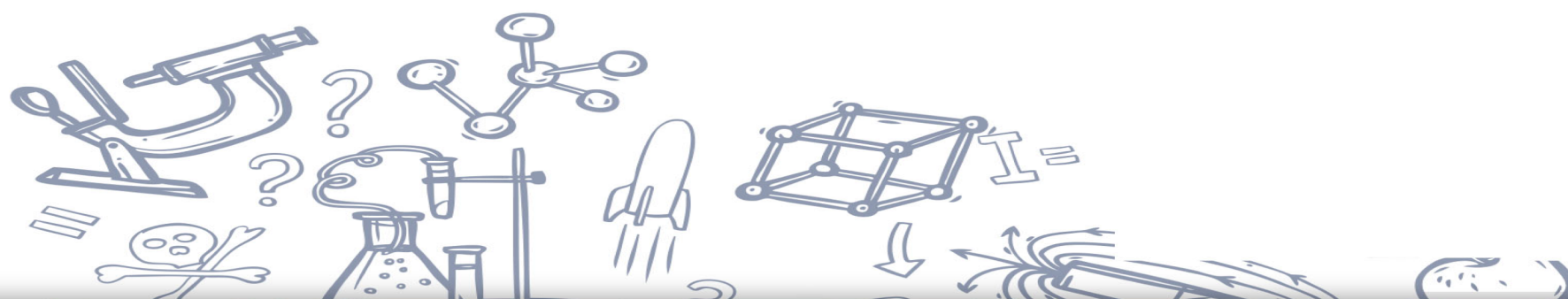
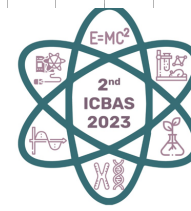


# The 2<sup>nd</sup> International conference on Basic and Applied Science (2<sup>nd</sup> ICBAS 2023)

Toward Innovations in Science & Technology

Conference Schedule (2<sup>nd</sup> ICBAS-2023)





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## The 2<sup>nd</sup> International conference on Basic and Applied Science (2<sup>nd</sup> ICBAS 2023)

Toward Innovations in Science & Technology

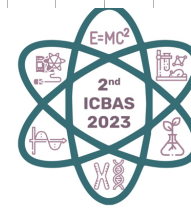
Conference Schedule (2<sup>nd</sup> ICBAS-2023)

First day: 7-5-2023

9.00: 10.00	Registration		
10.00: 12.00	Opening session		
Place	Royal Ballroom		
12.00 :12.30	Conference Photos		
12.30 :1.00	Coffee Break		
1:00 :3.00	Session 1 Innovation in Artificial Intelligence	Session 2 3D printing & innovation in polymeric materials	Session 3 Innovations in Immunology, Physiology & Embryology
Place	Marquis 1	Marquis 2	Royal Ballroom
3.00: 4.00	Lunch		
4.00: 5.00	Poster Session		
Place	Marquis 1	Marquis 2	Royal Ballroom
5.00: 7.00	Session 10 2-D Nanosystems: Nonlinear Optics & Biomedical applications	Session 4 Plant Biodiversity & Climate	Session 5 Innovations in Medical applications
Place	Marquis 1	Marquis 2	Royal Ballroom

Second day: 8-5-2023

9.00: 10.00	Registration		
10.00: 12.00	Session 6 Innovations in Medical Entomology and Marine Biology	Session 7 Technology in Renewable Energy Storage	Session 8 Energy Harvesting in Nanosystems
Place	Marquis 1	Marquis 2	Royal Ballroom
12.00: 12.30	Coffee Break		
12.30: 2.30	Concluding Plenary Session & Closing Ceremony		
Place	Royal Ballroom		
3.00: 4.00	Lunch		



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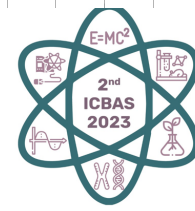
Toward Innovations in Science & Technology

Conference Schedule (2<sup>nd</sup> ICBAS-2023)

