SÉMINAIRE INTERNATIONAL

"ONE HEALTH"

Complexe Touristique Sabri – Annaba

27 – 29 Avril 2026

ORGANISE PAR : LE CENTRE DE RECHERCHE EN ENVIRONNEMENT (CRE)

Sponsors & Partenaires Officiels

JOUR 1	JOUR 2	JOUR 3
Lundi 27 Avril 2026	**Mardi 28 Avril 2026**	**Mercredi 29 Avril 2026**
Cérémonie d'ouverture	*Sécurité Alimentaire*	*Résistance aux Antimicrobiens (AMR)*
Sessions Plénières	*Maladies Émergentes*	*Intelligence Artificielle (IA)*
Communications Libres		
08:00 – 09:00	**08:00 – 09:00**	**08:00 – 08:30**
Enregistrement & Accueil	Enregistrement	Enregistrement
09:00 – 10:30	**09:00 – 12:00**	**08:30 – 10:30**
Cérémonie d'ouverture officielle	Session Orale 1 Sécurité Alimentaire	Session Orale AMR, Posters AMR — en parallèle
10:30 – 13:00	**12:00 – 14:00**	**10:30 – 11:20**
Sessions Plénières (Parties 1 & 2) 13 conférenciers invités	Pause déjeuner	Pause-café & Réseautage
13:30 – 15:00	**14:00 – 15:00**	**11:20 – 12:00**
Pause déjeuner	Session Orale 2 Maladies Émergentes	Session Orale IA, Posters IA — en parallèle
15:00 – 18:30	**15:00 – 17:00**	**12:00 – 13:00**
Session Plénière (Partie 3) Posters & Communications libres	Sessions Posters Sécurité Alimentaire Maladies Émergentes	Cérémonie de clôture
		13:00 → Visite touristique
13 Conférenciers invités **68 Posters & Comm. libres**	**19 Communications orales** **102 Posters (FS + ED)**	**10 Communications orales** **70 Posters (AMR + IA)**

NOTES ORGANISATIONNELLES

- Tous les participants doivent porter leur badge imprimé en permanence durant le séminaire ; le respect strict du programme est requis.
- Chaque session comprend des présentations suivies d'une période de discussion ; les sessions de posters se déroulent en parallèle avec les sessions orales.
- Les posters seront présentés en format numérique sur écrans ; les présentateurs de posters doivent être présents durant leur session assignée.
- La cohérence de la mise en forme et de la langue doit être assurée tout au long du programme.

Siège : Centre de Recherche en Environnement
Avenue BOUGHAZI SAID, Alzone, Annaba — BP: 2024 Sidi Amar, Annaba 23001, Algérie
+213 56023275 | http://iohs2026.cre.dz

JOUR 1 — LUNDI 27 AVRIL 2026

Cérémonie d'ouverture, Sessions Plénières & Communications libres

📋 PROGRAMME DU JOUR 1

08:00–09:00	Enregistrement & Accueil
09:00–10:30	Cérémonie d'ouverture officielle & Présentation du séminaire
10:30–11:30	Session Plénière – Partie 1
11:30–12:00	☕ Pause-café & Réseautage (Photos officielles)
12:00–13:00	Session Plénière – Partie 2
13:00–13:30	Q & R
13:30–15:00	Pause déjeuner
15:00–17:00	Session Plénière – Partie 3 | Sessions Posters / Communications libres (en parallèle)
17:00–18:00	Q & R
18:00–18:30	☕ Pause-café & Réseautage (Photos officielles)

🎙 SESSION PLÉNIÈRE – PARTIE 1 | 10:30 – 11:30

Modérateurs : Pr. Bouslama ZIHAD ; Pr. Benaissa RACHID ; Pr. Abdelmlek HAFEDH ; Dr. Yacine KHANFRI

No	Conférencier(e)	Affiliation	Titre de la conférence	Horaire
1	**Pr. Yahia CHEBLOUNE**	*Algérie*	Vaccines and vaccionology in the era of one health	10:30–10:50
2	**Pr. Loucif LOTFI**	*CRE / Université Batna 2 (Algérie)*	Du gène à l'écosystème: la vraie dimension One Health de l'antibiorésistance	10:50–11:10
3	**Pr. Hafid AOURAG**	*Faculté de Physique, USTO, Oran, Algérie*	Une Nouvelle Méthode de Résolution des Problèmes dans le contexte de l'approche « One Health »	11:10–11:30

SESSION PLÉNIÈRE – PARTIE 2 | 12:00 – 13:00

Modérateurs : Pr. Lilia MESSADI ; Pr. Ghoulem TIAR ; Pr. Allaaeddin EL SALABI ; Dr. Mohamed AbdElGawad ElSayed AHMED

No	Conférencier(e)	Affiliation	Titre de la conférence	Horaire
4	**Pr. Benaissa RACHID**	*Algérie*	Penser la santé comme produit du territoire	12:00–12:20
5	**Pr. Souhil TLIBA**	*Algérie*	Médecine 4.0	—
6	**Pr. Fatih DUMAN**	*Turquie*	Green Pharmacology: A Journey from Toxic Solvents to Natural Deep Eutectic Solvents	12:20–12:40
7	**Pr. AbdelMohsen M.S. BAKR**	*Égypte*	Bee Venom Apitherapy: A Promising Avenue for Antimicrobial Resistance (AMR)	12:40–13:00

SESSION PLÉNIÈRE – PARTIE 3 | 15:00 – 17:00

Modérateurs : Pr. Lotfi LOUCIF ; Pr. Fatih DUMAN ; Pr. Fawzi DERRAR ; Pr. Zahira BOUDIAF

No	Conférencier(e)	Affiliation	Titre de la conférence	Horaire
8	**Pr. Abdelmlek HAFEDH**	*Tunisie*	One Health et forces Invisibles: quand l'harmonie du vivant rencontre climat, magnétisme et antibiorésistance	15:00–15:20
9	**Dr. Mohamed AbdElGawad E.A.**	*Égypte*	Tackling Multi-Drug Resistance: Phage Therapy as a Frontier Against Carbapenem and Colistin-Resistant Pathogens	15:20–15:40
10	**Pr. Allaa-eddin EL SALABI**	*Libye*	Burden of Antimicrobial Resistance in Libya, 1990 to 2025	15:40–16:00
11	**Pr. Lilia MESSADI**	*Tunisie*	Importance of the environment in antimicrobial resistance	16:00–16:20
12	**Pr. Ali BOUATTOUR**	*Tunisie*	Arbovirus surveillance in Algeria and Tunisia with a focus on the One Health approach	16:20–16:40
13	**Pr. Alessandra TERENZI**	*Italie*	Approche intégrée de la biodiversité urbaine: gouvernance, dimensions sociales et perspectives One Health dans le contexte méditerranéen	16:40–17:00

COMMUNICATIONS LIBRES – POSTERS | 15:00 – 17:00

Salle P1 / Écrans S1 & S2 — Modérateurs : Dr. Nessabia ISSAM, Dr. GASMI Intissar, Dr. BELBEL Fatma

Salle P2 / Écrans S1 & S2 — Modérateurs : MELLOUK Manel, Dr. ALEM Mohcene, Dr. BECHEKER Ali

Salle P3 / Écrans S1 & S2 — Modérateurs : Dr. TICHATI Lazhari, Dr. DJAMAI Zahra, Dr. ARIF Salah

No	Présentateur(e)	Co-auteur(s)	Titre de la communication
1	**ABDI Meriem**	*Saliha LAROUCI, Ahlem MESSAL*	Evaluation of the MTHFR C677T Polymorphism as a Risk Factor for Renal Cell Carcinoma in the Algerian Population
2	**AILANE Leila**	*Imene TEBBOUB, Halima GRINI*	LC-MS/MS Characterization of a Half-Century-Old Virgin Olive Oil: Evaluation of its Nutritional Quality Stability
3	**AISSAOUI Amira**	*ZIANI Mouna, BOUGHELOUM Khadidja, Kouri Karim ACHOUR, Mezaini RADJA*	Assessment of markers of oxidative stress in Algerian asthma patients: a comparative study between rural and urban environments
4	**AMRI Sandra**	*Lamia BENHALIMA, Saber BELHAOUES, Mourad BENSOUILAH*	Ecological risk Assessment of the Gulf Annaba (Algeria, southeast Mediterranean Sea)
5	**BEKHAKHECHE Manel**	*Saidi MALIKA, Elbah DJAMILA, Tebboub IMEN, Kerboua KAWTER, Mekita OISSEM, Brahim Bounab KHAWLA, Boukhrouf ROUMAISSA*	Insecticidal activity of Rosmarinus officinalis essential oil against adult Blattella germanica
6	**BELMAHDI Amina**	*Karbab AHLEM, Belattar HAKIMA, Himour SARA, Charef NOURREDINE*	Impact of Psyllid Infestation on Antioxidant Activities of Olive Leaves (Olea europaea L.)
7	**BENABBAS Khaled**	*Trirat TABET, Chouafa MOHAMED, Ali Rachedi SOFIANE, Hocini IMENE, Benhalima HADIA, Chibini HEITHEM*	Engineering Soil Moisture Retention Using Polymer–Biochar Composites
8	**BENCHAABANE Samia**	*Ahmed Sabri AYAD, Wahida LOUCIF*	Effects of Titanium Dioxide Nanoparticles (TiO_2) on Hypopharyngeal Glands in Worker Honeybees (Apis mellifera intermissa)
9	**BENHALIMA Yasmine**	*KHERROUBI Mounir, KHELIFI Hadjer*	Theoretical Analysis of Cereal Cultivation in Algeria and Its Implications for Food Security

