



Workshop agenda

Monday 05 October 2026

FSB · USTHB, Algiers

Room: Avicenna

ORAL COMMUNICATIONS		Avicenna room
07:30	Guest reception & registration	2 h
09:30	Opening ceremony	25 min
09:55	Room transition	5 min
10:00 25 min	Toxicité subaiguë induite par l'insecticide voliam targo® et effet protecteur de l'huile essentielle de thym sur le duodénum chez le lapin. Hassina Khaldoun, Amina Settar, Yasmine Oularbi, Dalila Tarzaali, Sara Oularbi, Chahrazed Makhoulouf, Nacima Djennane	
10:27 10 min	Contribution à la gestion des maladies bactériennes de la tomate en Algérie : diagnostic, caractérisation des espèces responsables et évaluation de quelques agents de lutte biologique. Khenfous-Djebari Bahria, Guellai Aya	
10:39 10 min	Biotechnologies microbiennes et agriculture durable : le rôle des bactéries promotrices de croissance dans la lutte contre la salinité des sols. Djouadi Samir, Bouherama Amina, Lebbida Fahima, Abderrezzak Achouak	
10:51 10 min	Artificial intelligence and earth observation for climate resilience: a Spatio-Temporal deep learning framework for flood change detection using sentinel-2 imagery. Radja Kheddami, Lina Bouchelkia, Abdenour Bouakache, Ahmed Tahraoui, Assia Kourgli, Nadja Bekkari	
11:03 25 min	Combination of multi-source data and multi-criteria modeling for the optimal operation of the thala hamza mine without adverse effects on the region's environment. Bachari Nour El Islam, Soltani Belgacem, Mezenner Abdelhak, Henni Chebra, Younes Abdeldjalil	
11:30 10 min	Advancing renewable energy through the computational design of Benzothiadiazole-Based organic solar cell acceptors health and climate sustainability. Fatma Zohra Imene Yeddou, Mohamed Ali Benmensour, Anissa Amar	
11:42 10 min	Ecological monitoring and systematic inventory of marine fauna and flora in tipaza province: the role of University-Coastal stakeholder synergy. Morsi Abdellah, Ait Hamouda Ibtissem, Khaled Youcef, Ghoul Adel	



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ORAL COMMUNICATIONS (CONTINUED)

Avicenna room

11:54

10 min

Le plongeur comme témoin du monde sous-marin et trait d'union entre terrain et science.

Khaled Youcef, Morsi Abdellah

12:06

Debate

30 min

12:36

Break

84 min

14:00

Poster session

1 h

ORAL SESSION MODERATORS

DAY 01

Scientific committee

- **Pr. Bachari Nour Islam**
- **Pr. Farida Nateche**
- **Dr. Ali Zineddine Boumehira**
- **Dr. Fairouz El Aichar**
- **Dr. Yacine Harkat**
- **Dr. Nadia Taibi**