First day: 7-5-2023

1:00 :3.00	<b>Session 1</b> <b>Mathematics and Innovation in Artificial Intelligence</b>
Place:	<b>Marquis 1</b>
<b>CHAIRPERSON:</b>	<b>Prof. Nahed Desouky</b> <b>Dr. Abeer Desouky</b>
1:00: 1:30	<b>Prof. Mohamed Farag</b> Dean of Obour High Institute for Management & Informatics, Faculty of Science (Boy), Al-Azhar University, Egypt <i>Benefits which we can see in using IoT devices in our daily life</i>
1:30: 2:00	<b>Dr. Karan kumar</b> Electronic and Communication Engineering Department, Maharishi Markandeshwar, India <i>Biomedical image processing using artificial intelligence in new era</i> (online)
2:00: 2:20	<b>Dr. Mariem Mahmoud</b> Computer Science Department, Faculty of Science (Girls), Al-Azhar University, Egypt <i>Optimized deep learning for gas sensor</i>
2:20: 2:40	<b>Dr. Aya Said Noah</b> Computer Science Department, Faculty of Science (Girls), Al-Azhar University, Egypt <i>An approach for Fake website detection</i>
2:40: 3:00	<b>Dr. Asmaa Mohamed</b> Computer Science Department, Faculty of Science (Girls), Al-Azhar University, Egypt <i>An Improved Method for Apple Leaf Disease Detection Based on Hybrid DenseNet121</i>





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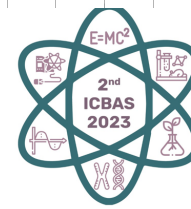
Toward Innovations in Science & Technology

Conference Schedule (2<sup>nd</sup> ICBAS-2023)

First day: 7-5-2023

1:00 :3.00	Session 2 3D printing & innovation in polymeric materials
Place:	Marquis 2
CHAIRPERSON:	Prof. Karema Salem Prof. Samia Abo Farha Prof. Fatma Taher
1:00: 1:30	Prof. Ahmed Abd El Aziz vice dean for student affairs, Faculty of Engineering and Materials science, GUC, Egypt <i>Technology development for Liquid Deposition Modelling (LDM): 3D printing with renewable raw materials</i>
1:30: 1:50	Dr. Vera E. Frolova Physical and Mathematical Sciences Voronezh State University, Russia <i>Studies of structural and optical properties of polymeric materials from 3D printing pattern types</i> (online)
1:50: 2:20	Prof. Ahmed M. Youssef Head of Packaging Materials Department, NRC, Egypt <i>Recent applications of biodegradable polymer nanocomposites materials in food packaging</i>
2:20: 2:45	Assoc. Dr. Hassan Nageh Nanotechnology Research Centre, The British University in Egypt <i>Investigation of <math>\pi</math>-stacked Conformations During Cationic Polymerization of Dibenzofulvene</i>
2:45: 3:00	Dr. Amira Hassan German University in Cairo, materials Engineering, New Cairo, Egypt <i>Water Filtration: Polymeric Nanofibers with Metal Nanoparticles for Sustainable and Effective Water Treatment</i>





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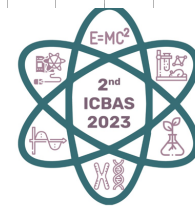
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Conference Schedule (2<sup>nd</sup> ICBAS-2023)

First day: 7-5-2023

1:00 :3.00	<b>Session 3</b>
Place	<b>Innovations in Immunology, physiology and embryology</b>
<b>CHAIRPERSON:</b>	<b>Royal Ballroom</b>
	<b>Prof. Mona El-Tonsy</b> <b>Pro. Karema Metwally</b>
1:00: 1:30	<b>Prof. Maha Ghazy</b> Dean of Faculty of Science (Girls), Al-Azhar University, Egypt <b>Monoclonal Multi-Specific Antibodies</b>
1:30: 2:00	<b>Assis. Prof. Hamid Al-Jamal</b> Faculty of Health Sciences, Univesiti Sultan Zainal Abidin, Malaysia <b>Thymoquinone enhances hypomethylation of SHP-1 and inhibits JAK/STAT signaling pathway in K562 chronic myeloid leukemia cells</b>
2:00: 2:30	<b>Prof. Ahkam El- Gendy</b> Faculty of Science (Girls), Al-Azhar University, Egypt <b>Evaluation of Biochemical Changes in Induced Diabetic Male Rats by Different Methods</b>
2:30: 3:00	<b>Dr. Arwa Osman</b> Faculty of Science (Girls), Al-Azhar University, Egypt <b>Impact of Adding Antioxidants and Semen Preparation on Semen Parameters after Cryopreservation</b>



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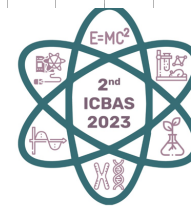
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Conference Schedule (2<sup>nd</sup> ICBAS-2023)

