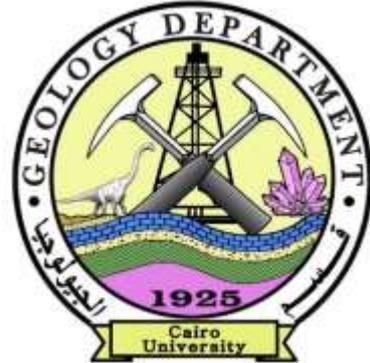




CAIRO UNIVERSITY



THE 12TH INTERNATIONAL CONFERENCE ON THE GEOLOGY OF THE ARAB WORLD (GAW 12)

"Sustainability from the Gulf to the Ocean"

Cairo University – 3-6 November 2025



(First Circular)

After a decade-long hiatus, the prestigious conference on the Geology of the Arab World (GAW) is making its highly anticipated return, bringing together leading geoscientists, researchers, and industry experts from across the region and beyond. GAW 1 was held 1992 by Prof. Ali Sadek held in Cairo University. Since then, this landmark event has served as a vital platform for exploring the latest advancements in geological research, resource management, and sustainable development, with a focus on the uniquely extensive geological landscapes of the Arab world. As global challenges reshape the field of geosciences, this conference aims to foster collaboration, innovation, and knowledge exchange, ensuring that the region remains at the forefront of the geoscience's innovation and application.

The Arab region holds a significant share of global energy production, particularly in oil and natural gas (30% of global crude oil production and 18% of the world's natural gas production). Moreover, the Arab region is rich in mineral resources and raw materials, including phosphates, gold, aluminum, copper, iron ore, and rare earth elements. These resources play a crucial role in global supply chains.

The Geology Department of the Cairo University is delighted to invite scientists and researchers to congregate in the Cairo University campus for the 12th international conference on the geology of the Arab world (GAW 12).

This conference, being the most reputable geological conference in Egypt, brings together leading researchers and scientists in the domain of interest from around the world. The principal purpose of the 12th copy of this conference is to shed light on the new and innovative topics in all disciplines of geology and geosciences in the Arab world.

The significant topics for submission include, but are not limited to:

- 1. Regional Geology and Tectonics of Gondwana and later**
- 2. Energy resources: conventional, unconventional and renewables**
- 3. Mineral resources and raw materials**
- 4. Water resources and hydrogeology**
- 5. Environmental issues, geological hazards and desertification**
- 6. New horizons and innovative approaches in geosciences: Geo-informatics, AI and data analytics, remote sensing and GIS**
- 7. Climate Change: geological record and forecasting.**
- 8. Geoarchaeology and Cultural Heritage**
- 9. Geoeducation and Capacity Building. Developing Geoscience Education in the Arab World. Women in Geosciences: Opportunities and Challenges. Industry-Academia Collaboration in Earth Sciences**
- 10. Geoheritage: conservation of nature and sustainable development.**

Field Trips and their objectives:

- 1. Western Desert Depressions (Fayoum, Bahariya and Farafra): Geology, geomorphology, paleoclimate and human history.**
- 2. Eastern Desert (Quseir – Marsa Alam): history of the Arabian Nubian Shield.**
- 3. West-central Sinai: Gulf of Suez / Red Sea Rift.**

THE 12th INTERNATIONAL CONFERENCE ON the geology of the ARAB WORLD (GAW 12)

PRE-REGISTRATION FORM

Family Name:

First Name:

Affiliation:

Address:

Phone:

E-mail:

I intend to: Attend only Present a paper: Oral Poster

Topic:

Title of Contribution:

.....

.....

A copy of the Passport should be sent with the pre-registration form and the abstract by 30 April 2025.

Date:

Signature:

Conference Secretary

Dr. Mohamed AbdelGawad

Geology Department, Faculty of Science

Cairo University

mkabdelgawad@cu.edu.eg

geologyarabworld12@gmail.com

Geology Department, Faculty of Science, Cairo University, Giza, Egypt

Tel. 0020 35676864