
T1 P42	Hadjer DJELID Exploring microbial biodiversity: lipase production by <i>Bacillus velezensis</i> H1 and <i>Bacillus paramycoides</i> for biotechnological applications
T1 P43	Siham BEZZAZ Morphological and phenological behaviour of sweet cherry (<i>Prunus avium</i> L.) and pistachios (<i>Pistacia vera</i> L.) growth in three different experimental sites in Constantine
T1 P44	Oumnya CHERITI Assessing Soil Biodiversity Risk under Lead Contamination: Evidence from <i>Aporrectodea trapezoides</i>
T1 P45	Karima KARA Assessment of Genetic Diversity in Bread Wheat Cultivars from Semi-Arid Regions of Algeria Using SSR Markers
T1 P46	Zeyneb GRENDOU Restauration des sols et valorisation de la biodiversité par un biochar écologique activé par des plantes endémiques



T1 P47	Hayette BRAHIM BOUNAB Contribution to the study of springtails (Hexapoda; Collembola) in the Tessala Lemtai Forest, Mila Province
T1 P48	Selma El Batoul BENMIRA Etude de la faune nécrophage colonisant un cadavre suspendu dans la région de Constantine
T1 P49	Fatima Zohra GUERROUDJ Biodiversité des Coléoptères nécrophages sur deux cadavres de mammifère brûlé et non brûlé
T1 P50	Chourouk HAMLA Effects of salt stress on soluble proteins in two durum wheat varieties
T1 P51	Asma DORBANI Industrial environmental risks and pollution issues
T1 P52	Radia BOUHAREB Yield and production potential of durum wheat in the Constantine region
T1 P53	Sara Iméne BETINA Valorization of <i>Ziziphus lotus</i> honey produced by the domestic bee <i>Apis mellifera intermissa</i> in the world of hair care
T1 P54	Souhila MOUSSOUNI Genetic structure and diversity of date palm cultivars (<i>Phoenix dactylifera</i> L.) in Algeria: implication for conservation and varietal improvement
T1 P55	SAMY KABOUCHE Exploitation de la diversité biologique pour l'identification de facteurs métaboliques innovants
15H15 – 16H00: Poster Session 3	
Moderators:	
Dr. Esmâ BAKIR, Dr. Aïcha MADI & Dr. Nadia ZEGHAD	
Topic 02: Bioactive Molecules, Biological Activities and Molecular Modeling	
T2 P57	Sarra BETTIHI Herbal Remedies for Polycystic Ovary Syndrome among Women in Sétif: <i>Atriplex halimus</i> as the Most Commonly Used Plant
T2 P58	Sarra BETTIHI Therapeutic Effects of <i>Atriplex halimus</i> on Letrozole Induced Polycystic Ovary Syndrome in an Animal Model
T2 P59	Lamia DJEBLIA Chemical Composition and Evaluation of Antioxidant Activities of <i>Anagallis</i> sp (<i>Primulaceae</i>)
T2 P60	Meriem LARABA In vivo evaluation of the anti-inflammatory activity of <i>Valeriana</i> sp. extract
T2 P61	Marwa KHEROUF Phytochemical constituent and antimicrobial properties of Aqueous Corn Silk Extract from Algeria