No	Présentateur(e)	Co-auteur(s)	Titre de la communication
10	**BENZAOUI Meryem**	*Imene CHENTIR, Adel AOUICHE*	A Comparative and Evaluative Study of the Antioxidant Activity of Olive Mill Wastewater and Olive Pomace Using DPPH and FRAP Assays
11	**BERRIGHI Nabila**	*Zahra Nour El Houda KHIAR, Amira BENAICHA, Karima BENAICHA, Chaima GHERZOULI*	Rheological and Sensory Assessment of Healthy Mayonnaise Fortified with Different rate of Essential Oils
12	**BOUAMEUR Miled**	*Naila Doria BOUCHEDJA, Nassim MADI, Nassim NOURI, Lamia ELMECHTA, Yacine AMAR*	Microbiota Dysbiosis in Hashimoto's Thyroiditis: A Case-Control Study Based on 16S rRNA Sequencing
13	**BOUBACAR DEMBA Traore**	*Rabah ZEBSA, Zinette BENSAKHRI, Bouznad IMAD-EDDINE, Meriem Imen BOUSSADIA, Djamal BENGUSMIA, Amira CHORFI*	Monitoring Drought for Cereal-Based Food Security in Semi-Arid Regions of Northeast Algeria
14	**BOUCHAIR Selma**	*Chayma BOUCHAIR, Taqiyeddine BENSOUILAH, Moussa HOUHAMDI*	Unraveling Animal-Driven Fecal Contamination and Surface Water Degradation in the Seybouse River Through a Multi-Index Approach within a One Health Framework
15	**BOUHADDOUDA Nabila**	*Amina DRIDI*	Antioxidant and anti-inflammatory potential of Salvia officinalis L. essential oil in the prevention of emerging diseases
16	**BOUHAFS Leila**	*Chahinez BOULLOUF, El hadjela DERAI, Houria OULED-HADDAR, Claire BRUN, Elara N. MOUDILOU*	Placental glycogen storage and GLUT4 expression in streptozotocin-induced diabetic rats during gestation
17	**BOUKERZAZA Rania**	*Chamseddine DERABLI, Chawki BENSSOUICI, Abdellatif BEN KAIDA, Rami BOUMENDJEL*	Biological Profiling of Halogenated Salicylaldehyde-Derived Imine and Amine Derivatives: Antioxidant Capacity and Anticancer Activity
18	**BOULAHIA Karima**	*Sihem OSMANE, Chaima OULD SAID, Ouzna ABROUS-BELBACHIR*	Mitigation of Basagran®-Induced Oxidative Stress in Vigna unguiculata Seedlings by a Biostimulant Treatment
19	**BOULLOUF Chahinez**	*Leila BOUHAFS, El hadjela DERAI, Houria OULED-HADDAR, Claire BRUN, Elara N. MOUDILOU*	Histopathological and Morphometric Characterization of Placental Dysfunction, Oxidative Stress, and Caspase-3–Mediated Apoptosis in Diabetes During Pregnancy
20	**BOUMAAZA Nour El-Houda**	*Abdelkader DJOUAMAA, Hana BOUZAHOUANE, Moundji TOUARFIA, Kaouther LAIBI, Rayene DJABOURABI, Azzedine CHEFROUR*	Ethnoculinary Practices Shaping the Ethnomedicinal and Food Safety Potential of Cherry (Prunus spp.) in the Souk Ahras Region, Algeria
21	**BOUSSAADA Zakaria**	*Radia DRAIAIA, Abd el ghani BOUAMRANE, Nabila ATHMANI, Tarek HAMEL, Ali BOUAZIZ*	In Silico Molecular Docking Study of Luteolin and Apigenin from Lantana camara L against Amyloid Precursor Protein (APP) as Potential Anti-Alzheimer Agents
22	**BOUSSENAENE Hanane Nadia**	—	Assessment of the Inula Viscosa plant's prooxidative impact in vitro
23	**BOUTABBA Naima**	*Mohamed Lamine TOUMI, Radia DJELLOUL*	Preliminary phytochemical screening of methanolic extracts of Rosmarinus officinalis L. and Papaver rhoeas
24	**BOUTRID Safinez**	—	Protective effect of the flavonoid extract of Ranunculus repens against hyperglycemia and pancreatic damage in an experimental model of glucotoxicity
25	**CHAHRAZED Dersouni**	*Hanane LABED, Mouad BOULACEL, Salima AZZOUZI, Mostafa LAFHAL*	Phytochemical and Antioxidant Investigation of Silybum marianum
26	**CHAIMA Hadfi**	*DJERMANE NADIA, BEN AICHA BRAHIM*	Breast Cancer as an Emerging Public Health Priority in Tebessa, Algeria: A Retrospective Analysis of Molecular Subtypes and Clinicopathological Patterns (2018-2024)
27	**CHIKH ECHIOUKH Khadidja**	*MOKHTAR Mériem, KEDDARI Soumia*	Extraction and Characterization of Calcium Carbonate from Sea Urchin Shells from the Algerian Coast: Comparison with a Commercial Standard
28	**CHOUABIA Amel**	*Leila MALLEM*	L'intérêt de la plante spontanée Genista numidica dans l'atténuation de l'abamectine

No	Présentateur(e)	Co-auteur(s)	Titre de la communication
29	**DJABALI Dounia**	*Naimi DALILA, Panzavolta SILVIA, Caliceti CRISTIANA, Angela PUNZO, Bouhadjar MEROUA*	Optimization of Mucin-Based Nanoparticles for Punica granatum Delivery and In Vitro Evaluation on Human Colorectal Cancer Cells (Caco-2) in the Context of IBD Progression
30	**DJABOURABI Rayene**	*Hana BOUZAHOUANE, Moundji TOUARFIA, Abdelkader DJOUAMAA, Mohcen MENAA, Kaouther LAIBI, Nour El Houda BOUMAAZA, Azzedine CHEFROUR*	Enhancing Food Safety and Sustainable Cherry Production through Biodiversity-Driven Pollination Strategies in Souk Ahras, Algeria
31	**DJAHIDA Bouras Amel**	*AMOURI Adel Amar*	Phenotypical diversity of faba bean (Vicia faba L.) in Algeria and selection of salt-tolerance and sensitive ecotype
32	**DJEDI Hind**	*MECHAKRA H, BELLOUTI C, MERDES L*	Stomatite prothétique et biofilm: une approche one health
33	**ELMEZOUED Djamel Eddine**	—	Impact of biofertilizers on the agronomic performance of artichoke (Cynara scolymus L.) cultivated under semi-arid conditions (Relizane, Algeria)
34	**ENNAGHRA Nadjet**	*BOUDJELLAB ZINE EDDINE, GHANNAM MAYA, BOURZAMA GHANIA, BOUNHILET WIDED, BOUDJBIBA DJABALLAH HANA, RAMDAN ASMA*	Prevalence of superficial mycoses in skikda region
35	**FELLAH Khadidja**	*Hoggui GHOUFRAN*	Potential Antidiabetic Effects of a Polyherbal Aqueous Extract in Alloxan-Induced Diabetic Rats
36	**FRIH Abdelaziz**	*Nadia ZIANE, Rached HADIBY, Hacene FRIH, Rachid ROUAG*	Hematological Biomarkers of Environmental Stress in the Mediterranean Pond Turtle (Mauremys leprosa) from Contrasting Freshwater Habitats in Northeastern Algeria
37	**HAMDI Imane**	*Ouafa DEROUICHE, Ouahiba FARES*	Statistical study of colorectal cancer in the wilayas of El Oued, El Meghaier and Ouargla
38	**HAMDIKEN Malika**	*BOUZITOUNA Amina, OUMEDDOUR Mehdiya, FOFANA Adama Aliou, LAOUAR Hadia*	Enhancing food safety through sustainable biotechnological modulation of bean using date seeds agricultural waste
39	**KADDOUR Sabrina Manel**	—	Antioxidant-Mediated Hepatoprotection of Ephedra alata in a Rat Model of Oxidative Liver Injury
40	**KADRI Rayene**	*DJEKOUN Abdelhamid*	In Silico Design of a Novel High-Permeability Biguanide drug
41	**KAHALERRAS Labiba**	*Ines OTMANI, Lyes KHENE*	Toxicological Effects of Metal Oxide Nanoparticles on the Terrestrial Bioindicator Cornu aspersum
42	**KEHILI Houssem Eddine**	*Khawla OTMANI, Khadidja BEKHOUCHE, Saber MESSAOUDI, Amira LABED*	Exploring Plant-Derived Therapeutics for Emerging Health Challenges: Real-Time Cell Analysis of Algerian Atriplex halimus L. Anticancer Potential
43	**KERMICHE Zoulikha**	*Mounira ARIECH, Omar AOUN, Abed ARABI*	Contribution of Lactic Acid Bacteria to the Production of High-Value Biomolecules
44	**KHEROUF Amel**	*Marwa KHEROUF, Imene TEBBOUB, Houssem CHENNA, Ouassila AOUACHERI, Sarra LAMARI*	Antityrosinase Potential and LC–MS/MS-Based Compound Profiling of an Aqueous Ultrasound-Assisted Extract of Lavandula stoechas
45	**KHEROUF Marwa**	*Kherouf AMEL, Tebboub IMEN, Houssem CHENNA*	Evaluation of the antityrosinase potential of stigma maydis extract and lc–ms analysis
46	**KHIARI Nada**	*Akila DJEBBAR*	Artificial Intelligence–Based Approaches for Enhancing Healthcare Interventions and Support for Children with Autism Spectrum Disorder
47	**LADACI Hadjer**	*LOUDJANI FARIDA, LADOUALI ZINEB, ABDENNOUR CHERIF*	Étude de l'effet de cistus monspeliensis sur l'intégrité génomique des spermatozoïdes chez le rat mâle soumis à une toxicité au plomb
48	**MAZOUZI Mohammed**	*Mazouzi MOHAMMED, Yaacoub FADJERIA*	Study of the nutritional value of red meat from animals raised in the Biskra and Khenchela region

