

Call for communication

2nd WIGRE2024

27 - 28 October, 2024

GROUZ Hotel, Bechar, Algeria

Presentation and objective

This International Workshop 2WGRE24 will provide an opportunity to discuss recent advances in water resources management. It will provide an opportunity for experts, engineers, industrialists, government authorities and researchers from several sectors and countries to take stock of the latest developments in this field, both on a fundamental and applied level. This event will also share the knowledge and know-how of all participants. This workshop will welcome for two days professionals and academics interested in the field of water. The workshop will include several conferences, papers, workshops and poster sessions as well as a round table presenting the state of the art and research in the field of water resources management. The scientific conferences will create opportunities for meeting and collaboration between the various industrial and university clusters. Strategies for the sustainable management of water resources must take into account the many interactions within the link between water, food, energy and ecosystems and can only be developed in close cooperation between countries, sectors and stakeholders. During the workshop, we will facilitate interactions beyond the scientific community, members of industry, public administration, as well as international organizations and development agencies, to share knowledge and discuss these challenges.

Topics

1. - Quantitative and qualitative management of water resources in arid and semi-arid regions: geochemical approach, modelling and GIS;
2. - Traditional water sharing system in arid zone- Water heritage.
3. - Advanced ICT-based information systems to improve groundwater management;
4. - Salinization of water and treatment of brackish water;
5. - Pollution and vulnerability of water resources;
6. - Groundwater recharge (Treated wastewater, surface water, etc.).
7. -Reuse of treated wastewater (Agriculture, Industry, Recreation, etc.)
8. - Joint use of groundwater surface water and unconventional water, in agriculture, for drinking water supply and for industry.
9. - Climate change and natural hazards: flooding, forecasting and protection, etc..



Democratic and People's Republic of Algeria

Ministry of Higher Education and Scientific Research

TAHRI University Mohamed Bechar Faculty of Nature and Life Sciences and Faculty of Technology

Laboratory of Chemistry and Environmental Sciences Resource

Laboratory of Valorization Biological and Food Safety of Semi-Zone arid



Scientific Committee

Pr. MAKHLOUFI Ahmed, Faculté SNV , Université UTM Bechar, Algérie
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Pr. HAMZAOUI Fadoua, Faculty of Sciences -University Tunis El-Manar-Tunis.
Pr. Luís Nunes, Universidade do Algarve Faculda de Ciências Tecnologia -Portugal
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Pr. Abdullah Al-Ghafri, Professor of the UNESCO Chair on Afaj Studie, University of Nizwa - sultanate of Oman
Pr GOMRO Faculty of Letters and Languages, UTM Bechar University, Algeria.
Pr. MANSOUR Hamidi (University of Oran 2, Algeria)
Pr HUWAYSH Abdalraheem ; Faculty of Science, University of Tripoli, Tripoli.
Pr. ZEDDOURI AZZIZ , Kasdi Merbah University Ouargla, Algeria.
Pr. KETTAB Ahmed -Vice President of the Académie De l'Eau- France.
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Dr. MEKKAOUI Abderrahmane;UTM Bechar University, Algeria.
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Dr. BADRI Abdelkader; Faculty of Technology, UTM Bechar University, Algeria.
Dr. YAHIAOUI Abdelhalim; Institute of Technology; University of Bouira,ty.

Submission and contact



TAll abstracts should be sent to the following e-mail address:

2wigre24@gmail.com

workshopgre24@univ-bechar.dz

<https://www.univ-bechar.dz>

Submission pages



<https://sites.google.com/univ-bechar.dz/gre2024>

<https://easychair.org/conferences/?conf=2wigre>



2WIGRE2024

For further information, please contact the President Workshop :

Email : merzougui.touhami@univ-bechar.dz

Mob et WhatsApp: (+213)0655713486



• Important dates

• 1st call for papers	01 juin 2024
• Deadline for submission of abstracts	15 septembre 2024
• Notification of acceptance	20 September 2024
• Confirmation of participation	30 September 2024
• Date Workshop	27-28 October 2024.

• Participation fees (registration and accommodation)

PhD students: 3000 DA (without accommodation); 10000 DA (with accommodation).