Workshop agenda

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POSTER SESSION

14:00–15:00 · 32 posters

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|-----------|---------------|---|
| 01 | DV-010 | Escherichia coli removal using a combined electrochemical process
Adjeroud-Abdellatif Nawel (1), Boudjouan Fares (2), Djerroud Naima (1), Kasirye Muhammad Ali (1), Lekrim Hana (1) |
| 02 | ET-009 | Etat trophique du lac oubeira -zone humide ramsar du parc national d'El kala
Bouthaina Smida, Abdallah Aouadi, Aicha Djabourabi, Chahinez Boualleg |
| 03 | ET-010 | Impact de la pollution agricole sur la croissance des diatomées benthique
Bouziane Ahlem, Bouldjedri Mouhammed |
| 04 | ET-011 | Environmental remediation of pharmaceutical wastewater using reusable calcium Alginate-Immobilized brassica rapa peroxidase
Afaf Ahmedi, Mahmoud Abouseoud |
| 05 | ET-012 | Heavy metal bioaccumulation in (Mullus Barbatus) exposed to desalination plant effluents: implications for environmental monitoring and human health
Boudjemai Chahinez, Djeziri Mourad, Zemmouri Hassiba |
| 06 | ET-018 | Health and climate sustainability biosynthesized metal nanoparticles: between ecological innovation and toxicological risks — a critical review
Hayet Missouni Djanette Blizak Meriem, Souheyla Toubal, Imane Djouabi |
| 07 | ET-019 | Etude de la qualité des eaux du golfe de skikda par l'utilisation d'un mollusque sentinelle, la moule (Mytilus Galloprovincialis)
Nadji Safia, Gheid Samira, Benzazia Samia, Mellahi Lamia |
| 08 | ET-021 | Application of opuntia ficus indica mucilage as a bio-coagulant in electrocoagulation treatment of aromsa industrial wastewater: comparative performance of aluminum and iron electrodes on COD removal.
Djerroud-Mohellebi Naima, Adjeroud-Abdellatif Nawel, Azzouz Zahra, Merzouk Belkacem, Kobya Mehmet, Madani Khodir |
| 09 | ET-022 | When an artificial reef is no longer a reef: exploring biological colonisation of its remnants in aïn benian, Algiers
Zemik Sabrine, Tamrabet Ahlem, Morsi Abdellah |
| 10 | ET-023 | Integrated in vivo/in silico investigation of ampligo®-associated renal toxicity: modulatory effects of thyme essential oil and vitamin c on pesticide-induced molecular alterations
Louisa Bechokra, Massinissa Baymout, Hassina Khaldoun, Samira Aouichat, Chahrazed Makhlof, Amina Settari, Nacera Lemlikchi, Amina Bouhallel, Nacima Djennane |

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POSTER SESSION (CONTINUED)

14:00–15:00 · 32 posters

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| 11 | ET-026 | Valorisation du lactosérum issu de la production fromagère en actif cosmétique
Khaili Aya (1), Beliacine Meriem Farah (1), Slimani Halima (1), Hammouda Rachid Fethi (1) |
| 12 | ET-017 | Potential of <i>matricaria pubescens</i> essential oils to inhibit therapeutic target enzymes in type 2 diabetes
Kherraz Khaled, Messaoudi Mohammed, Guelifet Khalil, Laoudj Hacene, Benmohamed Mokhtar, Yassine Khoualed, Ghemam Amara Djilani |
| 13 | HB-001 | Phenolic characterization of <i>carthamus caeruleus</i> L. by UHPLC-HRMS and in silico evaluation of its Wound-Healing potential
Moussa Hamza, Bourahla Ferial |
| 14 | HB-002 | Tick-associated microbial communities and their interactions: implications for animal and ecosystem health
Abdelali Salma Kaoutar, Seddiki Said |
| 15 | HB-003 | Reproductive toxicity of cypermethrin: histopathological evidence of ovarian damage in wistar rats
Daoui Aya, Belkhiri Yamina, Benbia Souheyla |
| 16 | HB-005 | Toxicological screening of JWH-018 and JWH-122 synthetic cannabinoids in blood and urine using LC-MS/MS
Boumaza Bourioune Saliha, Ben Othmane Yacine, Sahali Céline, Seghiri Dounia Farah, Ben Debbah Khaoula, Hamlat Nadjiba |
| 17 | HB-006 | Kinetics of histostructural remodeling of the thyroid gland in wistar rats subjected to carbimazole
Neggazi Samia, Hamlat Nadjiba, Boumaza Saliha, Berdja Sihem, Smail Leila, Sahraoui Abdelhamid, Aouichat-Bouguerra Souhila |
| 18 | HB-007 | Preliminary study of glucose oxidase production by <i>Aspergillus niger</i> for biosensor preparation.
Chemlal Radia, Laouar Aouadi Salem, El Batoul Kettal Meriem, Belguendouz Houda |
| 19 | HB-008 | Pharmacological study of PLOCAMA REBOUDIANA infusion : analgesic effect and toxicological profile.
Baz Malak, Harchaoui Lilya, Ouafi Saïda, Meguellati Hassina, Abib Imene, Bounesrag Lydia, Ait Said Zahwa |
| 20 | HB-009 | Effects of purified holothurian extract on skin inflammation in mice
Ghoul A Fernane A Djouad A |