First day: 7-5-2023

5.00: 6:00	<b>Session 10</b> 2-D Nanosystems: Nonlinear Optics & Biomedical applications
Place:	Marquis 1
CHAIRPERSON:	<b>Prof. Dr. Hany H. El-Bahnasawy</b> <b>Dr. Ivkov Sergey</b>
5.00: 5.30	<b>Dr. Ivkov Sergey</b> Department of Solid-State Physics, Voronezh State University, Russia <i>Nonlinear properties of thin-film nanocomposites metal-dielectric <math>Co_x(MgF_2)_{100-x}</math></i>
5.30: 5:45	<b>Sara Mahmoud</b> Physics Department, Faculty of Science, Al-Azhar University, Egypt <i>Tuning structural, electrical, linear, and nonlinear optical properties of cadmium zinc telluride quantum dot thin films</i> (online)
5:45: 6.00	<b>Afnan Mohamed abd Elrahman</b> Faculty of Science, Al-Azhar University, Egypt <i>Comparison Study of portal dosimetry with PTW 2-D array system for IMRT for specific QA in Breast Cancer patients</i>



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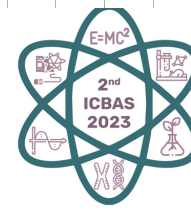
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Conference Schedule (2<sup>nd</sup> ICBAS-2023)

First day: 7-5-2023

5.00: 7.00	<b>Session 4</b> <b>Plant Biodiversity &amp; Climate Change</b>
Place:	Marquis 2
CHAIRPERSON:	<b>Prof. Amal Hassan,</b> <b>Prof. Azza Khafaga</b>
5.00: 5.30	<b>Assoc. Professor Muhammad Zafar</b> Deputy Director Botanical Garden in the Department of Plant, Quaid-i-Azam University, Pakistan <i>Sustainable use of Plant Biodiversity for food, health and energy security in Pakistan</i> (online)
5.30: 6.00	<b>Prof. Rawheya SalahelDin</b> Botany & Microbiology Department, Faculty of Science (Girls), Al-Azhar University, Egypt <i>Phytochemical Analyses and Antimicrobial Activities of Some Halophyte Plants Growing in Egypt</i>
6.00: 6.30	<b>Prof. Nageh Fathy Abo-Dahab</b> Applied Mycology, Faculty of Science (Assiut), Al-Azhar University, Egypt <i>Resveratrol biosynthesis optimization, induction, bio-transformation and bio-degradation in mycoendophyte</i> (online)
6.30: 7.00	<b>Prof. Gamal El Afandi</b> Tuskegee University, USA <i>Impacts of Potential Pesticide Drift Exposure on Urban-Agricultural Interface Communities</i>





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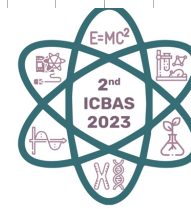
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Conference Schedule (2<sup>nd</sup> ICBAS-2023)

First day: 7-5-2023

5.00: 7.00	<b>Session 5</b> <b>Innovations in Medical applications</b>
<b>CHAIRPERSON:</b>	<b>Prof. Anke Klingner</b> <b>Prof. Rawheya SalahelDin</b>
5.00: 5.30	<b>Prof. Anke Klingner</b> Physics department, German University in Cairo, Egypt <i>Microrobots for medical applications</i>
5.30: 6.00	<b>Prof. Ibrahim El-Tantawy El-Sayed</b> Head of Chemistry Department, Menoufia University, Egypt <i>A Journey in Design, Synthesis and Development of Novel Anticancer and Antimalarial Agents</i>
6.00: 6.30	<b>Prof. Dr. Hans-Georg Breitingner</b> Department of Biochemistry, German University in Cairo, Egypt <i>Viroporins of SARS-CoV-2 - Channel function and the search for antiviral agents</i> (Online)
6.30: 7.45	<b>Assoc. Prof. Walaa Salama</b> Molecular biology Department, Hormones Department, NRC, Egypt <i>Naja haje L-amino acid oxidase: A selective cytotoxic enzyme against hepatocellular carcinoma</i>
6:45: 7:00	<b>Prof. Doaa Ghareeb</b> Biochemistry Department, Faculty of Science, Alexandria University, Egypt <i>Berberine loaded nanoparticles as promising therapeutic modalities for liver and lung cancer</i>



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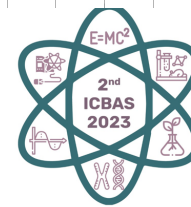
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Conference Schedule (2<sup>nd</sup> ICBAS-2023)