No	Présentateur(e)	Co-auteur(s)	Titre de la communication
49	**MESSAOUDI Douaa**	*Amani BEDDIAF, Imane FELLAH*	Ethnobotanical Study Of a Medicinal Plant – Euphorbia paralias L. – In The Wilaya Of El Taref; North-East of Algeria
50	**MESSAOUDI Sabar**	*Houssem Eddine KEHILI, Boutheyna ARIBI, Chahinez MECHATI, Zahia KABOUCHE, Sakina ZERIZER*	Study of the hepatoprotective and antihyperlipidemic activities of Citrullus colocynthis (Cucurbitaceae) seed oil
51	**REMITA Feriel**	*Merad FAYCEL, Bouslama ZIHAD, Bencheikh RYM*	Utilisation des nanoparticules vertes pour la dépollution des eaux industrielles chimiques: étude de cas du laboratoire El Kendi
52	**SAIFI Hadjer**	*Rayane SAIFI, Messaouda BENABDELKADER*	Polarographic Approach for the Quantitative Control of Vitamin C in Commercial Fruit Juices
53	**SAMAI Messaouda**	*Aicha HAMMOUDI*	Removal of Paracetamol from Aqueous Solution Using Activated Carbon: An Experimental Study
54	**SEKKAI Asmaa**	*Sarra Louiza ABBAS, Mylissa CHAOUADI, Kamilia GHARBI, Fadila TAZEROUTI*	Digenean parasite infections in the red porgy (Pagrus pagrus), a sparid fish from Algeria
55	**SIAH Sara**	*Ghania CHAIB, Yahia KHELEF, Saida CHOUGUI*	Study of different storage temperatures on the nutritional value of two tomato varieties grown in two different environments
56	**SIDI IKHLEF Amel**	*Kaddour ZIANI, Wafaa ARABI, Bankaddour ZERAGUI*	Assessment of Quality Attributes of Pistacia lentiscus Oil from Saïda
57	**TALEB Salima**	*Djouhaina DJOULAH, Leila ROUIGUI*	Eating behavior, nutritional status and digestive disorders in children with autism spectrum disorders
58	**TALEB Salima**	*Amira AOUNALLAH, Sara MEZHOUD*	Breast cancer hereditary, dietary and environmental risk factors in eastern algeria: a retrospective case-control study
59	**TATA Tahar**	*Lazhari TICHATI, Ibtissem ANGUEL, Saoussene CHERNINE, Ikram OUARI, Abd el Malek HASNI*	Initial Assessment of Macroplastic and Microplastic Pollution in the Gulf of Annaba (NE Algeria)
60	**TEBBOUB Imane**	*Maroua KHEROUF, Amel KHEROUF, Leila AILANE, Malika SAIDI, Manel BEKHAKHECHE*	UHPLC-MS/MS phytochemical profiling and in vitro α-glucosidase inhibitory activity of Marrubium vulgare L. methanolic extract from Algeria
61	**TELAILIA Nafissa**	—	Study of osmotic pressure in potato
62	**ZABOUB Nada Malak**	*Amira Leila DIB, Marzia ALBENZIO, Sabrina BOUSSENA, Said BOUKHECHEM, Hithem BOUGHERARA, Antonella DELLA MALVA*	Influence of Different Protein Sources on Muscle-related Biochemical Markers in Exercised Rats
63	**ZAIME Laila**	*Cherifa AOUATI-BITAT, Anissa NINI*	Turner syndrome with isochromosome 46,Xi(Xq): a case report
64	**ZAIME Laila**	*Cherifa AOUATI-BITAT, Anissa NINI*	Madelung's deformity is revealing sign of Turner syndrome: a case report
65	**ZEGHOUMA Dounia**	*Abderachid SLIMANI, Nouara BENSLIMANE, Dorsaf BENHAOUAS, Mohamed Anis AOUIDANE*	Wheat pest bioecology and monitoring in northeastern Algeria: comparing the Constantine (Ayadi, 2019) and Annaba (Zeghouma et al, 2025) field campaigns
66	**ZEMOURI Salima**	—	Bioactive compounds, anticholinesterase and free radical scavenging activities of jujube extracts (Ziziphus jujuba L.) cultivated in Algeria
67	**ZIAT Nour El Houda**	*Serine SOUDANI, Wafa TAHAR, Rayene FERRAH*	Drought Tolerance in Barley (Hordeum vulgare L.): Linking Leaf Water Status and Membrane Integrity with Grain Quality and Food Safety
68	**ZOUAGRI Imane**	*Massakib BEKKAYE*	Enhancing Maize Productivity and Food Safety under Saline Stress Using Plant Growth-Promoting Rhizobacteria (PGPR)

JOUR 2 — MARDI 28 AVRIL 2026

Sécurité Alimentaire & Maladies Émergentes

PROGRAMME DU JOUR 2	
08:00–09:00	Enregistrement
09:00–12:00	Session Orale 1 — Sécurité Alimentaire (10 min/communication)
10:05–10:30	Pause-café & Réseautage
12:00–14:00	Pause déjeuner
14:00–15:00	Session Orale 2 — Maladies Émergentes (10 min/communication)
15:00–17:00	Sessions Posters – Sécurité Alimentaire & Maladies Émergentes

SESSION ORALE 1 — SÉCURITÉ ALIMENTAIRE | 09:00 – 12:00

Modérateurs : Pr. DJEBAR Mohammed Réda ; Dr. Nabila BERRIGHI ; Pr. Fadila KHALDI

No	Présentateur(e)	Co-auteur(s)	Titre de la communication
Conférencier invité	**Prof. JAOUADI Bassem**	-	NGS-Based Discovery of Extremozymes from Tunisian and Algerian Biotopes: Toward Sustainable Industrial and Environmental Applications within a One Health–Driven Circular Bioeconomy
1	**AZOUZ Mounira**	*Hakim BACHIR, Samiha BENAROUS, Wassima LAKHDARI, Abderrahmane DEHLIZ, Mohammed BERRAKBIA, Hocine IREKTI, Farah BAROUDI, Moussa MOKHTARI, Malika DOUZANE, James Jacob SASANYA*	Application of Nuclear and Isotopic Analytical techniques for enhanced food safety monitoring in Algeria
2	**BACHIR Hakim**	*Mounira AZOUZ, Mohamed BERRAKBIA, Wassima LAKHDARI, Abderrahmane DEHLIZ, Hocine IREKTI*	Environmental Impact of Pesticide Use and Transfer to Food Products: The Case of Tilapia Farming in Pond Systems
3	**BECHEKER Ali**	*Neila BADA, M. Hichem KARA, Lamya CHAOUI*	Application of the One Health Concept to the Study of Mugilidae Species in Algeria
4	**BENCHEIKH Rym**	*Faycel MERAD, Feriel RÉMITA*	Food Safety in Street Food Sector in Algeria: A One Health Approach to Hygiene Practices and Public Health Risks
5	**BOUBAKRI Kamel**	*María Cecilia ARISTIMUÑO FICOSECO, Franco SEGLI, Tayeb IDOUI, Patricia CASTELLANO, Lucila SAAVEDRA, Graciela VIGNOLO*	Lactic acid bacteria isolated from laboratory-prepared Kaddid for autochthonous functional starter culture selection. Focus on spoilage prevention and safety
6	**BOUFEKANE Bilal**	*Hasnia ABDELDJEBAR, SOUSSI Fayçal, Elyes KELAI*	Seasonal distribution of toxic heavy metal levels (Pb, Cd, Al) and trace elements (Cr, Cu, Zn, Fe) in hepatic and muscle tissues of the salema Sarpa salpa from Beni-Saf Bay: risk assessment for consumers
7	**DERDER Anissa**	*Selma BEKKA, Meryem Yassamine KHELIL*	Valorization of Moringa oleifera Seed Coat as a Natural Antibacterial Ingredient for Safe Functional Muffins within a One Health Framework
8	**DJAMAI Zahra**	*Baada NEILA, Arif SALAH, Belbel FATMA, Saili LINDA, Mellouk FATMA ZOHRA*	Pollinator Supporting Flora of a Mediterranean Wetland: A One Health Perspective on Food Safety and Ecosystem Services