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POSTER SESSION (CONTINUED)

14:00–15:00 · 32 posters

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| 21 | HB-010 | Neuroprotective effects of juniperus phoenicea essential oil against glyphosate-induced neurotoxicity in a murine model
Moussaoui Hadjila, Ouldsaid Chaima, Bendjabeur Salah, Bennara Elghalia, Bennia Rihab, Amarni Meriem, Merzouagui Rania, Ladjel-Mendil Amina |
| 22 | HB-011 | Thymol attenuates klebsiella pneumoniae-Induced acute lung injury by modulating local inflammation and Peroxidase-Driven oxidative stress health and climate sustainability
Meriem Amarni, Amina Ladjel-Mendil, Fawzi Allala, Fatah Cherifi, Amel Bouanane-Darenfed, Hadjila Moussaoui, Rania Merzouagui, Nesrine Ahras-Sifi, Fatima Laraba-Djebari |
| 23 | HB-012 | Évaluation de l'activité anti-inflammatoire d'une plante saharienne endémique sur l'inflammation cutanée
Ghoul Adel / Fernane Amirouche / Megtoug Anfal / Mehenni Amina |
| 24 | HB-013 | Développement de bains de bouche naturels à base de plantes médicinales : une formule innovante pour les soins bucco-dentaires.
Benyamina Abdelkader El Mehdi, Tamert Asma |
| 25 | HB-015 | In silico investigation of the structural and functional similarities between cerastokunin and the antiparasitic kunitz-type inhibitor ShPI-1
Saghour Noussaiba, Cherifi Fatah, Bekkari Nadja, Saoud Samah, Laraba-Djebari Fatima |
| 26 | HB-016 | Dual-index molecular stratification of stromal remodeling and tumor-intrinsic immune evasion in colorectal cancer
Abdelaziz Ismahane, Allal Badr-Eddine, Bounaama Abdelkader, Djerdjouri Bahia |
| 27 | HB-017 | Arthrospira platensis : une source naturelle de biomolécules bioactives aux propriétés antioxydantes et antimicrobiennes
Lebtahi Neila, Bentaallah Mohammed El Amine, Brahmi Mostapha, Bouhenna Mustapha Mounir, Hamitouche Adhya-Eddine |
| 28 | HB-018 | Seasonal influence on the phenolic composition and Multi-Biofunctional activities of globularia alypum extracts
Guelifet Khalil, Messaoudi Mohammed, Ferhat Abderrazak, Kherraz Khaled, Ferhat Mohamed Amine |
| 29 | HB-019 | Impact de la toxicité thermique environnementale sur le parenchyme testiculaire et la spermatogenèse chez le mérion de libye (Meriones Libycus)
Kheddache Arezki, Charallah Salima, Moudilou Elara, Brun Claire, Terrien Jeremy |

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POSTER SESSION (CONTINUED)

14:00–15:00 · 32 posters

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|-----------|---------------|---|
| 30 | HB-021 | Lumière artificielle nocturne et réponse biologique : effets de l'exposition chronique sur la morphologie de la zone fasciculée surrénalienne de la gerbille (<i>Gerbillus Tarabuli</i>)
Amina Derbouz Rouibate, Belkis Benkali, Baraa Benkali, Saliha Ouali-Hassenaoui, Aicha Dekar-Madoui |
| <hr/> | | |
| 31 | SA-002 | Valorisation des ressources organiques pour renforcer les mécanismes de résistance des céréales face au changement climatique
Bourahla Feriel, Mahdi Khadidja, Djouahra Djamila, Moussa Hamza |
| <hr/> | | |
| 32 | SA-001 | Rooted in biodiversity: a decade of biofertilization for sustainable agriculture
Bouherama Amina, Djouadi Samir, Abderrezzak Achouak, Lebbida Fahima, Khedim Tinhinan |

