



# 4<sup>th</sup> Atlas Georesources International Congress

18 - 20 March 2023, Hammamet, Tunisia

AGIC 2023

## Geoscience Innovations For Resource Management : Socio-Economic Challenges In An Environmentally Constrained World

### Key Dates

July 31<sup>th</sup>, 2022

Abstract submission  
Online opened



January 31<sup>st</sup>, 2023

Notification of acceptance



### AGIC2023 Topics

January 15<sup>th</sup>, 2023

Abstract submission  
Deadline



### Contacts

email: [agic2023@gmail.com](mailto:agic2023@gmail.com)

Website : <https://agic2023.sciencesconf.org/>

or via QR Code:



1- HydroGeosciences and Water Valorization

2- Non-Renewable and Renewable Energies

3- Geological modelling and Georesources mangement

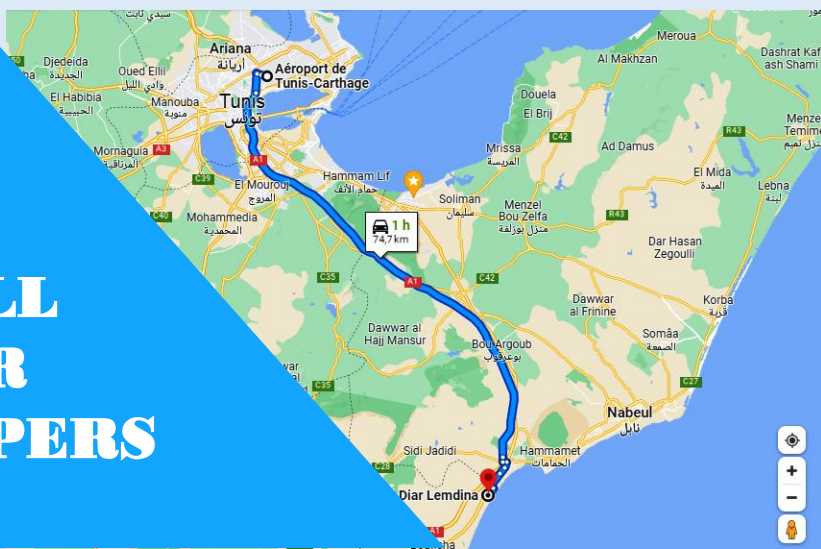
4- Remote Sensing, Big Data and Artificial Intelligence in Geosciences

5- Environment and Climate Change

6- Soil Sciences and Heritage

7- Geo-Heritage and Medical Geology

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## Organization

The Laboratory of Georesources (LGR, CERTE) is organizing the 4<sup>th</sup> Atlas Georesources International Congress (AGIC2023), which will take place in Hammamet (Tunisia) from 18 to 20 March 2023.

## About the conference

The Laboratory of Georesources (LGR) at the "Centre for Water Research and Technologies (CERTE)" and the "Association Tunisienne de Géoresources", are pleased to organize the 4th Atlas Georesources International Congress (AGIC 2023) from 18 to 20 March 2023 in Hammamet, Tunisia.

## Aim and Objectives of AGIC2023

AGIC2023 will bring together researchers, research scholars, experts and policy makers to share their research, experiences and discuss recent advances in Geosciences innovation for resources management: socio-economic challenges in an environmentally constrained world.

## About the AGICs

- The AGIC2021 organized in 22-24 March 2021 was also a very successful scientific event. Because of the health crisis related to the COVID-19, the AGIC2021 was organized online via Visio-conference system, and participation was free of charge. About 200 scientists from 11 countries presented about 101 oral and poster presentations. Selected papers were published in a peer Special Issue "Water Quality, Global Changes and Groundwater Responses" in Arabian Journal of Geosciences.
- The AGIC2019 organized in 28-30 March 2019 was also a very successful scientific event. About 100 scientists from 15 countries presented about 80 oral and poster presentations and 4 Keynote conferences to discuss recent advances related to Groundwater and their applications for human being.
- The AGIC2017 organized in 20-22 March 2017 was a very successful scientific event. About 350 scientists from 11 countries presented about 180 oral communications and 170 posters to discuss their knowledge and research on recent advances in Geosciences and their applications for development.

Selected papers were published in a peer Special Issue in Arabian Journal of Geoscience (Springer).