T2 P62	Aicha BOURKAB Molecular Docking and Multi-Target Analysis of Bioactive Compounds from Damask rose (<i>Rosa damascena</i> Mill.)
T2 P63	Zahia Cirine HAMIDA Effect of <i>Thymus munbyanus</i> Essential Oil on Enzymatic Biomarkers (AChE, CAT and GST) in <i>Ephestia kuehniella</i> .
T2 P64	Aicha MADI <i>In Vivo</i> Protective Effect of a Natural Extract Against Hepatic Biochemical Alterations
T2 P65	Rania LAOUAR Folate Metabolism and Congenital Anomalies: Linking Nutrition, Genetics, and Biotechnology
T2 P66	Keltoum BOUDRAA <i>in vivo</i> and <i>in vitro</i> Evaluation of the Antioxidant and Cytotoxic Potential of <i>Cytisus</i> sp. Methanolic Extract
T2 P67	Leila AILANE Phytochemical Characterization of <i>Mentha rotundifolia</i> by Fourier Transform Infrared (FTIR) Spectroscopy.
T2 P68	Aissa DJEROUNI The impact of some plant extracts in the healing of wounds of the mice
T2 P69	Leila BENNAMOUN Evaluation of Phytochemical Composition and Antioxidant Activity of <i>Lawsonia inermis</i> , an Endemic Medicinal Plant of Southwestern Algeria.
T2 P70	Hind DJEBAILI Evaluation of a medicinal plant " <i>Bunium incrassatum</i> " effect on reproductive parameters in the local male rabbit
T2 P71	Amina Maya LAHNECHE Investigation of the Antioxidant Properties of Bioactive Compounds Isolated from the chloroform Extract of <i>Marrubium deserti</i>
T2 P72	Nada FARAH Potentiel antioxydant et effet inhibiteur enzymatique d'un extrait hydroalcololique issu d'une plante médicinale.
T2 P73	Amira MECHERI Anti-inflammatory and free-radical scavenging activities of n-butanol extract of <i>Genista</i> sp
T2 P74	Imene HAMI OUDA From Metabolic Disorders to Pancreatic Cancer: The Emerging Role of Plant-Derived Bioactive Compounds.
T2 P75	Imene HAMI OUDA Molecular Role of XPC Gene in DNA Repair Pathways and Pancreatic Cancer Susceptibility
T2 P76	Adra MOUELLEF Therapeutic potential and valorization of mastic tree (<i>Pistacia lentiscus</i> L.)
T2 P77	Sihem HALMI Characterization of secondary metabolites and biological evaluation of an Algerian plant species



University Constantine 1 - Frères Mentouri, Algeria
 Faculty of Natural and Life Sciences - Department of Plant Biology
 Laboratory of Genetics, Biochemistry and plant Biotechnology (GBBV)



1st National Seminar on Biodiversity Plant Biotechnology and Innovation (INSBPBI)

T2 P78	Mohamed Yahia Zeriab BADAUI <i>In Silico</i> Evaluation of Isorhamnetin from <i>Diplotaxis harra</i> as a Na ⁺ /K ⁺ -ATPase Modulator
T2 P79	Mohamed Yahia Zerieb BADAUI Molecular Docking of Quercetin Identified in <i>Diplotaxis harra</i> Against Na ⁺ /K ⁺ -ATPase
T2 P80	Mohamed Badreddine MOKHTARI Docking-Based Investigation of Caffeic Acid from Tikrouait Extract Against Na ⁺ /K ⁺ -ATPase
T2 P81	Mohamed Badreddine MOKHTARI Molecular Docking Study of Kaempferol Identified in Takerouayet Targeting Na ⁺ /K ⁺ -ATPase
T2 P82	Malika BENKAHOUL Profil phytochimique et activité antioxydante des fruits de <i>Ziziphus lotus</i> (L.)
T2 P83	Nihad DJERIOUI Furanocoumarins from <i>Angelica archangelica</i> as Dual Cholinesterase Inhibitors: An Integrated In Silico Strategy for Multi-Target Alzheimer's Drug Discovery
T2 P84	Younes DOUFFA Antioxidant and anti-inflammatory activities of <i>Pistacia atlantica</i> extract
T2 P85	Ahlem ZAAMOUCI L'extrait d'ail (<i>Allium sativum</i>) : une alternative naturelle et écologique aux fongicides chimiques dans la lutte contre le phytopathogène <i>Aspergillus flavus</i>
T2 P86	Hasna BOUHENNI Evaluation Of Some Biological Activities Of Algerian Clusius's Rock Rose (<i>Cistus Clusii</i>)
T2 P87	Awatif BOUMAZA Green synthesis, optimization, biological activities, and <i>in silico</i> toxicological evaluation of silver nanoparticles derived from <i>atractylis gummifera</i>
T2 P88	Ibtissam BAGHRICHE Green synthesis of Zinc oxide nanoparticles using a plant extract and evaluation of their anticancer activity



Day 2: Monday, May 4th, 2026

Topic 03: Food Security, Biotic and abiotic stress in plants.