No	Présentateur(e)	Co-auteur(s)	Titre de la communication
9	**GABSI Khadra**	*Djebar ZAKARYA, Boustaila Sakina RIANE, Boudalia SOFIANE, Bousbia AISSAM*	A One Health Approach to Aflatoxin M1 Contamination in Raw Milk: Linking Animal Feed, Milk Safety, and Human Health
10	**HALLACI Somia**	*Zebsa RABAH, Bensakhri ZINETTE, Djebbar ZAKARYA, Houhamdi MOUSSA*	Risk Assessment of Dairy Products in Eastern Algeria
11	**HUSSEIN Sahar**	*Amani M.D. EL-MESALLAMY, Abdelmohsen M. SOLIMAN*	Natural Preservation Strategies Using Pomegranate Peel and Rosemary Leaf Extracts
12	**KHALLEF Ahlam**	*Islam DAMMAK, Synda CHENENAOUI, Zohra HAMDI, Selim JALLOULI, Ahmed MLIKI, Sami SAYADI, Mahmoud GARGOURI*	Biopreservation of dates using citrus peel waste-derived essential oils: a circular economy approach to postharvest mycotoxin control
13	**KHEDDOUMA Asma**	*Laiche AOUIDANE, Abdelwaheb BENHOCINE, Houssemeddine BENTOUNSI, Ramzi BEZGHICHE, Houria BOUTERAA, Dalia KELLIL*	Antibiotic-resistant bacteria in food: a molecular investigation of an emerging global threat in table eggs
14	**RAHMANI Faten**	*Habiba KOUKI, Moktar HAMDI, Souhir BOUAZIZI, Mohamed Amine KHAMMASSI, Widad ZERNADJI, Mouna SOUIHI, Sylwester BULKA, Urszula GRYCZKA, Fatma HMAIED*	Decontamination and preservation of physicochemical quality of dried tomatoes using Low energy e-beam
15	**SEMMARI Amani**	*Azzedine ABDI, Karima BOUTI, Faiza BAALI, Nadjette DJEMOUAI, Atika MEKLAT, Alim MOKRANE*	From Cymbopogon schoenanthus Essential Oils to Poultry Feed Safety: Inhibition of Fungi and their Aflatoxin B1 production

SESSION ORALE 2 — MALADIES ÉMERGENTES | 14:00 – 15:00

Modérateurs : Pr. Tarek MERAD ; Pr. Ali BOUATTOUR ; Pr. Idir BITAM ; Pr. Souad ZITOUNI

No	Présentateur(e)	Co-auteur(s)	Titre de la communication
1	**AIDAOUI Latifa**	*Houssem Eddine AMIRI, Zahira BOUDIAF, Fatma Zohra KROUMA*	Hydatid Cyst Mimicking Ovarian Cyst: A Case Report
2	**BELKHARCHOUCHE Mounira**	*Keltoum BETTAHER, Chahinaz YOUCEF, Abdallah AOUADI*	Epidemiological profile of Leishmaniasis in Tiaret (Northwest of Algeria)
3	**BOUDIAF Zahira**	*H. SEHAB, A. BOUARICHA, A. TOUAREF, D. BENABID, F.Z. BELLOUCIF, S. BENYAHIA-HAMIDI, M. BERREDJEM, S. NEDJAI, A. MAMMERI*	Clinical and Prognostic Features of West Nile Fever at the Infectious Diseases Department of Annaba University Hospital (2024-2025)
4	**LAABASSI Farouk**	—	Epidemiology of Orthoflaviviruses in equids in Algeria

SESSION POSTER SÉCURITÉ ALIMENTAIRE | 15 :00 – 17 :00

Moderator: Room 1 / Screens S1 & S2: DR. ZERIRI Ibtissem; Dr. SOUSSA Amel — Poster FS 01-25
Moderator: Room 2 / Screens S1 & S2: Dr. BENDJAMA Esma; Dr. DJAMAI Zahra — Poster FS 26-50
Moderator: Room 3 / Screens S1 & S2: Dr. MANSOURI Rachida; Dr. GASMI Intissar — Poster FS 51-86

No	Présentateur(e)	Co-auteur(s)	Titre de la communication
1	**DIHIA AIT CHERIF**	*F. ADJEMOUT, M. AZOUZ, H. BACHIR, J. HOUDEIB, G.*	Food Safety Assessment on Animal-Derived Foods: Detection of Pesticide and Antibiotic Residues Using Nuclear Techniques

No	Présentateur(e)	Co-auteur(s)	Titre de la communication
		ZITOUNI, I. ATTIA, S. LAMMI, M. Douzane	
2	**DJEBAR Alia**	*Lyes KHENE, Houria BERREBBAH*	Ultra-processed foods in Algeria: A new Public health challenge
3	**HAMDANI AMEL**	*Amina RABEI, Isma MERAD, Nedjoua ZAIDI*	Biomarkers Responses in the Edible Bivalve Donax trunculus Following Exposure to depuration period
4	**IBTISSEM Anguel**	*Tahar Tata, Lezhari Tichati, Leila Amrani-Kirane*	Toxicological impact of Aluminum Phosphide on Pulmonary Tissue and Oxidative Stress Biomarkers in Male Wistar Rats
5	**IMANE ATAILIA**	*Rokaia CHIH, Rahma BOUCHELKIA, Anis CHIKHOUNE*	Antioxidant effect of mastic essential oil (Pistacia lentiscus L.)
6	**LILIA Ayachi**	*Amina Salhi Mesbahi*	Bacteriological Quality of Spring Water in the Séraïdi Region, Annaba
7	**NEILA BADA**	*Zahra Djemai, Ali BECHEKER, Salah ARIF, Intissar GASMI*	Spatial Assessment of Coastal Vulnerability in the Gulf of Annaba: Implications for Marine Food Security within a One Health Framework
8	**NEILA BADA**	*Farid DERBAL*	Range Expansion and Abundance Increase of the Invasive Brachyuran Percnon gibbesi and Its Ecological Effects on Native Decapods in the Gulf of Annaba
9	**IMÈNE BECHEKER**	*Ali BECHEKER, Chaima BATTAZE, Lina BOULABEIZ, Nada BOUHEDDOUF, Mayssa BOULEKHSSAIM*	Microbiological safety assessment of packaged and bulk spices commercialised in the Wilaya of Skikda (Algeria)
10	**MOHAMED ANESS BEKADA**	*Yasmine BENABDESSELEM, Taha Ahmed BENABBOU, Rachida MEKKI, Kadda HACHEM*	Prebiotic Potential of Foeniculum vulgare Mucilages in Probiotic Yogurt Formulations
11	**INES Bekhouche**	*Meriem FERFAR, Nihed BEKHOUCHE, Youssouf DRIOUCHE*	Bread Improvers and Food Safety: A One Health Toxicological Assessment Using Helix aspersa
12	**SABER Belhaoues**	*Amri Sandra, Benhalima Lamia, Rahim Ouahab, Chouafa Mohamed, Bensouilah Mourad*	Coliform Bacteria in Perna perna Mussels from Annaba Gulf: Environmental Drivers and Food Safety Implications
13	**ESMA Bendjama**	*Widad CHELAGHMA, Imane GHEBACHE, Khaoula Lamis GHOUAS, Jean-Marc ROLAIN, Lotfi LOUCIF*	Occurrence of Foodborne Pathogens in Retail Raw Milk from Batna, Algeria, Identified by MALDI-TOF MS
14	**MAROUA Bensaid**	*Cheraitia Souad, Yaiche Fatma, Meksem Roubeila, Farfar Khadija, Djebar Berrebah Houria*	Protective effect of plant extracts against combined toxicity (NiO, Cd) in Lactuca sativa
15	**NABILA Berrighi**	*Chaima GHERZOULI, Zahra Nour El Houda KHIAR, Amira BENAICHA, Karima BENAICHA*	Impacts of Olive Oil, Beans and Bay Leaf Flours as Functional Ingredients on Chips Antioxidant Activity and Antimicrobial Growth
16	**RADI BEZZAH**	*Guendouz DIF, Houssem CHENNA, Omrane TOUMATIA*	Genomic Characterization of the Biocontrol and PGPB Potential of Pseudomonas lactucae WH6: Towards an Integrated Approach to Crop Food Safety
17	**SAMIA Bouanani**	*Boutheina Soltani*	A study of the physicochemical, microbiological and sensory quality of Camembert cheese made from cow's and goat's milk produced at the Edough dairy
18	**SAMIA Bouanani**	*Oumaima Saadjellal*	Physico-chemical, microbiological and sensory evaluation of three Algerian commercial flans (Edough, Soummam and Hodna)
19	**HANENE BOUCHIHA**	—	Assessment of pesticide toxicity in Wistar rats: focusing on different indicators