Second day: 8-5-2023

10.00: 12.00	<p><b>Session 6</b></p> <p><b>Innovations in Medical Entomology and Marine Biology</b></p>
Place	Marquis 1
CHAIRPERSON:	<p><b>Prof. Samia Abd El-wahab</b></p> <p><b>Prof. Nouran Abo Ouf</b></p>
10.00: 10.40	<p><b>Prof. Abdelbaset Zayed</b></p> <p>Faculty of Science (Girls), Al-Azhar University, Egypt</p> <p><b><i>Vector-Borne Diseases in Egypt, Challenge and threats</i></b></p>
10.40: 11.20	<p><b>Prof. Walaa A. Moselhy</b></p> <p>Vice Dean for postgraduate studies &amp; research, Faculty of Science (Girls), Al-Azhar University, Egypt</p> <p><b><i>Bugs as food and drugs</i></b></p>
11.20: 12.00	<p><b>Assoc. Prof. Amr Zenia</b></p> <p>Faculty of Science (Boys), Al-Azhar University, Egypt</p> <p><b><i>The morphological characterization of the abundant amphipods associated with Cystoseira crinita, Duby 1830: a case study from the Egyptian Red Sea coast</i></b></p>



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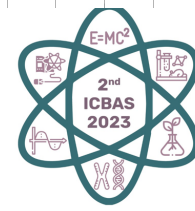
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Second day: 8-5-2023

10.00: 12.00	<b>Session 7</b> <b>Technology in Renewable Energy Storage</b>
Place	Marquis 2
CHAIRPERSON:	<b>Prof. Azza Radwan,</b> <b>Prof. Abeer Emam</b> <b>Prof. Eman Kandel</b> <b>Prof. Nashwa Mostafa</b>
10.00: 10.30	<b>Prof. Ahmed Mohamed Hashem</b> Inorganic Chemistry Department, NRC, Egypt <i>Role of nanotechnology in fabrication nanosized electrode materials for lithium-ion batteries</i>
10.30: 11.00	<b>Prof. Ehab N. El Sawy</b> Department of Chemistry, School of Science and Engineering, AUC, Egypt <i>Toward Sustainable and Safe Renewable Energy Storage</i>
11.00: 11.30	<b>Assoc. Dr. Hala Talaat Handal</b> Inorganic Chemistry Department, National Research Centre, Egypt <i>Advanced Generation of Energy Conversion and Storage Materials</i>
11.30: 11.45	<b>Prof. Ashraf El-Sayed Abdel-Ghany</b> Inorganic Chemistry Department, National Research Centre, Egypt <i>Effect of the surface modification of <math>Li_{1.2}Ni_{0.13}Co_{0.13}Mn_{0.54}O_2</math> as cathode material for lithium ion battery</i>
11.45: 12.00	<b>Dr. Asmaa Ramadan Heiba</b> Department of Chemistry, School of Science and Engineering, American University in Cairo, Egypt <i>Graphene Nanoribbons as a promising material for supercapacitor energy storage systems</i>





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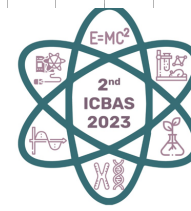
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Second day: 8-5-2023

10.00: 12.00	Session 8 Energy Harvesting in Nanosystems
Place:	Royal Ballroom
CHAIRPERSON	Prof. Dr. Taghreed Z. Amer Prof. Iman A. Mahdy
10:00- 10:30	Prof. Domashevskaya Evelina Pavlovna Department of Solid-State Physics and Nanostructure, Voronezh State University, Russia <i>Modern diagnostic of heterophase metal-dielectric nanocomposites and multilayer nanostructures</i> (online)
10:30-11:00	Prof. Dr. Hany H. El-Bahnasawy Physics Department, Faculty of Science, Al-Azhar University, Cairo, Egypt Mössbauer Spectroscopy and its Application
11:00- 11:30	Assoc. Prof. Aleksandr Lenshin Department of Solid-State Physics and Nanostructure, Voronezh State University, Russia <i>Features of the Composition and Photoluminescent Properties of Porous Silicon Depending on Its Porosity Index</i> (online)
11.30: 12.00	Prof. Iman Mahdy Physics Department, Faculty of Science, Al-Azhar University (Girls Branch), Cairo, Egypt <i>Innovation in Semiconductor Nanomaterials for Energy Harvesting and Data Storage Applications</i>



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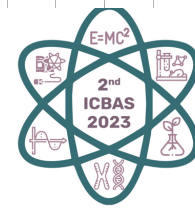
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Second day: 8-5-2023

