



People's Democratic Republic of Algeria  
 Ministry of higher education and scientific research  
 University of Ghardaia  
 Faculty of Natural and Life Sciences and Earth Sciences  
 Biology Department  
 In collaboration with



Valorization and conservation of arid ecosystems laboratory. "VCAEL"

**ORGANIZES**

# International Congress on



# Valorization & Conservation of Arid Ecosystems



Ghardaia City  
 Ghardaia University



November, 25-27th 2025



**FLORISTIC  
 BIODIVERSITY**

**FAUNISTIC  
 BIODIVERSITY**

**MICROBIAL  
 ECOSYSTEMS**

**AGROSYSTEM  
 FUNCTIONING**



# INTERNATIONAL CONGRES

## ABOUT THE CONGRESS

Arid ecosystems are facing major challenges caused by climate change, environmental degradation and excessive exploitation of resources, which are affecting the biodiversity and sustainability of these systems. In spite of being fragile, these environments have economic and ecological potential that can be exploited through innovative and sustainable strategies.

The ICVCAE\_2025 congress aims to discuss ways of preserving arid ecosystems and developing their resources through a multidisciplinary approach encompassing environmental sciences, sustainable agriculture and the green economy. It also seeks to strengthen scientific research and international cooperation, propose concrete solutions to mitigate the effects of environmental degradation, enhance the value of arid ecosystems, and promote sustainable development based on the responsible use of resources.

## REGISTRATION FEES

- Research professors 7000 DA.
- International researchers 150 Euro.
- PhD students 5000 DA.
- Professionals 6000 DA.
- Other 6000 DA.

## KEY DATES

- Deadline for abstract submission: September, 20, 2025
- Notification of abstract acceptance: October, 26, 2025
- Notification of confirmation: beginning 1 November.

## LANGUAGE OF THE CONGRES

- The official language of the International Conference meeting is English.



## TOPIC 01



## FLORISTIC BIODIVERSITY

This axis focuses on the diversity, classification and ecological roles of plant species, particularly in arid and fragile ecosystems. It contributes to the conservation of indigenous flora and the rehabilitation of degraded habitats.

## TOPIC 02



## FAUNISTIC BIODIVERSITY

This axis studies the diversity and distribution of animal species, from invertebrates to vertebrates, in natural and human influenced habitats. It aims to understand species adaptation, population dynamics, and conservation priorities.

## TOPIC 03



## MICROBIAL ECOSYSTEMS

This axis explores the diversity, roles, and interactions of microorganisms (bacteria, fungi, archaea, etc.) in various ecosystems, particularly arid and semi-arid environments. It focuses on microbial functions in nutrient cycling, soil fertility, and ecosystem resilience.

## TOPIC 04



## AGROSYSTEM FUNCTIONING

This axis analyses the structure and sustainability of agricultural systems, focusing on soil-plant-animal interactions, water management and the integration of biodiversity. The aim is to improve agricultural productivity while preserving the ecological balance.

# SCIENTIFIC COMMITTEE

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- Technical engineer:**
- Mr. Kamel DADDA , Ghardaia university, Algeria





INTERNATIONAL CONGRESS ON  
**THE VALORIZATION AND CONSERVATION  
OF ARID ECOSYSTEMS**

NOVEMBER 25-27, 2025  
GHARDAIA, ALGERIA

# Speakers

- **Prof. Jose NAVARRO PEDREÑO**

Professor. ENVIRONMENTAL SCIENCE. Department of Agrochemistry and Environment. University Miguel Hernández of Elche. Edificio Alcudia 03202. Elche, Alicante, Spain.



- **Prof. Mohamed ABDALLAH ISSA**

Professor of Zoology, Harmful Animals Research Department, Plant Protection Research Institute, Agricultural Research Center, Prof. Issa has contributed to numerous peer-reviewed journals and research studies on avian ecology, biodiversity, and bird control. The published works focus on bird species structure, diversity, migration, impacts and invasive bird species



- **Prof. Sherif SAEED EBADA ELSAYED**

Professor at Department of Pharmacognosy, Faculty of Pharmacy, Ain Shams University, Organization of African Unity Street 1, 11566 Cairo, Egypt



- **Dr. Slim SMAOUI**

Associate Professor at the Laboratory of Microbial Biotechnology and Enzymatic Engineering (LMBEE), Centre of Biotechnology of Sfax (CBS), University of Sfax, Road Sidi Mansour Km 6, P.O. Box 1177, Sfax 3018, Tunisia.