10H40 – 11H00: Poster Session 1

Moderators:

Dr. Sana GHORRI, Dr. Chourouk HAMLIA & Dr. Wafa BENSSERAD

T3 P01	Mounira BOUGDAH Evaluation of Aquaculture Agriculture Integration in the Wetlands of Northeastern Algeria (Skikda Region) : A Case Study on <i>Cucumis sativus</i>
T3 P02	Sabrina MOBAREK Early-Stage Salinity Tolerance and Adaptive Mechanisms in Algerian Wheat Landraces
T3 P03	Rania LAOUAR Maternal Diet and Risk of Hypospadias: Potential Role of Vegetarianism and Phytoestrogens in an Algerian Population
T3 P04	Rabiaa Nawal BOUREZAK Effet des rhizobia sur la croissance de deux génotypes de pois chiche sous stress abiotique
T3 P05	Kaouther BOUTITI Molecular Marker Associations with Climate Resilience and Fruit Quality Traits in <i>Prunus armeniaca</i>
T3 P06	Amina BELMAHDI Impact of <i>bactrocera oleae</i> infestation on phenolic metabolites in olive fruits: lcms profiling and pathway analysis
T3 P07	Soumia BENTAHAR Role of Compost in Sustainable Agriculture for Wheat Production
T3 P08	Asma BENKARA Physiological and biochemical responses of barley (<i>Hordeum vulgare</i> L.) Genotypes to drought stress at the early growth stage
T3 P09	Hamida MAHROUG Impact des stress abiotiques sur la qualité de blé
T3 P10	Ihsein Rokia AMINE KHODJA Évaluation du potentiel de l'inoculation rhizobienne dans l'atténuation du stress salin chez le pois (<i>Pisum sativum</i> L.)
T3 P11	Meryem Yassamine KHELIL Harnessing Plant Innate Immunity for Sustainable Tomato Production Under Biotic Stress Conditions.
T3 P12	Imed Eddine BOURAS CRISPRa epigenétique via dCas9HAT : activation contrôlée d'areb1 pour une tolérance à la sécheresse sans pénalité de croissance
T3 P13	Oumaima Ilham KIDAR Thyme and Clove Bioactive Compounds for Food Security and Sustainable Agro-Food Innovation
T3 P14	Sonia ARAB Effect of Turmeric Essential Oil Nanoemulsion on the Microbiological Quality of



	Gilthead Seabream
T3 P15	Amina SACI Valorisation des déchets organiques du restaurant universitaire El-Chahid Bousstta Ali (Skikda) et évaluation de son effet sur la germination du maïs dans une perspective de sécurité alimentaire.
T3 P16	Sabrina AIT ABDELKADER Improvement of durum wheat growth under salinity by the combined use of amf and maize biochar
T3 P17	Fayza BELHADJ BENYAHIA Contribution to the pathological study of <i>Fusarium culmorum</i> causing root rot and <i>Fusarium</i> head blight of wheat
T3 P18	Halima GRINI Honey as a bioindicator of microplastic pollution in Skikda, Algeria
T3 P19	Mounir mouhamed CHENTOUH Impact of cooking on the Allergenicity of cowpea proteins
T3 P20	Mounir mouhamed CHENTOUH Impact of cooking on the allergenicity of pea proteins
T3 P21	Wassila NADJI Physiological response of Triticum durum to arbuscular mycorrhizal inoculation under water deficit conditions.
T3 P22	Ratiba BOUSBA Screening for Drought Stress Tolerance in Wheat Genotypes Using SSR Molecular Markers
Topic 04: Smart Agriculture and Digital Technologys.	
10H40 – 11H00: Poster Session 1	
Moderators: Dr. Nadia Sandra KACEM & Dr. Ihsen Rokia AMINE KHODJA	
T4 P01	Ali GUENDOZ The Efficiency Of Using Numerical Image Analysis To Estimate Chlorophyll Content In Barley (<i>Hordeum Vulgare</i> L.) Genotypes Based On RGB (Red, Green, Blue) Reflectance.
T4 P02	Intissar GASMI Hybrid Approach for Smart Agriculture: Coupling Advanced Oxidation Processes, Biofilm-Based Systems, and Bio-electrochemical Technologies for Water Reuse
T4 P03	Maya BOUAFIA Personalized Medicine in Kidney Transplantation: The Role of Pharmacogenetics in Cyclosporine Therapy
T4 P04	Basma BOUMAIZA Agriculture intelligente basée sur l'IA et les capteurs pour la détection des stress abiotiques chez les plantes : focus sur le stress hydrique
T4 P05	Souad BOUMAIZA Global research trends in <i>Nigella sativa</i> -mediated nanoparticle green synthesis: bibliometric analysis of biomedical applications and toxicological gaps