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## Topics overview

**1- HydroGeosciences and Water Valorization:** We are requesting contributions on all different processes relevant to the most vital resources: water; using interdisciplinary fields of geosciences (hydrogeology, geophysics, geochemistry...). We seek research aiming to increase the understanding of groundwater and surface water sustainable stewardship, taking into account the current needs and also those of future generations.

**2- Non-Renewable and Renewable Energies:** This session welcomes all contributions dealing with innovative solutions for the exploration of conventional and unconventional oil and gas resources. It focuses also on the socioeconomic challenge of the Renewable Energy Transition: new technologies and energy efficiency.

**3- Geological Modeling and Georesources Management:** This topic deals with the role of geomodeling for subsurface geobodies/reservoir characterization. We welcome all contributions that focus on geological, geophysical, geostatistical and GIS methods for developing robust geomodels that help interpret complex geological phenomena and assess georesources.

**4- Remote Sensing, Big Data and Artificial Intelligence in Geosciences:** This Topic deals with novel methodological approaches, software development, models, and best practices in research related to this domain. This topic welcomes all contributions that focus on machine learning, neural networks, advanced data science analytics, remote sensing and Image processing.

**5- Environment and Climate Change:** contributions in this topic will be focusing on causes and effects of global change, sustainable water management under climate change, climate change, extreme events and natural disasters, and approaches for climate change impact adaptation and mitigation.

**6- Soil Sciences and Heritage:** This session focuses on advances in field and laboratory approaches in soil sciences to understand the soil properties and their management especially in the context of geotechnical engineering and sustainable agricultural practices. It also welcomes all contributions on applied geosciences to archaeology intending to contribute to the exploration and the preservation of our archaeological heritage.

**7- Geo-Heritage and Medical Geology:** : This topic seeks contributions that focus on Geosites inventory and management, Planning and Development Strategies of Geotourism Destinations, Geoparks, valorization and maintenance of these geological patrimony and Case studies of good/bad practices in geotourism. We welcome also the contributions focused on medical purposes of geological resources and environmental impacts on ecosystem and humans health

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## Field Trip

### **The Korbous-Zaghouan Geopark (NE-Tunisia): geohydrothermal, oil/gas, mining and cultural interest**

The field trip will be organized in Zaghouan and Korbous Geopark region to visit the thermal springs, Cave, Karst which plays an important role in the conservation of the geoheritage due to their scientific and touristic interest.

This visit coincides with the activities the project "Hydrogeological significance of Mediterranean Geoparks (IGCP-730)" founded by the International Geosciences Program of UNESCO.

Through this field trip we will visit the Korbous geothermal springs, Hammam Zriba spring, Hammam Jdidi and Jbel Oust thermal Station. We will also stop at Zaghouane water temple and its famous aqueduct built in the 2nd century BC (Roman period).

To learn about petroleum and mining interest of the region, Barremian-Albian shale oil/gas systems associated or not with hydrothermal systems and mines in the region will be shown.



**Zaghouan Water temple**



**Korbous Thermal Spring**



**Shale Gas resource system**



**Shale Oil resource system**

Guided by: **Dr. Badia Chulli & Dr. Rachida Talbi**

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Keynote speakers



**Pr. Hakim Gabtni**  
Center of Water Research and  
Technologies (Tunisia)



**Pr. Maurizio Fedi,**  
University of Naples Federico II  
(Italy).



**Pr. Sihem Ben Abdallah,**  
Center of Water Research and  
Technologies (Tunisia)



**Pr. Pierre Rochette,**  
Aix-Marseille University  
(CEREGE, France)



**Pr. Fagher Jamoussi,**  
Center of Water Research and  
Technologies (Tunisia)



**Pr. Abdelkrim Yelles,**  
CRAAG (Algeria)



**Dr. Majdi HAZAMI**  
Research and Technology Centre  
of Energy (CRTE)



**Pr. Abdelaziz Mridekh,**  
Ibn Tofail university (Morocco)



**Dr. Faten Jarraya-Horriche,**  
Center of Water Research and  
Technologies (Tunisia)

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## Registration and Conference fee

### Registration

Intending participants should confirm their participation by filling the registration form online available on the conference website <https://agic2023.wixsite.com/my-site>