Workshop agenda

Tuesday 06 October 2026

FSB · USTHB, Algiers

Room: Avicenna

ORAL COMMUNICATIONS		Avicenna room
07:30	Guest reception & registration	1 h 30
09:00 25 min	Prévention de l'exposition aux perturbateurs endocriniens en Algérie : données épidémiologiques et mesures réglementaires. Chebila Zakia, Benmouloud Abdelouafi	
09:27 10 min	Does bordeaux mixture use drive copper bioaccumulation in sardines (<i>Sardina Pilchardus</i>) from bou-Ismaïl bay, Algeria? Kahia Amira, Khatib-Zagh Naima, Aouir Amel	
09:39 10 min	Mapping Center-Pivot irrigation in arid zones using satellite imagery. Mohamed Amine Latrouci, Radja Kheddam, Aïchouche Belhadj-Aïssa	
09:51 25 min	Marine pollution: impacts on marine environment. Houma Bachari Fouzia, Chabi Nacera, Bachouche Samir, Bachari Nour El Islam	
10:18 10 min	Detection and mapping of coastal water pollution in the bay of Algiers through satellite remote sensing. Belaidi Bilal, Zerrouki Chawki, Belaroui Abdelhakim	
10:30 10 min	Arundo donax-reinforced CMC/Xanthan gum/ZnO bionanocomposite hydrogel for water disinfection. Fatma Zohra Ikram Bibani, Hafida Ferfera-Harrar, Tayeb Benhalima, Nassim Doufene	
10:42 10 min	Indoor air microbiological quality in a preschool: assessment of bioaerosols and health implications. Samia Lachebi, Nadia Sadou, Amina Djadi, Mahmoud Trachi, Nabila Cherifi, Riad Ladji	
10:54 10 min	Bioremediation of malachite Green-Contaminated water and agricultural soils by Soybean-Associated endophytic bacteria. Achouak Abderrezzak, Samir Djouadi, Amina Bouherama	
11:06 10 min	Assessment of the inclusion of an aquatic fern as an unconventional feed source in quail diets on meat and egg quality. Mahmoudi Souhila, Boudjellaba Haizia, Benamirouche Karima, Mahmoudi Nacéra, Hamouda Hamouda Ali Imane, Ruiz-Capillas Claudia, Cullere Marco	
11:18 10 min	Cibles thérapeutiques de l'envenimation par le scorpion : rôle de la kinase TAK-1 dans la réponse inflammatoire. Hadjer Saidi, Simon Rousseau, Fatima Laraba-Djebari, Djelila Hammoudi-Triki	
11:30 25 min	One health and food safety: from farm to fork, a strategic lever for contemporary public health. Ali Zineddine Boumehira	



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ORAL COMMUNICATIONS (CONTINUED)

Avicenna room

11:57

10 min

Approche périphyton en aquaculture larvaire : effets zootechniques, microbiologiques et planctoniques chez oreochromis sp.

Sidi Ali Redha, Bentata Fatima Zohra, Djemal Aya, Chabani Selmane

12:09

10 min

Automatic detection of posidonia oceanica seagrass meadows using deep learning: application to the bay of bou ismaïl (Tipaza, Algeria).

Ghoalemellah Yacine Khames, Fatima Medjber, Sidiali Redha, Nacef Lamri, Guerbi Melissa, Selmane Chabani, Mohamed El Amine Bouhadja

