

**Under the Patronage of**

**H.E. Dr. Mohamed Bin Mubarak Bin Daina**

Minister of Oil & Environment,  
Special Envoy for Climate Affairs  
Kingdom of Bahrain



# 1st Gulf Chemistry Association International Conference & Exhibition

13 - 14 November 2022  
Pre-Conference Courses

15 - 17 November 2022  
Conference and Exhibition



**Executive Committee Chair**

**Ahmad Al Khowaiter**

*Chief Technology Officer*  
**Saudi Aramco**



**Role of Chemistry in Sustainable Energy  
for Oil and Petrochemical Industries**



**GCA\_conf**

[www.gca2022.org](http://www.gca2022.org)



## CHAIRMAN'S MESSAGE



On behalf of the organizing committee, I welcome you to the First Gulf Chemistry Association International Conference and Exhibition (GCA 2022), which will be held from 13 to 17 November 2022 at the Gulf Convention Center, Gulf Hotel in Manama, Kingdom of Bahrain.

In line with the 4<sup>th</sup> Industrial Revolution, the theme of GCA 2022 is "Role of Chemistry in Sustainable Energy for Oil and Petrochemical Industries" which will cover vital and contemporary topics in Chemistry field such as CO<sub>2</sub> capturing and its applications, Circular Carbon Economy (CCE), Renewable Energy, Artificial Intelligence, Big Data and Robotics in Chemistry. The main objectives of the conference are: to foster the contemporary Chemistry and its application in region, and to support the industry & academia researches and studies by providing the world-class platform to dialogue and exchange the knowledge.

The GCA 2022 is a unique version of Chemistry conferences in region because it is involving all the GCC chemistry associations and societies as well as the highly recognized international ones such as IUPAC and ACS. The GCA 2022 is targeting 1000+ delegates and more than 100 exhibitors who will make your experience rich of knowledge and exposure.

Looking forward to meet you in GCA 2022!

**Yousef Al Marzooq**

*Conference Chairman, GCA-2022*

chairman@gca2022.org

## INTRODUCTION

The Gulf Chemists Union (GCU) and The Saudi Arabian International Chemical Sciences Chapter (SAICSC) are organizing the first Gulf Chemistry Association International Conference and Exhibition (GCA 2022), which will take place during 13-17 November 2022 at the Gulf Hotel Convention Center , Manama, Kingdom of Bahrain.

GCA 2022 Conference and Exhibition is intended to be an international forum for leading manufacturers, academicians, researchers, engineers, young scientists, students and business giants to ensure the maximum interaction and to present better data, knowledge and cutting-edge technologies for the improvement of the world chemical industries considering the global chemistry and environment challenges.

GCA 2022 will incorporate pronounced keynote speakers, technical program and a world class Exhibition. The technical program will include keynote speeches, panel discussions, oral talks, poster session, and short courses. The exhibition will be a great chance for companies and institutions to showcase their state-of-the-art technologies and products.

## CONFERENCE OBJECTIVES

- Foster the contemporary Chemistry and its application in GCC region for sustainable development.
- Support the industry & academia researches and studies by providing a global platform to dialogue and exchange the knowledge.
- Empower women in science and expose the GCC female scientists to the global scale.
- Sustain the scientists' growth by awarding the best young- scientist research.
- Promote chemistry education and qualification in GCC region.
- Establish more effective networking and collaboration among manufacturers and researchers.