Teacher researchers: 5000 DA (without accommodation); 15000 DA (with accommodation).

Accompanying: 3000 DA (without accommodation); 10000 DA (with accommodation).

Foreign participants: 120 Euros (with accommodation) (Exchange Equivalent in DA).

Associations: 5000 DA

Participation in the excursion: 2500 DA - 35 euros for foreigners

Industrialists and economic operators: 20,000 DA. (With free exhibition)

N.B: the registration fee only covers access to the Workshop, documentation, coffee breaks and lunch

-participants at the Hotel Grouz will receive full board (Accommodation and all meals)

- PhD students must present their current registration certificates

Workshops (Topic)

Workshop 01

Topic and objectives

- The contribution of geophysics and modelling in sustainable groundwater management.
- Impact of climate change on water resources.

1. Why are groundwater models still often called into question ?
2. How to simplify the model results to present to decision makers and managers who can help it?
3. Similarly, stakeholders can simply receive a digital representation that means the reliability of the model's predictions. How to solve the problem of parameter uncertainties: we will need to know what is the most relevant parameter to analyze?
4. How to solve the question of groundwater recharge with the new data with climate change

Workshop 02

Topic and objectives

- Groundwater quality, water pollution and vulnerability and unconventional water treatment.

1. Quality monitoring and field sampling in the laboratory
2. Unconventional water treatment
3. Tertiary wastewater treatment
4. Clean water reuse
5. Desalination of saline water and demineralization of brackish water
6. What contribution of isotopic hydrochemistry and hydrochemistry in the knowledge and functioning of groundwater ?

Workshop 03

Topic and objectives

- Traditional water sharing system in arid zones. Valorisation and preservation of water heritage.

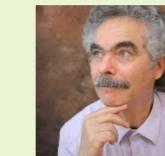
1. The experience of AFLAJ valorization of sultanate Oman The experience of the Qanât valorization of Ira
2. Initiatives to promote Algerian Foggaras as a World Heritage Site The issue of sustainability and preservation of water heritage in the world
3. Dissemination of videos on AFLADJ, Qanat and Algerian Foggaras.
4. Classification of the Algerian Fogara and creation of «Chair Foggaras Unesco»?

• Lavel panel

- On the challenges and roles of the different actors in the implementation of water management adapted to climate change in arid and hyper-arid zones
- The Nexus Water-Energy-Food Ecosystem (WEFE Nexus) approach highlights the interdependence of water, energy, food security and ecosystems.



Dr. Abdullah Saif Al-Ghafri, Professor of the UNESCO Chair on Aflaj Studies-Archaeohydrology (The Chair holder)the University of Nizwa -Sultanate of Oman



Pr. Jean Albergel, Research director emeritus IRD, UMR LISAH, SupAgro, Montpellier-France



Pr. BOUHLILA Rachida, Professor National Engineering School of Tunis (ENIT), University of Tunis El Manar -Tunisia.



Pr. Luís NUNES, Universida de do Algarve Faculta de de Ciênciase Tecnologia -Purtugal



Pr. Boualem REMINI, Saad Dahlab Blida 1 University, Algeria, "The father of the Algerian fogara"



Pr. Majid Labbaf Khaneiki, Assistant professor, UNESCO Chair on Aflaj Studies, The University of Nizwa, OMAN- Studies Agro-Economics and Socio-Hydrology Team international expert on Iranian Qanats,



Pr. Lucila Candela, Expert researcher in hydrogeology, IMDEA-Water. Espagne



Pr. Abdalraheem HUWAYSH, Faculty of Science, University of Tripoli, Tripoli, Libya



Dr. Ziyana AL-RAWAHI, University Drive, Fairfax, Virginia, USA



Pr. Mamoon M.D. AL-RSHAIDAT, Biological Sciences School SXD of Sciences The University of Jordan, Amman, Jordan



Pr. Patrick Lachassagne, Dr, HD, Director at Université de Montpellier CNRS IRD IMT Mines Alès Montpellier, France



Pr. HAMZAQUI Fadoua ; Faculty of sciences , Professor (Associate) at University of Tunis El Manar- Tunisia.