12:19

Debate

30 min

12:49

Break

71 min

14:00

Poster session

1 h

ORAL SESSION MODERATORS

DAY 02

Scientific committee

- **Pr. Sonia Adi Bessalem**
- **Pr. Assia Kourgli**
- **Dr. Samir Djouadi**

- **Dr. Lilia Boudriche**
- **Dr. Amel Boudhemaa**

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POSTER SESSION

14:00–15:00 · 33 posters

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| 01 | HB-020 | Orange peel: from biological activities to biological relevance
Widad Ghebache, Nour El Houda Boudjellal |
| 02 | HB-023 | Evaluation of the antioxidant activity of micromeria graeca L. extracts
Lydia Bounesrag, Saida Ouafi, Lilya Harchaoui, Meguellati Hassina, Malak Baz, Imene Abib |
| 03 | HB-024 | Therapeutic effect of atriplex halimus L. on mercuric chloride provoked hepatic injury in rats
Mellahi Lamia, Benzazia Samia, Nadji Safia, Boulkenafet Fouzi, Basli Abdelkader |
| 04 | HB-025 | Environmental cadmium exposure and oxidative stress: protective effects of atriplex halimus on antioxidant defense in wistar rats
Benzazia Samia, Boulkenafet Fouzi, Mellahi Lamia, Nadji Safia, Basli Abdelkader |
| 05 | HB-026 | De la virulence à la protection pulmonaire : le verbenol atténue la production de pyocyanine et les lésions inflammatoires associées à l'infection à pseudomonas aeruginosa
Nahla Grine'2, Meriem Amarni, Amina Mendil, Sami Mnif |
| 06 | HB-028 | Contribution of renin to the renin-angiotensin-aldosterone system (RAAS) in hepatic pathogenesis induced by the alpha-neurotoxin aah isolated from aah scorpion venom .
Medjadba Wafa, Laraba-Djebari Fatima |
| 07 | HB-029 | Biochemical and biological characterization of scorpionfish scrofa venom
Hamadou Hadjer, Boussag-Abib Lila |
| 08 | SA-003 | Exogenous biostimulants mitigate herbicide-induced stress in vigna unguiculata seedlings
Boulahia Karima, Osmane Sihem, Ould Said Chaima |
| 09 | SA-004 | Effects of drought stress on germination and seedling growth of vigna radiata L.
Toumi Mohamed, Barris Selma |
| 10 | SA-005 | Rhizobiums nodulant (Leucaena Leucocephala) sous stress salin : sélection naturelle et potentiel (PGP) pour l'agriculture durable en zones arides.
Lebbida Fahima, Bouherama Amina, Djouadi Samir, Abderrezzak Achouak |

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POSTER SESSION (CONTINUED)

14:00–15:00 · 33 posters

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| 11 | SA-006 | Morphological and physiological responses of rocket (<i>Eruca Sativa</i> Mill.) to drought stress
Barris Selma, Toumi Mohamed, Belkebir Aicha |
| 12 | SA-007 | Étude comparative de trois fermes de production de tilapia rouge intégrées à l'agriculture
Ryma Foughalia, Mohamed Khiari, Nouha Kaouachi |
| 13 | SA-009 | Characterization of the plant growth-promoting properties of the actinobacteria strains AZH11 and AZH14 isolated from the rhizosphere of the potato (<i>Solanum Tuberosum</i> L.)
Sibous Lamia, Laassami Affaf, Meklat Atika, Saker Rafika |
| 14 | SA-010 | Antifungal potential of pectinic extracts from date palm (<i>PHOENIX DACTYLIFERA</i> L.) against fusarium oxysporum f.sp albedinis , the causative agent of bayoud disease .
Nadia Bousbaine, Baya Boucenna-Mouzali, Tassadit Azouaoui-Ait Kettout |
| 15 | SA-011 | Diversité bactérienne du système blé-trèfle : une ressource pour l'agriculture durable
Khedimallah Aya, Khenfous-Djebari Bahria |
| 16 | SA-012 | Vers une gestion durable des bactérioses de la tomate : caractérisation des bactéries phytopathogènes et recherche de méthodes de lutte alternatives
Guelai Aya, Khenfous-Djebari Bahria |
| 17 | SA-013 | Sustainable recycling of date palm residues in arid regions using a rotary drum bioreactor
Abdelouahad Ouali, Abderrazak Mabrouki, Youcef Ouzani, Fatima Hiouani, Djamila Madani, Chafia Tir |
| 18 | SA-014 | Biochar synthesis for ecological restoration of degraded forest soils in the relizane region: a machine learning approach
Medjeded Asma Amani Aouadj Sid Ahmed Houari Hadj Habib Nouar Belgacem Hamad Hanane Saber Abdelkader |
| 19 | SA-015 | Analyse in silico d'allantoinase d'<i>Actinopolyspora saharensis</i>
Asma Yagoub, Yousra Lali |
| 20 | SA-017 | Valorization of bovine, fish, and algal by-products as sustainable sources of collagen and collagen-like compounds: an approach toward a circular bio-economy
Chair-Yousfi Imène, Cheraitia Ikram, Touat Asma, Zmit Aya |