No	Présentateur(e)	Co-auteur(s)	Titre de la communication
20	**RAMZI Boumachrouk**	*Fayçal Khelfaoui*	From Mine to Field: Acid Mine Drainage Driven Metallic Trace Element Contamination of the Oued Essouk–Guenitra Dam System: A Food Safety Concern (NE Algeria)
21	**GHANIA Bourzama**	*Sarah Benouagueni, Tichati Lazhari, Khaoula Boudjaber, Lilia Boussouf, Chaima Sallami, Merabet Abdennour*	Natural Additives from Wild Fruits: Their Role in Yogurt Quality and Preservation
22	**SOUAD Cheraitia**	*Bensaid Maroua, Habbach Merirm, Harrat Leila, Djebbar Houria*	Physiological and Biochemical Responses of Lens culinaris to Biosynthesized Metallic Nanoparticles
23	**MAROUA Cheribot Cherif**	*Hicham Boughendjioua, Hazem S. Elshafie, Ippolito Camele, Tarek Tahraoui*	Purity evaluation and antifungal activity of Cinnamomum camphora essential oil
24	**FATMA Djamaa**	*Meriem Rouaiguia, Asma Hamel, Widad Belkhiri, Sofia Soudani*	Evaluation of Aspergillus flavus Contamination in Wheat and Its Impact on Human Health via Mycotoxins
25	**ZAKARYA Djebar**	*Soumia Hellaci, Sakina-Riane Boustaila, Khadra Gabsi, Samia Battah*	Analyse de la qualité sanitaire du lait cru : de la production à la transformation
26	**SAMIA Djeffal**	*Walid Kellil, Souheila-Bouchra Benlaksira, Faiza Tekkouk, Rachida Aimeur*	Physicochemical and Microbiological Quality Assessment of Poultry by-Product Meal
27	**KHADIDJA Farfar**	*Amira Youbi, Manel Derradji, Bensaid Maroua, Berrebbah Houria*	Performance de la phytoremédiation par Mentha aquatica L. dans l'abattement des indicateurs microbiens
28	**SAMIA Fernane**	*Mohamed Ezzouaoui, Mohamed Tarek Lebres*	Food quality assurance: Monitoring of good hygiene and manufacturing practices for mineral water
29	**HALIMA Grini**	*Karima Zaalani, Leila Ailane*	First evidence of microplastic contamination in Honeys from Skikda, Algeria
30	**DELHOUM Hadia**	*Aiza Asma, Amira Khedidja, Djeghader Nour El-Houda*	Phytochemical Characterization and Evaluation of the Antioxidant Potential of Honeys
31	**BENNACER Hadjer**	*Haddad Hind, Bergal Amira, Boumaraf Warda*	Study of Melliferous Biodiversity and Honey Diversity in El Tarf
32	**NOUZHA Heleili**	*Dorea Ameur, Fares Khermouche, Manel Merradi, Zahra Rouabah, Yasmine Oucheriah, Safia Belkhir*	Effect of Mentha flavoring on physicochemical and antimicrobial properties of apple vinegar
33	**IMENE Heroum**	*Amel Soussa*	Food Safety and Public Health: Risks, Prevention, and Control
34	**BEBOUR Hiba**	*Benhalima Lamia*	Evaluation of Biofilm Formation by Multidrug-Resistant Klebsiella oxytoca
35	**BEBOUR Hiba**	*Benhadj Mabrouka, Zitouni Abdelghani*	MALDI-TOF identification of bacteria isolated from meats
36	**HAMZA Houamria**	*Fayçal Layachi, Abdelali Merah*	Kinetics of Nitrate Degradation in Food Products
37	**HAMZA Houamria**	*Layachi Faycel, Merah Abdelali*	Contrôle qualité des boissons gazeuses : dosage des phosphates
38	**ASSIA Kalarasse**	—	Ergot (Claviceps purpurea), a Menace to Humans and Animals
39	**LAIBI Kaouther**	*Touarfia Moundji, Bouzahouane Hana, Djouamaa Abdelkader, Menaa Mohcen, Boumaaza Nour El Houda, Djabourabi Rayene, Chefrour Azzedine*	Innovative Techniques for Sustainable Food Safety: Agroecological Pathways

No	Présentateur(e)	Co-auteur(s)	Titre de la communication
40	**NADJET Khacha**	*Gherairia Nesrine, Awatif Fetouhi, Wafa Rezaiguia*	Isolation and Selection of Extremotolerant Lactic Acid Bacteria
41	**NOUR ELIMAN Khechai**	*Latifa Boultif, Assia Boudebza, Yousra Bounah*	Antibiotic Residues in Milk: Review and Health Implications
42	**MERYEM Yassamine Khelil**	*Sabah Razi, Karima Kadri, Malak Filali, Anissa Derder, Fatma Souissi*	Salicylic Acid-Induced Activation of Antioxidant Enzymes in Tomato Plants
43	**LYES Khene**	*Berrebbah Houria, Djebar Mohammed Reda*	Phytotoxic Effects of Ibuprofen Residues on Wheat
44	**AMINA Labed**	*Soumia Sebaa, Jerzy M Behnke, Marawan A Abu-Madi*	Food-Related Risk Factors and Seroprevalence of Toxoplasma gondii
45	**BELKISSE Laraissia**	*Wissem Abdaoui, Rym Merabet, Djamel Eddine Benouareth*	Global Glyphosate Contamination and Food Systems
46	**SALIHA Larouci**	*Meriem Abdi, Farid Bensalah*	Molecular Identification of Enterococcus species
47	**NORA Mahfouf**	*Nourhane Nacer, Hayatte Massoudi, Asma Hadji, Yasmine Bekhouche, Anfel Boussafsaf*	Assessing Food Safety in Two Tilapia-Based Integrated Farms
48	**MOUNIA Megaache**	*Imène Kerbache, Omar Bennoune*	Microbiological alterations in Sardina pilchardus
49	**MESSAOUDA Meraghni**	*Raouhia Messiad*	Phytochemical Composition of Olea europaea L. Leaf Extracts
50	**INES Merouani**	*Ketif Amel*	Surveillance des résidus de pesticides dans les agroécosystèmes
51	**ROUHIA Messiad**	*Messaouda Meraghni, Ouissal Saci*	Fumigant toxicity of Thapsia garganica Essential Oil
52	**ALDJIA Mihoubi**	*Manel Youb*	Physico-chemical analysis of fast foods in Batna
53	**MOUMENI Nardjes**	*Bouchareb Meriem*	Chemical Risk Factors in Food Safety
54	**DERAMCHIA Nawel**	*Benabdelmoumene Djilali, Bouhrem Ilyes, Dahmouni Said, Bengharbi Zineb*	Valorization of dates in kefir production
55	**ALLIOUI Nora**	*Mahdjoub Zeyneb, Necir Khaoula, Amrani Asma*	Food safety using natural products
56	**RIYADH Rahmouni**	—	Toxicological Modeling of Eucalyptus camaldulensis Essential Oil
57	**ZAHRA Rouabah**	*Nouzha Heleili, Manel Merradi, Khermouche Fares, Menad Hammoudi*	Production of traditional cheese from goat's milk
58	**BOUZIANE Saad**	*Badreddine Saadali*	Valorisation de la qualité des eaux souterraines
59	**SERINE Soudani**	*César Poza-Carrion et al.*	Essential Oil–Induced Resistance in Tomato
60	**RAMDANI Souhila**	*Kaanin Ghania*	Fish External Pathologies as Bioindicators
61	**MAAMCHA Tahar Nazim**	*Bensouilah Taqiyeddine, Houhamdi Moussa*	Contribution of Parus major and Cyanistes caeruleus to Food Safety
62	**BENLATRECHE Tarek**	*Boualia Boutheina, Zerizer M. ed Amine*	Antifungal study of dichlorido complex against Aspergillus
63	**FATIHA Tetili-Louaileche**	*Farida Bendali*	Prevention of food poisoning due to toxinogenic S. aureus
64	**AYA Trad**	*Foufou Ammar, Sayed Ibtissem*	Agroecological Practices and Pesticide Reduction
65	**AMIRA Youbi**	*Manel Derradji et al.*	Integrated Phytoremediation-Hydroponic Systems

No	Présentateur(e)	Co-auteur(s)	Titre de la communication
66	**IMEN Zeghad**	*Nadia Aliouche, Houria Ouled-Haddar, Farida Bouremmad, Mohamed Sifour*	Hexavalent chromium removal using probiotic strain
67	**HOUCINE Benouar**	*Bendaha Mohamed Amine, Belaouni Hadj Ahmed*	Valorization of Marginal Soils via Halotolerant PGPR
68	**FADHILA Adjedj**	*Derouiche M., Aissaoui Zitoune O., Aissaoui CH., Henech F.R.*	Preservation test of traditional fresh cheese "Adghess"

Poster Session — MALADIES ÉMERGENTES | 15 :00 – 17 :00

Moderator: Room 4 / Screens S1: Dr. BELHAOUES Saber; Dr. BENHALIMA Hadia Poster ED 01-20
Moderator: Room 4 / Screens S2: Dr. FERFAR Meriem; Dr DRIDI Amina Poster ED 21-35

No	Présentateur(e)	Co-auteur(s)	Titre de la communication
1	**AIDAOUI Latifa**	*Houssem Eddine AMIRI, Zahira BOUDIAF, Fatma Zohra KROUMA*	Hydatid Cyst Mimicking Ovarian Cyst: A Case Report
1	**AMIRA AFRI**	*Bouchaala Laid, Mellouk Fatma Zohra, Saili Linda, Belbel Fatma*	Integrated Spatial Mapping of the Guerbes-Sanhadja Wetland Complex: A Strategic Tool for Pollution Mitigation and One Health Operationalization in Algeria
2	**MEHAINAOUI Aida**	*Khalfi Asma, Graine Ichrak, Benamouma Khaoula*	Study of the seroprevalence (IgM, IgG) of toxoplasmosis in pregnant women
3	**RIM Aissaoui**	*Zihad Bouslama*	Impact of COVID-19 Lockdown Measures on Air Quality in Annaba (Algeria)
4	**RIM Aissaoui**	*Zihad Bouslama*	Ethnobotanical Practices of Immunomodulatory Plants in Symptomatic COVID-19 Management: Perceptions and Uses in Algeria
5	**SABRINA Baaziz**	*Houria Zait, Rima Saadeddine, Faycal Zeroual, Khelaf Saidani, Souad Righi, Mohamed Anis Haroun*	Canine Leishmaniasis in Eastern Algeria: Seroprevalence and Risk Factors
6	**MOHAMED Sadek Bachene**	*Mohamed Anis Haroun*	Assessment of Environmental Contamination and Infection Dynamics of Eimeria spp. in Broiler Farms of Medea Province, Algeria
7	**CHIRAZ Bouraiou**	*Berrebbeh Houria, Djebar Mohamed Réda*	Study of the effects of Cypermethrin on physiological and biochemical parameters of Daphnia magna
8	**HANENE Brahmia**	—	Detecting COVID-19 disease via Customized Pre-trained CNN Architectures on hybrid Dataset
9	**SELMA Falek**	*Abdelheq Barberis*	Circulation and Molecular Diversity of Bovine Respiratory Syncytial Virus (BRSV): A Systematic Review Highlighting the Molecular Data Gap in Algeria
10	**AHLAM Fatmi**	*Wiam Saadi, Lalaoui Khouloud, Herizi Amira Wissale*	Descriptive epidemiology of hepatitis B and C in the M'sila region
11	**NADJET Frissou**	*Sofiane Imekraz, Rachida Mansouri, Abdeslem Bouzina, Mohamed Tahar Kimour, Zihad Maamcha-Bouslama*	Evolution of Emerging and Reemerging Diseases in the One Health Context: Application of Predictive Models
12	**ALIMA Gharout-Sait**	*Dassine Bellil, Sabrina Sait-Dib, Lyticia Manseur, Zahra Bellil, Ouidad Mendil, Ferhat Djoudi*	Detection and Phenotypic Characterization of Mycobacteria Isolated from Captive Animals

