People's Democratic Republic of Algeria
Ministry of Higher Education and Scientific Research
University Hassiba BENBOUALI of Chlef
Faculty of Nature and Life Sciences
Department of Biology

1st National Seminar on Environment, Toxicity and Health (SNETH'2026)

November 24, 2026

Honorary Presidents:
Rector: Pr. Larbi GHOUINI
Dean : Pr. Mohammed Amine BEKARA
Seminar Chair : Dr. Leila GADOUCHE

SCIENTIFIC PUBLICATION

Selected papers presented during the seminar will be considered for publication in the following partner journals :

- e-Algerian Journal of Health & Research : ISSN : 2992-1465 | E-ISSN : 2992-1686
- Journal Algérien des Régions Arides (JARA): ISSN: 1112-3273 | E-ISSN: 2676-2226

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PREAMBLE

In a context where anthropogenic pressures on ecosystems are reaching critical thresholds, the understanding of interactions between environmental pollutants and human health has become a major scientific priority.The First National Seminar on Environment, Toxicity, and Health aims to provide an interdisciplinary platform for scientific exchange dedicated to the assessment of emerging environmental and health risks. This ecological urgency calls for an integrated approach combining field diagnostics, experimental investigations, and computational modelling, in order to support the development of effective ecosystem restoration strategies.This scientific event brings together researchers and experts to review the current state of knowledge and to propose innovative and sustainable solutions to contemporary environmental and public health challenges.

OBJECTIVES

This event aims to:

- Promote collaboration among stakeholders in toxicology and environmental science research.
- Assess the impact of environmental degradation on public health.
- Encourage the use of digital tools and computational modelling in chemical risk assessment.
- Elucidate the fundamental biological mechanisms of toxicity at the cellular level.
- Explore strategies for the restoration of degraded environments through sustainable approaches.

TOPICS AND COORDINATORS

1. Environment and Public Health *Dr. Khayra ZERROUKI*
- Pathogens and characterization of transmission pathways.
- Environmental risk factors and vulnerable populations.
- Exposome and chronic diseases.
- One Health approach: interconnections between human health, animal health, and ecosystem balance.

2. **Modeling and Computational Toxicology *Dr. Halima SAIAH***
- Development of predictive models for chemical safety assessment.
- Computational approaches to toxicological risk characterization and exposure assessment.
- Applications of Artificial Intelligence in predictive toxicology and data-driven modeling.

3. Cellular and Molecular Toxicity *Pr. Azdinia ZIDANE*
- Oxidative stress and biomolecular damage to cellular macromolecules. Molecular signatures, biomarkers of exposure and toxicological effect.
- Genotoxicity, cellular disruption, and mechanisms of carcinogenesis.

4. Bioremediation and Environmental Decontamination Strategies *Dr. Souad GHAOUACI*
- Bioremediation strategies for pollutant degradation and removal.
- Biotechnological valorization of waste and circular economy approaches.
- Environmental monitoring and bioindicators for ecosystem restoration assessment.

Innovative Projects Exhibition

President of the Scientific Committee

Pr. Azdinia ZIDANE

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Dr. AMOKRANE Dalila (Univ. Chlef)
Dr. BACHIR Meryem (Univ. Chlef)

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Communication and Information Officer

Dr. TAILFB Nassima

Important dates

Call for communications:
Deadline for abstract submission:
October 15, 2026
Notification of acceptance:
November 5, 2026
Seminar date: November 24, 2026

Instructions to authors

The official languages of the seminar are English and French.

Abstracts (IMRaD Format) must be structured as follows:

- title: (14 pt, Times New Roman, bold, centered)
- First Name Last Name[1]... : (11 pt, Times New Roman, centered)
- Affiliation: (10 pt, Times New Roman, italic, centered)
- Abstract: (12 pt, Times New Roman, justified), maximum 300 words
- Keywords : maximum five words

Scientific publication

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- Journal Algérien des Régions Arides (JARA): ISSN: 1112-3273 | E-ISSN: 2676-2226

- **Contacts informations :** sneth2026@univ-chlef.dz
- **Fees:** The seminar is free of charge.
- **Abstract submission:** Abstracts must be submitted via the following Google Form : https://forms.gle/F5k4xKxXsdfVBZeG7