

29<sup>th</sup> – 31<sup>st</sup>  
March  
2022



# The 10<sup>th</sup> Annual Ain Shams University International Conference

*The University as an Anchor for Development  
Towards the New Republic*

Ain Shams University  
since 1950

## Basic Science Sector

### Prof. Mahmoud Shawky El Meteini

President of the Conference  
President of Ain Shams University

### Prof. Abdelfattah Saoud

Vice President of the Conference  
Vice President of Ain Shams University  
for Students Affairs

### Prof. Mohamed Ayman Saleh

Vice President & Executive Head of the Conference  
Vice President of Ain Shams University  
for Graduate Studies & Research

### Prof. Hisham Kamel Temraz

Vice President of the Conference  
Vice President of Ain Shams University  
for Community & Environment Affairs

Track Coordinator

### Prof. Mohamed Montasser

Vice Dean – Faculty of Science



SCAN ME



Ain Shams Faculty of Medicine  
Training Enhancement & Education Center

<http://conferences.asu.edu.eg>





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## Basic Science Sector

**Training Enhancement & Education Center – Hall 402**  
**Wednesday 30<sup>th</sup> March 2022**

**09:30 - 11:00** **Egypt, Skills up with nuclear energy**

Chairpersons:

**Adel Emara**

**Alaa Abdel Halim**

**Mohamed Samir Abdel Moez**

**Nanobiotic Formulations as Promising Advances for Combating Multidrug Resistant Pathogenic Microbes**

**Gharieb El-Sayyad - Egyptian Atomic Energy Authority**

30 min

**Transparent Conductive Thin Films for Photovoltaic Applications**

**Ahmed Abdel Galil - Egyptian Atomic Energy Authority**

30 min

Each talk is followed by 15 minutes discussion

**11:00**  
**11:15** | **Break**

**11:15 - 12:35** **Women in Science**

Chairpersons:

**Soud Abdallah**

**Walaa Ahmed**

**A Journey from Chemistry to Serving the Society and the World with Science**

**Amal Amin - Associate Professor of Physics - National Research Center, Egypt**

30 min

**Empowerment of women Through Science and Technology**

**Boshra Awad - UNESCO Chair Holder for Empowerment of Women Through Science and Technology, Professor of Physical Organic Chemistry, Director of IT Unit, Faculty of Women for Arts, Science and Education**

30 min

Each talk is followed by 10 minutes discussion

**12:35**  
**13:30** | **Break**



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**Wednesday 30<sup>th</sup> March 2022**

### **13:30 – 14:00** Keynote Lecture

Chairpersons:

**Ahmed Refaat Ezzat**

**Adel Fahmy**

**Hanan El-Hayes**

Second Generation of Personalized Vaccines and Immunotherapy

**Ahmed Mahmoud A. Salman - Senior Immunologist-Vaccinologist/PI**

**The Jenner Institute, University of Oxford, UK**

25 min

The talk is followed by 5 minutes discussion

**14:00** | Break  
**14:15**

### **14:15 – 14:45** Keynote Lecture

Chairpersons:

**Ahmed Refaat Ezzat**

**Adel Fahmy**

**Hanan El-Hayes**

Can Nanotechnology shrink the gap between Basic Science  
and Engineering?

**Amal Kasry - Chief of Section for Capacity Building in Basic Science and  
Engineering, Natural Sciences Sector, UNESCO; Paris, France**

25 min

The talk is followed by 5 minutes discussion

### **15:00 – 16:00** Selected Abstracts in Basic Sciences

Chairpersons:

**Alaa Abdel Halim**

**Amany Soliman**

**Mohamed Hamed Abdel Aal**



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### **09:30 - 11:00** Breaking into Green Chemistry

Chairpersons:

**Adel Emara**

**Mohamed Samir Abdel Moez**

**The role of Universities in Maintaining Green Environment**

**Mostafa Mahmoud Emara - Professor of Chemistry  
Al-Azhar University (Boys), Cairo**

30 min

**Layered Double Hydroxides (LDH) as Multifunction Nano Materials  
in Water Research**

**Ahmed Farghali Professor of Materials Science and Nanotechnology  
Dean of Faculty of Postgraduate Studies for Advanced Science,  
Beni-Suef University, Egypt**

30 min

Each talk is followed by 15 minutes discussion

**11:00**  
**11:15** | Break

### **11:15 – 13:15** A scope on our young scientists

Chairpersons:

**Mohamed Sayed Salama**

**Wael Samir Mahmoud**

**GEM Technology for Muons Detection within CMS Experiment at CERN**

**Shimaa Abuzeid- Postdoctoral Research Fellow, INFN- Italy Physicist at CMS  
Experiment - CERN -Switzerland. Lecturer at Physics Department, Faculty of  
Women for Arts, Science and Education - Ain Shams University - Egypt**

30 min

**Future Patient**

**Abdel Rahman A Ghaffar - Professor of Biochemistry, Director of Central LAB  
Faculty of Science, Ain Shams University**

30 min

**Shape Memory Alloys and Martensitic Transformation**

**Noura Sedky - PhD Degree - Faculty of Science and Technology  
Debrecen University, Hungary**

30 min

Each talk is followed by 10 minutes discussion

**13:15**  
**13:30** | Break



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**Thursday 31<sup>st</sup> March 2022**

**13:30 – 14:00** Keynote Lecture

Chairpersons:

**Magdy Tawfik Khalil**

**Mohamed Khaled Ibrahim**

**Egypt 2030 Strategy for Fish Resources Development in Egypt**

**Salah Moselhy - Head of GAFRD**

**General Authority for Fish Resources Development**

25 min

The talk is followed by 5 minutes discussion

**14:00**  
**14:15** | Break

**14:15 – 14:45** Keynote Lecture

Chairpersons:

**Magdy Tawfik Khalil**

**Mohamed Khaled Ibrahim**

**Nano Bimetallic Protective Layer for Preservation of Cultural  
Heritage Objects**

**Medhat Ibrahim - Nanotechnology Research Centre (NTRC),  
The British University in Egypt (BUE).**

25 min

The talk is followed by 5 minutes discussion

**14:45**  
**15:00** | Break



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### **15:00 – 15:30** Keynote Lecture

#### Chairpersons:

**Karim Wagih Morcos**

**Mohamed Hamed Abdel Aal**

**Mohamed Samir Hamza**

**Egypt's Water Resources: Challenges and Solutions**

**Mohamed Sultan - Professor of Remote Sensing**

**Western Michigan University, USA**

25 min

The talk is followed by 5 minutes discussion

**15:30**  
**15:45** | Break

### **15:45 – 17:45** Selected Abstracts in Basic Sciences

#### Chairpersons:

**Ashraf Boghdady**

**Mohamed Hamed Abdel Aal**

**Highly-Cited Journals: ideas, research, steps towards publishing**

**Mai Saleh A. Hussein - Associate Professor of Physical Chemistry**

**Department of Chemistry, Faculty of Education - Ain Shams University**

120 min