No	Présentateur(e)	Co-auteur(s)	Titre de la communication
13	**LAATRA Ghediri**	*Ismail Lafri, Mammar Khames*	Epidemiological trends of small ruminant brucellosis in Algeria: a systematic review
14	**ASMA Guilane**	*Meriem Ali Zouaoui, Maria Trelis, Amina Boutellis, Christen Rune Stensvold*	New host records and ribosomal lineages of Iodamoeba bütschlii at the human–animal interface
15	**MOHAMED Anis Haroun**	*Maamar Khames, Baaziz Sabrina, Said Fettata, Karine Benachour, Mustapha Oumouna*	First Serological Evidence of MERS in Dromedary camels from Algeria
16	**MOHAMED Anis Haroun**	*Ikram Haleche*	Epidemiological assessment of human brucellosis in Algeria: trends, distribution and risk factors
17	**SOUALAH Hichem**	*Ayadi Ouarda, Akmoum Mohammed, Boufertella Abdessamed, Mohamed Aziz Darghouth*	Enquête sur la theiléríose tropicale bovines dans la wilaya de Sétif et El Taraf
18	**LAADJAL Ilhem**	*Sedrati Tahar, Boubelouta Tahar*	Epidemiological Study of Human and Bovine Brucellosis in Bordj Bou Arreridj (2017–2021)
19	**NABILA Kara**	—	An epidemiological survey of intestinal parasitic infections in humans in the Setif region
20	**RAYANE Lamraoui**	*Farouk Laabassi*	First Serological Evidence of Equine Rhinovirus A (ERAV) in Algerian Horses
21	**MERIEM Laouabdia Sellami**	*Khène L., Berrebbah H., Djebar Mohammed-Réda*	Application of One Health Approach in Aquatic Pollution Control
22	**ASSIA Alaa Louhani**	*Azizi Abdennour, Bagheza Samah, Ghougal Khireddine, Achouri Abdelhamid, Bezaiou Hiba Khadidja*	L'étude de l'effet du parasitisme digestif rémergent sur les paramètres biochimiques chez les ruminants dans la région de Batna
23	**DJAMEL Eddine Merad**	*Zegdoudi Mourad*	Pathological, Epidemiological Features, and Statistical Study of Histopathological Changes in Chicken Transmissible Viral Proventriculitis
24	**NACER Eddine Messahel**	*Khaoula Matoug, Oumnia Nehaoua, Ilyes Koussa*	Epidemiology and impact of climatic factors on the distribution of leishmaniasis in Setif Province
25	**YOUCEF Islem Messarah**	*Nour El Houda Maarfia, Mohamed Aimen Zeghida, Kamel Amoura*	Cas clinique: diagnostic de la brucellose humaine aiguë au laboratoire central de biologie médicale El Bouni (Annaba)
26	**LEYLA Messerer**	*M. Zghez, N. Belhouchet*	Écologie Parasitaire et Santé Globale : L'Approche One Health face aux Parodontites à Entamoeba gingivalis et Trichomonas tenax
27	**AKMOUM Mohamed**	*Soualah Hichem, Boufertella Abdessamed, Djami Samir*	Importance du diagnostic précoce des affections podales chez les ovins
28	**ZEGHDOUDI Mourad**	*Belilet Latifa, Morsli Seloua, Bouzabata Leila*	The Role of Emerging and Re-emerging Animal Diseases in Understanding and Modeling Epidemiological Systems
29	**SAD Laib Ouafa**	—	First report of the Prorocentrum mexicanum–rhathymum species complex in the Southwestern Mediterranean Sea
30	**AMINA Saib**	*Farida Bendali, Yazid Bedouh, Fatma Belbel, Lynda Saili, Zihad Bouslama*	Culex pipiens at Lake Fetzara (Ramsar Site, Annaba, Algeria)
31	**ARIF Salah**	*Saili Linda, Messadia Samia, Ali Rachedi Sofiane, Chouafa Mohamed, Djamai Zahra, Mellouk Fatma Zohra, Afri Amira, Belbel Fatma*	Algerian Urban Wetland Syndromes: When Aquatic Contamination Weaves Interspecific Pathogenesis
32	**ARIF Salah**	*Djendli Mohamed Akrem, Ali Rachedi Sofiane, Chouafa Mohamed, Belhaouès Saber, Saili Linda, Djamai Zahra,*	Integrated Zoonosis Control from Reservoirs to Humans

No	Présentateur(e)	Co-auteur(s)	Titre de la communication
		Mellouk Fatma Zohra, Afri Amira, Belbel Fatma, Gasmi Intissar, Bada Neila	
33	**NEDJOUA Sekhri-Arafa**	*Fatima Zohra Bekakria, Oussema Boumaza, Nourhane Sekhri, Badra Aioun*	Epidemiology of superficial mycoses diagnosed at Mohamed Boudiaf hospital (Constantine)
34	**ASMAA Sekkai**	*Tahar Kernif, Bachir Medrouh, Zahra Messaoudi, Hocine Ziam, Amina Boutellis*	Molecular Identification and Phylogenetic Analysis of Theileria spp. in Ruminants from Northern Algeria

JOUR 3 — MERCREDI 29 AVRIL 2026

Résistance aux Antimicrobiens (AMR) & Intelligence Artificielle (IA)

PROGRAMME DU JOUR 3	
08:00–08:30	Enregistrement
08:30–10:20	Session Orale — Résistance aux Antimicrobiens (AMR)
09:00–10:30	Sessions Posters en parallèle (Salles différentes) : AMR (Salles 1,2 & 3) — IA (Salle 4)
10:20–10:30	Q & R (Session Orale)
10:30–11:20	Pause-café & Réseautage
11:20–11:50	Session Orale — Intelligence Artificielle en Santé (IA)
11:50–12:30	Q & R
12:00–13:00	Cérémonie de clôture
13:00 →	Visite touristique

SESSION ORALE — RÉSISTANCE AUX ANTIMICROBIENS (AMR) | 08:30 – 10:20

Modérateurs : Pr. Loucif LOTFI ; Pr. Allaaeddin EL SALABI ; Dr. Mohamed AbdElgawad Elsyed AHMED

No	Présentateur(e)	Co-auteur(s)	Titre de la communication
1	**BARA Mouslim**	*Zineb BERRICHE, Assia LOUCIF, Hanane MESSAOUDI, Wissel HADDADI, Choubaila HEZAM, Faten TRAD-KHODJA, Asma MAHMOUDI, Dounia REHAMNIA, Yasmina Lina MAZARI, Abderrahmen KADDECHE*	Wildlife trade, pets, and pathogens: a One Health perspective on zoonotic and antibiotic resistance risks in northeastern Algeria
2	**BOUTEFNOUCHET Chahinez**	*Hadjira BERREDJEM, Hayet AOURES, Seydina M. DIENE*	Caractérisation génomique d'Enterococcus faecium résistant à la vancomycine hébergeant le plasmide Tn1546 rep17: premier cas dépister en Algérie
3	**FERROUDJ Mounia**	*S. AMIRI, A. ADJABI, A. ABENTORKI, A. OTMANE, S. NEDJAI*	Surveillance des méningites bactériennes: tendances microbiologiques et dynamique de la résistance aux antibiotiques, CHU d'Annaba entre 2010-2024

No	Présentateur(e)	Co-auteur(s)	Titre de la communication
4	**KIRAT Hassina**	*Hamza RAHAB, Zohra CHEKROUD, Abdelaziz TOUATI*	Emergence of Carbapenemase-Producing Escherichia coli (NDM-1 and OXA-181) in Livestock in Algeria: Evidence from Farm-Level Surveillance
5	**KLOULA Salma**	*Khouloud IDI, Sana DHAOUADI, Faten RAHMANI, Ramzi Boubaker ELANDOULSI, Fatma HMAID*	Contribution of the antioxidant system and the ionic and enzymatic release to the antimicrobial synergy of malondialdehyde against coagulase-negative Staphylococci
6	**SAILI Linda**	*Mellouk FATMA ZOHRA, AFRI Amira, BELBEL Fatma, ARIF Salah, ALIRACHEDI Sofiene, DJAMAI Zahra, BEDOUH Yazid, RAHIM Waheb*	The Emergence of OXA-48 Carbapenemase-Producing Enterobacteriaceae in Eastern Algerian Hospitals
7	**SOLIMAN Abdelmohsen**	*Aissa BENSELHOUB, Omar SEKIOU, Nadia DOVBASH*	Bee Venom Apitherapy: A Promising Avenue for Antimicrobial Resistance (AMR)

SESSION ORALE — INTELLIGENCE ARTIFICIELLE ET SANTÉ | 11:20 – 11:50

Modérateurs : Pr. Abbassi HADJ AHMED ; Pr. Mohammed Taher KIMOUR ; Dr. Cheniti HAMZA ; Dr. Sekiou OMAR