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| 21 | SA-019 | Effet du stress salin sur les caractères morphologiques, physiologiques et biochimiques des jeunes plantules de blé .
Bedjeloud Nesrine, Sadji Ait-Kaci Hamida, Chaker-Haddadj Assia |
| 22 | AI-002 | Attention-based deep learning for wheat disease detection: a comparative study of CBAM, ECA, and ViT
Ouahab Meriem, Kourgli Assia, Boughaou Amel, Ogab Kamel, Kheddad Radja |
| 23 | CS-002 | Development and performance evaluation of locally engineered mineral filter media for sustainable seawater reverse osmosis (SWRO) pretreatment
Louzri Yasmine |
| 24 | CS-003 | Satellite-Based mapping and temporal analysis of surface water temperature across contrasting Hydro-Climatic environments in Algeria
Tahraoui Ahmed (1), Kheddad Radja (2) |
| 25 | CS-004 | Urban vegetation and climate sustainability: the contribution of nature based solutions to mitigating urban thermal stress
Belhorma Hayat |
| 26 | DV-003 | Effects of thyrotropin releasing hormone administration on the pancreatic β-cells function in prepubertal rats
Morzouglal Nawel, Boucheffa Hanane, Ghozlan Amel, Hadj-Bekkouché Fatima |
| 27 | DV-004 | Multi-Temporal assessment of coastal water pollution in the bay of Algiers using sentinel-2 remote sensing and google earth engine
Brahimi Ahmed, Belaroui Abdelhakim, Zerrouki Chawki, Ali Rahmani Salaheddine |
| 28 | DV-005 | Changes in entomological biodiversity in an agricultural orchard after two decades
Semmar Salama, Doumandji Salaheddine |
| 29 | DV-006 | Contribution à la valorisation des cladodes d'opuntia ficus-indica
Said Maroua, Akretche Soraya, Bousbia Nabil, Boufekane Abdelmadjid, Djemmali Badreddine, Ait Kaci Nasrine, Kerbouche Lamia |
| 30 | DV-007 | Biosynthesized metal nanoparticles: between ecological innovation and toxicological risks — a critical review
Hayet Missouni, Djanette Blizak Meriem, Souheyla Toubal, Imane Djouabi |

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| 31 | DV-009 | Conversion durable des grignons d'olive en nanoparticules de lignine pour le développement de biocomposites
Boudjellal Nour El Houda, Iggui Kahina, Kaci Mustapha, Ghebaché Widad |
| <hr/> | | |
| 32 | DV-011 | Évaluation de l'activité antalgique de deux plantes médicinales
Abib Imene, Meguellati Hassina, Saad Soumia, Harchaoui Lylia, Ouafi Saida, Baz Malak, Benserag Lydia, Ait Said Zahwa, Derradji Meroua, Bedjloud Nesrine |
| <hr/> | | |
| 33 | ET-015 | Valorisation d'une ressource agricole locale.
Ait Kaci Nasrine, Said Maroua, Akretche Soraya, Chergui Dallal, Bousbia Nabil, Kerbouche Lamia, Boufekane Abdelmadjid, Djemmali Badreddine |
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