



**The LAEEE research laboratory:
architecture, urban environment and
energy efficiency, is organizing
A national scientific day
intitled**

December 09th 2025



**ENVIRONMENTAL ENGINEERING
& SUSTAINABLE URBAN
DEVELOPMENT:**

**INNOVATIONS AND
PERSPECTIVES FOR RESILIENT
CITIES**

ARGUMENT

**Environmental Engineering: An Evolving
Field for Urban Sustainability**

Environmental engineering is an interdisciplinary field merging engineering, ecology, and urban planning to design, plan, and manage urban areas with environmental awareness. Its core objective is to develop infrastructure and systems that minimize ecological impact while enhancing citizens' quality of life. Initially focused on specific issues, the discipline has shifted, especially since the 1980s to a global, preventive approach driven by rapid urbanization and environmental challenges.

Today's environmental engineering requires advanced modeling technologies and strategies for building infrastructure resilience to both natural and human-made risks. It emphasizes efficient resource management, emission reduction, promotion of renewable energy, and optimized urban mobility. Key tools include Geographic Information Systems (GIS) and artificial intelligence, enabling proactive urban planning and impact forecasting.

The three focal points of this scientific day revolve around these fundamental objectives providing practical and sustainable solutions to Algeria's urban environmental challenges.



TOPICS

- **Topic 1 – Environmental Engineering for Sustainable Urban Planning.**
- **Topic 2 – Modeling Technologies and Assessment Tools for Sustainable Cities.**
- **Topic 3 – Management of Urban Environmental Risks.**



December 09th 2025

PROGRAM

8:30 – 9:00 AM: Welcome of participants & coffee
9:00 – 9:15 AM: Dr. Guenadez Zineddine (Dean of the Faculty of Architecture and Urbanism)
Dr. Rafik Boudjadja (Director of the LAEEE Laboratory)
Opening Remarks, Prof. Baitiche Chaabane (Rector of the University of Constantine 3)

1ST SESSION

President: Pr Korichi Ammar
Rapporteurs: Dr Benmaghsoula Zohra & Dr Oussama Sebti

9h30-9h50: Mr Hamdouche Mourad: “Des données à la décision: utilisation de plateformes open source pour la gestion intégrée des risques environnementaux, naturels et urbains, et pour le renforcement de la durabilité et la résilience territoriale.” (CERIST- Technopole Constantine 3)

9h50-10h10: Mr Elhani Meghezzi: “Faisabilité et feuille de route du potentiel piétonnier et de la sécurité des piétons dans le centre ville de Constantine” (Commune de Constantine)

10h10-10h30: Dr Noui Nassira ,Boudemagh Ramzi , Benzerara Amine : “Vers un Modèle Théorique de Quartier Résilient 4.0 : Cadre conceptuel pour l’urbanisme durable à l’ère des technologies émergentes.” (Univ Annaba)

2ND SESSION

President: Dr Boudjabi Naouel Hanane
Rapporteurs: Dr Derghout Zoheir & Dr Nasri Yassine

10h30-10h50: KORCHI Meriem & Dr BENDJABALLAH Ouassila: “Identifier l’agriculture urbaine à Annaba pour une planification environnementale durable”

10h50-11h10: Dr Omar Redjal: “Les déchets urbains comme facteur de risque et d’opportunité : approche résiliente de la gestion environnementale à Constantine”

11h10-11h30: Dr Karima Bensakhria: “Les revêtements minces innovants, une solution de transition écologique durable”

11h30-12h00 Debate & closure

December 10th 2025

TRAINING WORKSHOP

Lieu: Salle de soutenances
À 13h00

Dr Zoheir Derghout: “Integrating AI into Your Research Workflow: From Literature Review to Manuscript Writing”

Public cible : Enseignants-chercheurs, doctorants, et étudiants en Master 2

Honorary presidents:

- Pr Baitiche chaabane
- Dr Guenadez Zineddine

President of the scientific day :

- Dr Sihem Boucherit

Responsible of the scientific day:

- Dr Rafik boudjadja

ORGANIZING COMMITTEE

- Dr. SEBTI Oussama, (FAU-UC3).
- Dr. BENSAXHRIA Karima, (FAU-UC3).
- Dr. NOUI Nassira, (Univ. Annaba).
- Dr. GRINI Abdelouahab, (FAU-UC3).
- Dr. BOUAMEUR Oumnia.
- BOUNOUIA Ferial, (FAU-UC3).
- LEZZAR Oumeima H, (IGTU-UC3).

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