No	Présentateur(e)	Co-auteur(s)	Titre de la communication
1	**FRISSOU Nadjet**	*Sofiane IMEKRAZ, Rachida MANSOURI, Abdeslem BOUZINA, Mohamed Tahar KIMOUR, Zihad MAAMCHA-BOUSLAMA*	The role of artificial intelligence in achieving the one health objectives
2	**KETFI Anfel**	*Amani ADJAILIA, Ghada NEMOUCHI, Akila DJEBBAR, Hayet Farida MEROUANI*	The Impact of Artificial Intelligence in Asthma Prediction: A Multimodal One Health Approach
3	**REMMANI Rania**	*Messaoud ROUMANI*	AI-Enhanced Biochar Systems for VOC Remediation: A One Health Strategy to Mitigate Human Cancer Risk, Protect Livestock, and Restore Groundwater Ecosystems

SESSION POSTER — RÉSISTANCE AUX ANTIMICROBIENS (AMR) | 09:00 - 10:30

Moderator: Room P1 / Screens S1 & S2: Dr. MELLOUK Fatma Zohra; Dr. AFRI Amira — Poster AMR 01-25

Moderator: Room P2 / Screens S1 & S2: Dr. BELBEL Fatma; Dr. Youbi Amira — Poster AMR 26-50

Moderator: Room P3 / Screens S1 & S2: Dr. BOUCHAALA Laid; Dr. SAIB Amina — Poster AMR 51-75

No	Présentateur(e)	Co-auteur(s)	Titre de la communication
1	**SONIA ADDALOU**	*Dalila BENREMILA, Ferhat DJOUDI, Andrea Maurizio Cabibbe and Daniela Maria Cirillo*	Molecular Epidemiology and Drug Resistance of Pediatric Tuberculosis in Algeria: Insights from Whole-Genome Sequencing
2	**ABIR ADDOUDA**	*SMATI Maria, BOUTARFI Zakaria*	Phenotypic and genotypic detection of NDM-1-producing gene in Klebsiella pneumoniae clinical isolates

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3	**SAMIHA AIDAOUI**	*Abla HECINI-HANNACHI*	Prevalence and antibiotic resistance profile of Enterococci in hospital settings
4	**ABDELLATIF ALIOUI**	*BENATTOUCHE ZOUAOUI, BELMIMOUN ASMAA, DJELLOULI SOUMIA*	Activité antimicrobienne de Corallina elongata (algue rouge) du littoral ouest algérien
5	**AMANI AMAMRA**	*Yassine Reggami, Ihcene Bouasla, Houneida Benbouzid, Imene Bechekerd, Hajira Berredjema*	Antibacterial and antioxidant activity of two medicinal plants belonging to the Amaranthaceae family
6	**BERGAL AMIRA**	*BOUMARAF Warda, NEFLA Loubna, BOUKSIBA Chahrazed, BENOUARETH Djamel Eddine, LOUCIF Lotfi, BENTORKI Ahmed Aymen, ABAT Cédric and ROLAIN Jean Marc*	Distribution of serotypes, genotypes, and antibiotic resistance genes of Streptococcus agalactiae clinical isolates from Guelma, Algeria and Marseille, France
7	**KOUT AMIRA**	*Radia BOUFERMES, Rachid ELGROUD, Douadi KHELIFI, Baris BINAY, Hajira BERREDJEM*	Antimicrobial Resistance and Virulence Profiles of Salmonella spp. Isolated from Human and Avian Sources in Eastern Algeria
8	**HOUSSEM EDDINE AMIRI**	*Latifa AIDAOUI, Mekki AIDAOUI, Zahira BOUDIAF, Fatma Zohra KROUMA*	Impact of surface germs on the post-operative evolution of patients in the gynecology and obstetrics department
9	**MAROUA ATTOUI**	*Adel BOULKADID, Oussama Taki Eddine NECIBI, Sarra MEKHILEF, Gouraya MAARDI, Houneida BENBOUZID*	In Vitro Evaluation of Silver Nanoparticles: Potent Bactericidal and Antibiofilm Effects
10	**RANDA BAYOUD**	*Louiza Boudiba, Alfred Ngenge Tamfu, Sameh Boudiba, Karima Hanini*	Green-synthesized zinc oxide nanoparticles as antibacterial and anti-virulence agents targeting biofilm formation and quorum sensing in pathogenic bacteria
11	**ESMA BENDJAMA**	*Widad Chelaghma, Ahlem Khireddine, Amina Kechida, Fahima Amokrane, Hanine Bouamra, Jean-Marc Rolain, Lotfi Loucif*	Comparative Occurrence of Antibiotic-Resistant Gram-Negative Bacteria in Retail Red Meat and Chicken Meat in Batna, Algeria: A One Health Perspective
12	**MADJDA BENSACI**	*Sara KHELIFA, Mohammed Didi OULD ELHADJ*	Evaluation of the antimicrobial activity of dodonaea viscosa leaf extracts collected from Ouargla, Algerian Sahara
13	**MOUNIRA BENTELDJOUNE**	*Lemoui Radouane, Kabouche Zahia*	LC-MS/MS Characterization and In Vitro Antioxidant and Antimicrobial Activities of Trichodesma Species: A Promising Source Against Antimicrobial Resistance
14	**ASMA BOUALI**	*Bendjama Esma, Aberkane Amira, Benyahai Khawla*	Chemical Characterization and Antibacterial Activity of the Essential Oil of Thymus algeriensis Boiss. & Reut
15	**ASMA BOUALI**	*Bendjama Esma, Loucif Lotfi, Bouaziz Lilya, Benahmed Douaa, Abbouche Zineb, Laribi Meriem*	Antibiotic Resistance and Biofilm Formation in Gram-Negative Bacterial Isolates from a Red Meat Slaughterhouse
16	**RADIA BOUFERMES**	*BOUFFAFA Mouna*	Antibacterial Activity of Ziziphus jujuba: A Natural Approach Against Pathogenic Bacteria
17	**LEYLA BOUKAOUS**	*Salha Amira BENATALLAH, Lina Salsabil BENDIB, BENSALEM Djihene, Racha Elbahha BOUKAOUS*	Study of the antimicrobial synergistic effects between Moringa oleifera seed extracts and antibiotic agents
18	**CHAFIA BOUKHERBACHE**	*Sara Raouia NOUMEUR, Lotfi LOUCIF*	Antimicrobial resistance in coagulase-negative Staphylococci isolated from used contact lens storage cases
19	**RAMI BOUMENDJEL**	*Nourdine Baik, Rania Boukerzaza, Salima Benaouf,*	Antioxidant and Antibacterial Potential of Moringa oleifera Leaves and Seeds: A Phytochemical Study

No	Présentateur(e)	Co-auteur(s)	Titre de la communication
		Sana Ghorri, Dounya Zad Gheriani	
20	**SABRI BOUSBIA**	*Habib Mirouh, Saliha Ouaret, Loubna Boutebicha*	Resistance Profile of Bacteria Isolated from Urinary Tract Infections in Mila District, Northeast Algeria
21	**MAJDA BOUSSETA**	*Khawla Zahra HADEF, Sarra HENOUDA*	Prevalence and Antimicrobial Susceptibility of Salmonella spp. Isolated From Poultry Meat In The Adrar Region (Algeria)
22	**KHELIL BOUZIANE ERRAHMANI**	*Abdesselem Si Mohammed, Ahmed Megharbi*	Mycoremediation of poultry manure: Linking fungal laccase activity to antibiotic residue reduction and bacterial antibiogram shifts
23	**DERSOUNI CHAHRAZED**	—	A contribution to the phytochemical and biological study of a medicinal plant
24	**ALI DEKIR**	*Chahrazed Benzaid, Lina Manel Djendi*	To evaluate the chemical composition and the antimicrobial activities of rosmarinus officinalis extract against multidrug-resistant pathogens
25	**RAYENE DJABOURABI**	*Adel AYARI, Sarra ATTERAI*	Comparative Study of Antimicrobial Products Against Pathogenic Bacteria and Resistance Patterns
26	**MOHAMMED MAZOUZI**	*Mazouzi Mohammed, Yaacoub Fadjeria*	Comparative study of the fungal flora of two types of livestock feed
27	**SIHEM FEKKOUS**	*Hoceme DEGAÏCHIA, Hichem LAHOUASSA*	Small ruminant mastitis: new therapeutic techniques in the face of antibiotic resistance?
28	**INES HADDADI**	*Hellal Abdelkader, Bouchama Anis*	Microwave-assisted synthesis, DFT theoretical study and biological activities evaluation of two phosphonylated m-Toluidine derivatives
29	**ZEHOR HALFAOUI**	*Asma AIZA, Hadia DELHOUM*	Prevalence and antimicrobial resistance of Staphylococcus spp. in wound infections
30	**IKRAM HAMLAOUI**	*Lotfi Benmekhbi, Ferial Berrehal, Maroua Merghid, Lamis Abdoune*	Plant-derived extracts as alternatives against antibiotic-resistant bacteria: a comparative study
31	**SAIDA HANOUN**	*Kelthoum Ahmed-Gaid, Houssem Chenna, Mouna Boufafa, Khaoula Aroua, Hanen Mellal, Oumaima Naili, Nozha Mayouf*	Effect of various solvents on the antibacterial activity of Erica arborea extracts from Algeria against multidrug-resistant uropathogenic bacteria
32	**KHAFALLAH IMENE**	*Habiba GACEM*	In Silico identification of Plant Bioactive Peptides as Dual Inhibitors of β-Lactamase and AcrB Efflux Pump in Multidrug Resistant Bacteria
33	**OUMNIA KASRANI**	*Abdelwahab RAI, Lotfi MOUNI*	Synthesis of Antimicrobial Nanostructured Materials: Photocatalytic Strategies for Controlling Hospital-Acquired Infections and Antimicrobial Resistance in Algeria
34	**FAYÇAL LAYACHI**	*Hamza HOUAMRIA, Samira AIT KAKI, Abdelhak NEGHRA, Khaireddine KRAIM, Fouad FERKOUS*	Discovery of Novel Multi-Target Beta-Lactamase Inhibitors through Virtual Screening and Molecular Docking
35	**MOHAMED SEIF EDDINE LEGHELIMI**	*Abderrahim Amel, Draidi Asma, Djahmi Nassima*	Genetic Profiling of Carbapenem Resistance in Bacteria Isolated from Healthcare Wastewater: An Emerging Environmental Threat
36	**FATMA ZOHRA MELLOUK**	*Amira Afri, Laid Bouchaala, Linda Saili, Zahra Djamai, Fatma Belbel, Saleh Arif*	Wastewater as a reservoir of carbapenemase-producing bacteria in Eastern Algeria: a One Health perspective
37	**KHADIDJA MERABET**	—	Etude de l'activité antibactérienne de l'extrait n-hexanique de la propolis de la région de Mila
38	**KHADIDJA MERABET**	*Sabri Bousbia*	Evaluating the Antibacterial Efficacy of Alcoholic Extracts from Plant Waste: A Bio-Strategy for Waste Valorization Against Microbial Resistance