## CONFERENCE TOPICS:

- **Fourth Industrial Revolution (IR 4.0)**
  - Artificial Intelligence
  - Big Data
  - Robotics in Oil and Chemical Industries
- **Carbon Management**
  - CO2 capturing and its applications
  - Circular Carbon Economy (CCE)
  - Emissions and climate changes challenges
- **Clean and Renewable Energy**
  - Energy storage
  - Photovoltaic and Solar Cells
  - Renewable Energy
  - Energy of Future
- **Environment and Waste Management**
  - Materials for Environment and Waste Water Purification
  - Sustainability and Waste Management Techniques
- **Catalysis**
  - Catalysts-based nanotechnology
  - Photo-catalysis and Electro-catalysis
- **Materials**
  - Functional Nano-materials and Nano-technology
  - Functional Materials synthesis and characterization
  - Nano-structured material
  - Micro-porous material
- **Industrial Chemistry**
  - Petrochemicals
  - Polymer and Nano-composites
  - Enhancement and Improvement of Oil Recovery
  - Exploration and Geochemistry
- **Laboratories Operational Excellence**
  - Advanced analytical and laboratory methodologies
  - Laboratory Safety and Safety Leadership
  - ISO 17025 and quality management system

**For any inquiries, please contact**

Technical Committee Chair

Dr. Taha M. Okasha

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# PRE-CONFERENCE COURSES

13 - 14 November  
**2022**



**Dr. Hassan Rabiah**

Chromatography in Petroleum Industry



**Dr. Mohammed Faisal**

Role of Artificial Intelligence in Oil Industry



**Dr. Jerry Gordon**

Best practices for handling safety management system in modernized laboratories



**Mr. Alok Jain**

Interpretation of ISO/IEC 17025:2017 and best practices of implementation



**Dr. Abou Hamad**

Role of NMR in chemical and oil industry

## EXHIBITION

GCA 2022 offer your company the opportunity to showcase your service and products, meet targeted customers, and chemists, researchers, laboratory managers and business decision makers. The most influential people in the industry will attend GCA 2022 to learn about new developments in analytical instrumentation and techniques like yours. Exhibiting at GCA 2022 given you exclusive opportunity to reach key-customers face-to-face.

- **Exhibition Stands:**

A limited number of stands, either furnished or unfurnished are available with standard dimensions of 3 meters long and 2 meters wide. A furnished stand includes shell scheme, carpet, power point (13A, 240V), lighting and name signs in English. Additional stands, equipment or services can be arranged upon request.

- **Exhibition Cost, Booking and Payment:**

Cost of one exhibition stand (3 x 2m) for the duration of the conference is 1150 BHD (USD 3,000) for furnished and 950 BHD (USD 2,400) for unfurnished. Reservation will be made only upon receipt of a full payment. The payment can be arranged with the Exhibition Committee Chair.

For any enquiries, please contact

Exhibition Committee Chair  
Mr. Ghazi Hussain  
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E: [exhibition@gca2022.org](mailto:exhibition@gca2022.org)



## SPONSORSHIPS OPTIONS:

- Names and logos of companies falling under any of the following sponsoring categories will be added in the conference publicity materials.
- Executives of sponsoring Company's will be invited and treated as VIPs level during the event.
- Beside that, the following benefits will be provided to the different sponsorship categories:

Benefits	Diamond BHD 15,000 (USD 40,000)	Platinum BHD 9,000 (USD 24,000)	Gold BHD 7,000 (USD 18,600)
Number of Complementary 2 x 3m Booth.	4 booths	2 booths	1 booth
Number of free invited Delegates	10	5	4
Pages for advertisement in Conference Program Booklet	Two (2) pages	One (1) page	Half (1/2) page
Level of Honorary Plaque by the conference patron.	VIP Honorary Plaque	1 <sup>st</sup> Level Honorary Plaque	2 <sup>nd</sup> Level Honorary Plaque

## ADD-ON AND EXCLUSIVE SPONSORSHIPS OPTIONS:

Option	Cost
CHEMATHON	BHD 2000 (USD 5,500)
Women Workshop	BHD 560 (USD 1,500)
Gala Dinner	BHD7,500 (USD 20,000)
Delegates Lunch	BHD 3,750 (USD 10,000) per lunch
Delegates Coffee Breaks	BHD 1,500 (USD 4,000) per day
Meeting Lanyards (lots of 1000)	BHD3,750 (USD 10,000)
Best of (Paper, Poster) & (Promoter)	BHD500 (USD 1,300) per award
Promotional Material: Delegate-bag Inserts	BHD 600 (USD 1,500)

**For any inquiries,  
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