Registration Due: **September 15th, 2022**

### Fee

	<i>Inscription and accommodation 3 days 2 nights (full board accommodation)</i>		<i>Field Trip</i>	
	<i>Tunisian participants</i>	<i>International Participants</i>	<i>Tunisian participants</i>	<i>International Participants</i>
<i>Student</i>	<b>450 DT</b>	<b>200 €</b>	<b>150 DT</b>	<b>100 €</b>
<i>Academic</i>	<b>550 DT</b>	<b>300 €</b>		
<i>Non-Academic</i>	<b>800 DT</b>	<b>400 €</b>		
<b>Exhibition Stand</b>	<b>2000 DT</b>	<b>1000 €</b>	*	*

The registration fee includes hotel accommodation, access to all sessions, conference kit, participation certificate, access to keynote talks, coffee breaks and meals.

- \* Accommodation is intended for a double room shared by two persons during the conference days. For a Single room a supplement of 50 TND (for Tunisian) and 25 Euro (for International Participants ) is to add to the total fee.
- \*One extra night fee is 150 TND (for Tunisian) and 70 Euro (for International Participants ).
- \*A supplement of 150 TND (for Tunisian) and 70 Euro (for International Participants) is to pay for each person accompanying the participant in a double room.
- \* Exhibition Stand fee includes the accommodation charges for one person.

### Payment

Registration for the AGIC 2023 is secured via payment of the appropriate registration fee to the following bank account:

Payment to : « **Association Tunisienne de Géoresources ATGR** »

**Address :** CERTE - LGR, Technopole Borj-Cédria Rte Touristique de Soliman BP n°273-8020 (Tunisie)

**Matricule fiscal / VAT code :** 1643074/B

**Bank name :** La Poste Tunisienne

**RIB :** 1700 2000 0002 9314 9469

**IBAN:** TN59 1700 2000 0002 9314 9469

**SWIFT (BIC) Code :** LPTNTNTT

*\*Please, do not forget to indicate your first and last name and AGIC2023 on the payment Form. For participants who cannot secure the payment by bank transfer AGIC offers them the possibility to pay the fee by order Form (only for Tunisian) and on-site by cash at the reception desk on the first day of the conference.*

*For more details, please visit the conference website <https://agic2023.wixsite.com/my-site>*

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## Abstract submission

Authors are kindly invited to submit their abstract online by filling the abstract submission form available on the conference website : <https://agic2023.sciencesconf.org> . in the submenu Registration and submission on the left of the page. You can also scan the flowing QR code

Registration & Submission



Please note that **only electronic submission** will be considered for review.

Abstract must be in English of up to 2000 characters

Paper content must be original and relevant to one of the seven conference topics

Abstract must be only text format and exempted from figures, tables, diagrams, etc...

**For more details, please refer to the Instructions for Authors on the conference website**

<https://agic2023.sciencesconf.org/>

**Important dates:**

**Abstract submissions are now open**

**Abstract submission deadline : January 15<sup>th</sup>, 2023**

**Notification of acceptance: January 31<sup>st</sup> 2023**

Selected contributions will be considered for possible publication in a special issue in Journal of African Earth Sciences and in a Q2 specializing geophysics journal according to the journal peer review requirements

## Conference Venue

The **AGIC2023** will take place in Hammamet which is a coastal city located in the North East of Tunisia. The city called 'garden resort' is very famous for its vegetation and also by its endless white sandy beach and tourist resort. Between the Kasbah of Old Hammamet and the resorts of New Hammamet is located the Pupput Roman site showing settlement that existed as early as the first century BCE. The conference will be held from 18 to 20 March 2023 at the **Diar El Medina 4\* hotel** located in Yasmin Hammamet. The hotel is nestled on an idyllic Tunisian beach where you can enjoy the cultural wealth of the surroundings thanks to its excellent location, only 60 km from Tunis, 8 km from the ancient town of Hammamet and 500 metres from the main shops.

\* Transfer from/to the Airport to/from the conference hotel can ensured upon demand. Please send email to [agic2023@gmail.com](mailto:agic2023@gmail.com) if you need airport transfer. Transfer fee is not included in conference registration.

## Contacts

For any assistance and question regarding the AGIC2023 conference, please contact us by

Conference e-mail : [agic2023@gmail.com](mailto:agic2023@gmail.com)

And visit the conference website: <https://agic2023.sciencesconf.org/>

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