No	Présentateur(e)	Co-auteur(s)	Titre de la communication
39	**MOUNIA MERABET-KHELASSI**	*Samira Kilani-Morakchi, Sifi Karima, Saoussen Zeror*	Design of a set of Ibuprofen prodrugs: Synthesis, characterization and in silico evaluation of dual anti-inflammatory and anti-bacterial potency
40	**FATIMA ZOHRA MOUALKIA**	*Moualkia Fatima-Zohra, Hecini-Hannachi Abla, Bentchouala Chafia*	Profil de résistance aux antibiotiques de Klebsiella pneumoniae dans les services hospitaliers à haut risque
41	**BARAKO OMAR**	*Mohammed Kebdani , Hamza Haddag , Houcine Benouar*	Antibiotic Resistance Profiles of Halotolerant Bacteria from Algerian Sabkha Soils: Implications for Environmental Antimicrobial Resistance
42	**SARAH RAHAL**	*Boufafa Mouna, Djendi Manel Lina*	Antibacterial Activity of Juniperus communis L. extract
43	**MERIEM ROUAIGUIA**	*Djamaa Fatma, Essalhi Zahra, Neghiche Aya Ikram, Houhamdi Moussa*	Contribution à l'étude des infections urinaires dans la wilaya de Guelma
44	**WIAM SAADI**	*Ahlem Fatmi, Mohammed Bouziane Aya*	Microbiological Contamination and Antibiotic Resistance Profiles of Bacteria Isolated from Hospital Surfaces in an Emergency Department
45	**SABRINA SAIT-DIB**	*Gharout-Sait Alima, Sadeddine-Zennouche Ouardia, Adouane Meriem, Boulekbache-Makhlouf Lila*	Activités antibactérienne et anti-inflammatoire de l'extrait aqueux de Carthamus caeruleus
46	**HASNA SEHAB**	*Zahira Boudiaf, Nessima Djahmi, Amel Abderrahim, Djamila Belamri, Amina Hidri, Nadira Bouchair*	Antibiotic resistance in urinary tract infections: an experience from a pediatric hospital, University Hospital of Annaba, Algeria
47	**HASNA SEHAB**	*Djamila Belamri, Amina Hidri, Nadira Bouchair*	Clinical and microbiological profile of blood culture isolates in pediatrics department of Annaba University Hospital (Algeria)
48	**IKRAM SOLTANI**	*Zineb Belbel, Hamza Rahab*	Carbapenem-Resistant Escherichia coli in Food of Animal Origin: A Phenotypic and Molecular Study
49	**ALAA SOUAIDI**	—	Multidrug-Resistant Tuberculosis: A Growing Threat Beyond the Ordinary
50	**MANEL TERBECHE**	*Hanane Zeroual, Imane Halimi, Nawel Deramchia*	Towards New Natural Alternatives: Antimicrobial Activity of a Novel Food Against Helicobacter pylori
51	**AMEL TOUAREF**	*Marwa Kerabia, Amine Mammeri*	Antimicrobial Resistance in Uropathogens Among Pregnant Women: Interface Between Human Health and Antimicrobial Pressure
52	**WAAD ZGALMI**	*Naima Boughalleb M'Hamdi*	Effectiveness of three chemicals products to control Phyllosticta citricarpa
53	**SOUROUR ZIDI**	—	Rubus fruticosus: An alternative for tackling bacterial resistance
54	**OUAHAB RAHIM**	*Yazid Bedouh, Belhaoues Saber, Ali Rachedi Sofiane, Chouafa Mohammed*	Antibacterial Activity and in Silico Evaluation of Pinus pinaster Essential Oil: Identification of Tepinen-7-al as a Promising Antimicrobial Agent

SESSION POSTER — Intelligence Artificielle (IA) | 09:00 - 10:30

Moderator: Room P4 / Screens S1-S2: Dr. Youssouf Driouch, Dr. Benabbas Khaled, Dr. ARIF Salah, Dr. Imikraz Nadjet

No	Présentateur(e)	Co-auteur(s)	Titre de la communication
1	**SOFIANE Ali Rachedi**	*Trirat Tabet, Chouafa Mohamed, Bedouh Yazid, Benabbas Khaled, Mellouk Fatma Zohra*	Theoretical Molecular Modeling of a Biofertilizer Derived from Sediments and Food Waste Using Gaussian
2	**MOHAMED Chouafa**	*Alirachedi S., Trirat T., Benabbes K., Belhaoues S.*	Traitement et désulfuration des déchets miniers sulfures issus de la flottation de sphalérite : cas de la mine de Djebel-Onk
3	**KHERMOUCHE Fares**	*Nouzha Heleili, Zahra Rouabah, Manel Merradi, Amina Badis*	Artificial Intelligence in the Service of One Health: A Meta-Review of Applications and Challenges
4	**TIOURA Hadil**	*Djamila Mezouar*	Predicting Fungal Endophyte Communities in Olive Trees Using Machine Learning and Agro-Ecological Data
5	**SAHAR Hammoudi**	*Ouarda Semmame*	Troubles neurodéveloppementaux en Algérie : épidémiologie, diagnostic génétique et apport de l'intelligence artificielle
6	**NAZIM Ksir**	*Hanene Bouchiha*	AI-assisted histomorphometric evaluation of Thymus algeriensis protective effects against Tebuconazole and Lambda-cyhalothrin induced histopathological damage in brain and kidney
7	**LARAKEB Manal**	*Sabah Sehtal, Rammeche Mohammed Reda*	Evaluation of the performance of an artificial neural network to predict the absorption capacity of methylene blue from water for a healthy environment: comparison with experimental data
8	**SAIDA Meliani**	*Rafik Menacer, Boughrara Boudjema*	Development of an AI Predictive Machine Learning Model for Classifying Antimicrobial Resistance in Klebsiella pneumoniae
9	**RAFIK Menacer**	*Saida Meliani, Boughrara Boudjema*	Development of an AI Predictive Machine Learning Model for Classifying Antimicrobial Resistance in Enterococcus faecalis
10	**OUDJDANE Nebti**	—	From Data to Prevention: The Role of Artificial Intelligence in Food Safety
11	**OMAR SEKIOU**	*Abdelhak Djemel, Abdeslem Bouzina, Honcharova Olena V., Mohamed Mahmoud Elshazly*	*In silico* study of human pancreatic α-amylase inhibition by sulfonylurea derivatives
12	**SEIF EDDINE Sellami**	*Omar Tebboub, Ahmed Abderrahim Yahiaoui, Lotfi Benmekhbi, Ouahida Zeghouan*	Toward Smart Environmental Health: Applying Artificial Intelligence within a One Health Framework to Soil Metal Pollution
13	**BEGHOUR Yassine**	*Yasmina Lahiouel, Hamid Satha, Mohamed Rabeh Makhlouf*	Predicting the antibacterial activity of organic compounds in pharmaceuticals using QSAR
14	**TRIRAT Tabet**	*Chouafa Mohamed, Benabbas Khaled, Benhalima Hadia, Ali Rachedi Sofiane, Rouaiguia Issam, Cheikhaoui Youcef*	Gestion environnementale et valorisation des rejets de phosphate : Proposition d'un schéma de traitement pour Djebel-Onk
15	**SABRI Madi**	*Sarra Zouiti*	Innovating One Health Communication in Algeria: The Role of Artificial Intelligence and Digital Media in Shaping Public Health Awareness

VISITE TOURISTIQUE | À PARTIR DE 13:00

À l'issue de la cérémonie de clôture, les participants sont invités à découvrir les merveilles naturelles et historiques d'Annaba et de sa région.

Siège : Centre de Recherche en Environnement
Avenue BOUGHAZI SAID, Alzone, Annaba

Vue panoramique sur la Méditerranée depuis le Complexe Touristique Sabri — Siège du séminaire One-Health,Annaba

Cap de Garde — Panorama exceptionnel sur le littoral méditerranéen

Annaba — La ville de Bône, joyau du nord-est algérien

Basilique Saint-Augustin — Monument historique emblématique

Bon séjour à Annaba et bonne visite à tous les participants !

Siège : Centre de Recherche en Environnement
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