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# Speakers

- **Prof. Youcef ALIOUA**

Professor, Department of Agronomy, University of Ghardaïa. B.P 455 Noumérat, Ghardaïa 47000, Algeria. Director of the LVCEA & head of the 'Functioning of agrosystems' staff. Expert in the araneological ecology of the Algerian desert, exploring the diversity and distribution of spiders and scorpions in the Sahara.



- **Prof. El-Yamine GUERGUEB**

Professor, Department of Biology, Faculty of Natural, Life and Earth Sciences. University of Ghardaïa. B.P 455 Noumérat, Ghardaïa 47000, Algeria. Head of Research Team – Faunal Biodiversity (LVCEA), specialized in faunal biodiversity, with a focus on aquatic and desert avifauna.



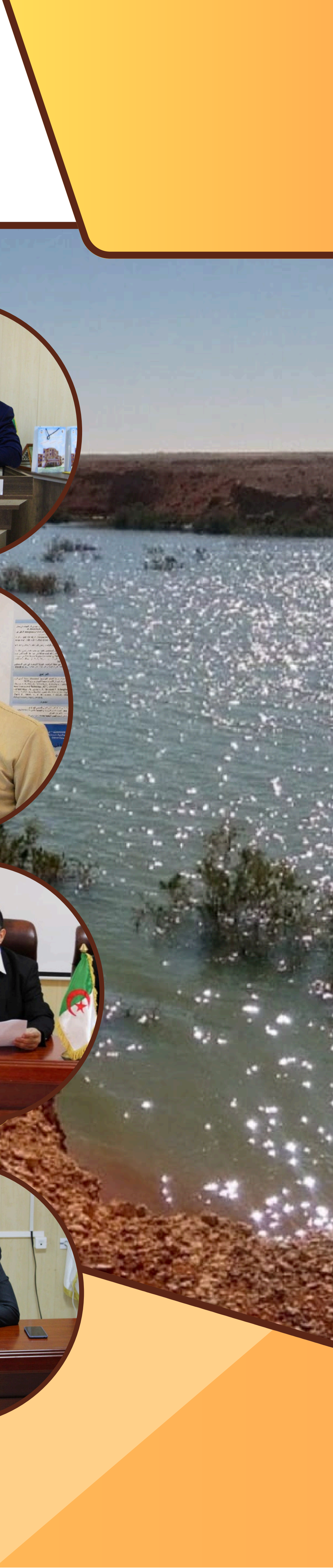
- **Prof. Noureddine BOURAS**

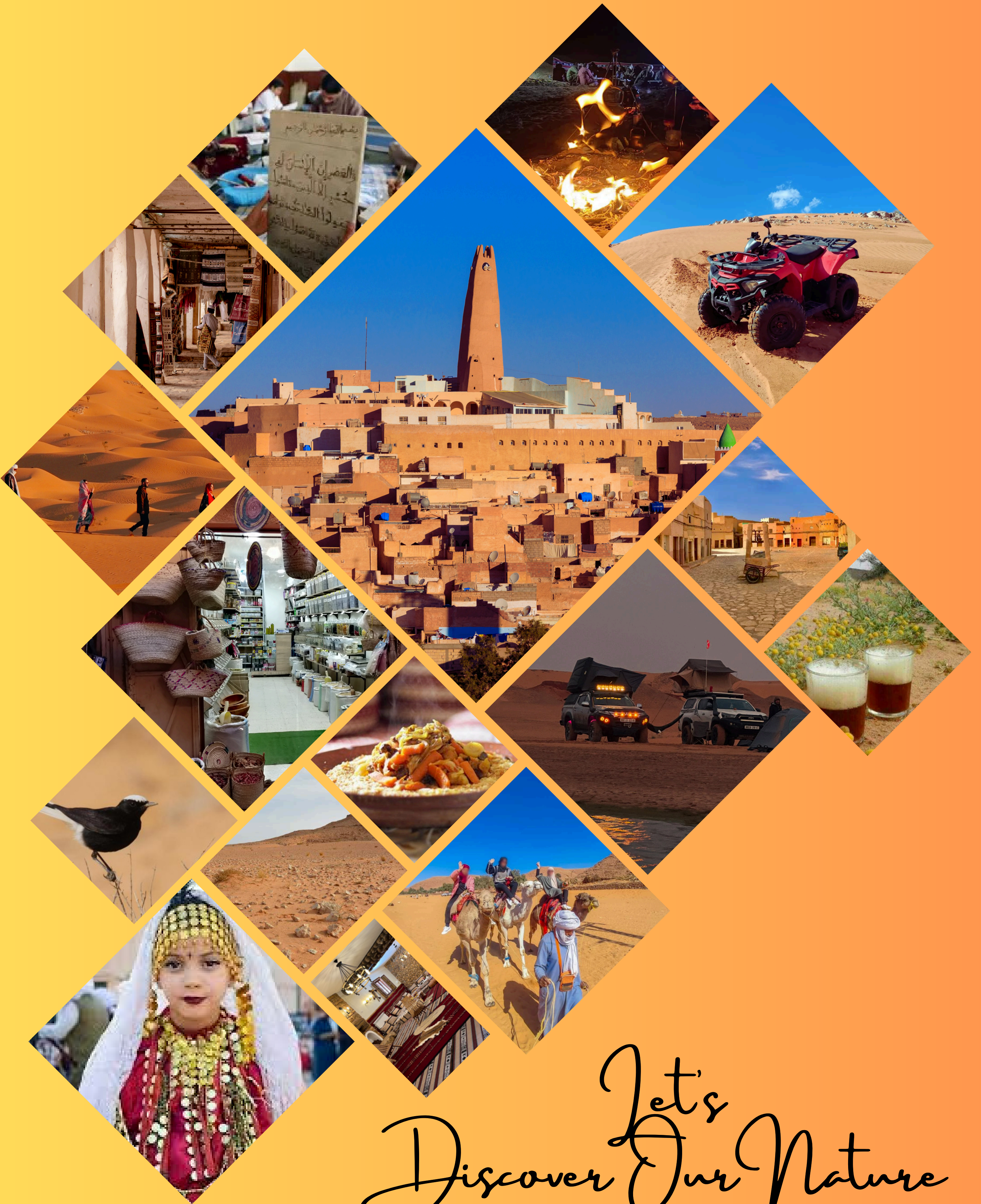
