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الأمريكية  
في الإمارات  
American  
University  
in the Emirates



Invitation to a workshop  
on

## “Climate Change, Sustainable Development and the Green Economy”

Under The Patronage of

**Prof. Muthanna G. Abdul Razzaq**

President of the American university in the Emirates (AUE),  
UAE

&

**Prof. Gad El-Qady**

President of National Research Institute of Astronomy &  
Geophysics (NRIAG), EGYPT

Date: Wednesday 20 September 2023

Venue:

The American university in the Emirates (AUE), Dubai,  
UAE.

&

Online via Zoom:

<https://us06web.zoom.us/j/4617295687>

Meeting ID: 461 729 5687

Passcode: aue2020

Registration Link:

<https://campus.aue.ae/Public/Events/Registration.aspx?EventID=176>

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## Program

Moderator: Ms. Yomna Tolan

|                    |   |   |
|--------------------|---|---|
| 9:00 -10:00        | Registration  |   |
| 10:00-10:30        | Opening Remarks   | <ul style="list-style-type: none"> <li>• Prof. Prof. Muthanna G. Abdul Razzaq (President of AUE)</li> <li>• Prof. Gad El-Qady (President of NRIAG)</li> <li>• British council at UAE</li> </ul> |
| <b>10:30-12:30</b> | <b>Session 1:<br/>Impact of Climate Changes</b>   | <b>Session Chair:<br/>Prof. Assem Tharwat<br/>(Vice president for Research-AUE)</b>   |
| 10:30 -11:00       | NRIAG strategy on the climatic changes and its impact.                                  | Prof. Gad EL-QADY (NRIAG)   |
| 11:00 -11:30       | Low/Zero Carbon Buildings   | Dr. Harjit Singh (Brunel University London)   |
| 11:30-12:00        | UAE's Carbon Footprint and Beyond: Navigating Climate Change Towards Sustainable Future | Dr. Suzan Shahin (Head of Innovation & Entrepreneurship Centre/ Assistant Professor, Umm Al Quwain University)  |

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|--------------|---|---|
| 12:00-12:30  | Rain Enhancement in the UAE: A Comprehensive Journey Towards Sustainable Water Security | Ms. Alya Al Mazrouei<br>(Director of U.A.E Research Program for Rain Enhancement Science, National Centre of Metrology) |
| 12:30 -13:00 | Networking  |   |



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| 13:00 – 15:00 | Session 2: Climate Change Applications  | Session Chair<br>Dr. Khaled Al-Kassimi<br>(Research Support Director – AUE) |
|---------------|---|---|
| 13:00 -13:30  | Toward Polygeneration Solar Energy for Climate Change mitigation Strategies                                     | Prof. Ahmed Ghitas (NRIAG)  |
| 13:30 -14:00  | Cloud seeding Operations in the UAE   | Mr. Sufian Farrah (Cloud seeding Specialist, NCM.)                          |
| 14:00 -14:30  | Impact of climate change to the Mediterranean basin sea level rise and the Nile Delta subsidence.               | Prof. Khalid Zahran (NRIAG)   |
| 14:30 - 15:00 | Carbon Accounting and Climate Finance: The Impact of Renewable Energy Strategies on Sustainable Economic Growth | Prof. Asma Salman (AUE)   |
| 15:00 -15:15  | Q/A   |   |
| 15:15 – 15:30 | Concluding Remarks  |   |
| 15:30 – 16:30 | Lunch   |   |

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