Professor in the Department of Biology, Faculty of Natural and Life Sciences and Earth Sciences, University of Ghardaïa. He is affiliated with the Laboratory of Valorization and Conservation of Arid Ecosystems (LVCEA), as well as the Microbial Systems Biology Laboratory (LBSM) at the École Normale Supérieure de Kouba, Algiers, Algeria. Prof. Bouras is a specialist in environmental microbiology, with a particular interest in the biodiversity of arid environments.



- **Prof. Salah Eddine SAADINE**

Professor of biology and ecology Department of Agronomy, University of Ghardaïa. B.P 455 Noumérat, Ghardaïa 47000, Algeria specialist in scorpions and their diversity in the Ghardaïa region. Applied Zoology and Animal Ecophysiology Laboratory (LZA), Faculty of Natural and Life Sciences, University of Ghardaïa. B.P 455 Noumérat, Ghardaïa 47000





*Let's*  
*Discover Our Nature*  
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**C I T Y**

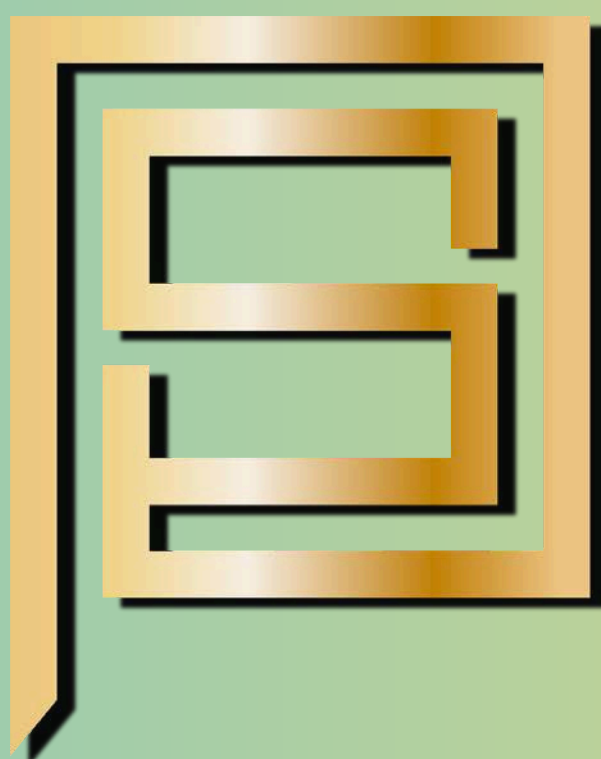




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