10.00: 12.00	<b>Session 9</b> <b>Technology and machine learning in medical field</b>
Place	Online
<b>CHAIRPERSON:</b>	<b>Prof. Kamal Eldahshan</b>
10.00: 10.30	<b>Dr. Mehmet Aakif Çifçi</b> Tu Wien Universitätsrat, Turkey <i>Revolutionizing Healthcare through Artificial Intelligence: Opportunities and Challenges</i>
10.30: 11.00	<b>Assis. Prof. Sara Abdelghafar Ahmed</b> Computer Science School - Canadian International College (CIC) <i>Intelligent Health Monitoring Systems for Space Missions Based on Machine Learning Techniques</i>
11.00: 11.20	<b>Prof. Lamiaa M. El Bakrawy</b> Computer Science Department, Faculty of Science, Al-Azhar University, Egypt <i>An Enhanced Prediction of Expected Lifespan Following Thoracic Surgery</i>
11.20: 11.40	<b>Dr. Aya Fathy Salheen</b> Computer Science Department, Faculty of Science, Al-Azhar University, Egypt <i>A comparative study for diabetes and hypertension diagnosis using machine learning techniques</i>
11.40: 12.00	<b>Dr. Gaber E Abutaleb</b> Mathematics Department, Faculty of Science, Al-Azhar University, Egypt <i>Advances in Big Data Fraud Detection: A Comprehensive Literature Review</i>



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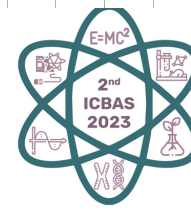
### Poster sessions

4.00: 5.00	Poster Session		
Place	Marquis 1	Marquis 2	Royal Ballroom

First day: 7-5-2023

4.00: 5.00	Innovation in Biology, Poster Session		
Place	Royal Ballroom		
4.00: 4.15	1004-ISCBAS	<b>Correlation of Serum Hepatitis C Viral Load and Immunobiochemical biomarkers in Combined Therapy Treated Patients</b> Zoology and Entomology Dept, Faculty of Science, Al-Azhar University (Girls), Cairo, Egypt <b>Dr. Fathia Ibrahim</b>	LCD 1
4.00: 4.15	1010-ISCBAS	<b>Comparison of CDC assay with WHO standard method for detecting susceptibility levels of filariasis vector, Culex pipiens to some larvicides in Egypt</b> Zoology and Entomology Dept, Faculty of Science, Al-Azhar University (Girls), Cairo, Egypt <b>Dr. Alaa Mohamed</b>	LCD 2
4.00: 4.15	1015-ISCBAS	<b>Investigation of some biological and morphological aspects, and lethal impact of novel pesticides on adults of house fly</b> Plant Protection Department, Faculty of Agriculture, Benha University, Benha, Egypt. <b>Dr. Marwa Khater</b>	Projector
4.15: 4.30	1030-ISCBAS	<b>Larvicidal activities of entomopathogenic nematode Steinernema carpocapsae and zinc oxide nanoparticles against the Black Cutworm, Agrotis ipsilon</b> Zoology and Entomology Dept, Faculty of Science, Al-Azhar University (Girls), Cairo, Egypt <b>Prof. Manal Elshaier</b>	LCD 1
4.15: 4.30	1033-ISCBAS	<b>The side effects of ten commercial pesticide formulations on, the green lacewing, Chrysoperla carnea (Stephens) (Neuroptera: Chrysopidae)</b> Zoology and Entomology Dept, Faculty of Science, Al-Azhar University (Girls), Cairo, Egypt <b>Dr. Shaimaa Hamed Mohammed</b>	LCD 2





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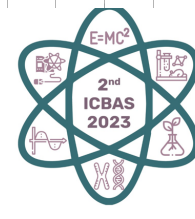


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4.15: 4.30	1048-ICBAS	<b>Biochemical and toxicological effects of certain bioinsecticides on The Egyptian cotton leafworm <i>Spodoptera littoralis</i></b> Zoology and Entomology Dept, Faculty of Science, Al-Azhar University (Girls), Cairo, Egypt <b>DR. Hend Helmy</b>	<b>Projector</b>
4.30: 4.45	1050-ICBAS	<b>Protective Effect of Nano-Moringa Oleifera leaves Extract and/or Low Doses of <math>\gamma</math>-Irradiation on Acute Pancreatitis Model Induced in Rats</b> Zoology and Entomology Dept, Faculty of Science, Al-Azhar University (Girls), Cairo, Egypt <b>Prof. Mona El- Tonsy</b>	<b>LCD 1</b>
4.30: 4.45	1054-ICBAS	<b>Isolation and identification of virulent bacteria from forensic flies as mechanical vectors associated with a rabbit carcass</b> Zoology and Entomology Dept, Faculty of Science, Al-Azhar University (Girls), Cairo, Egypt <b>Dr. Norhan Essam El deen</b>	<b>LCD 2</b>
4.30: 4.45	1069-ICBAS	<b>In vitro maturation and gametes cryopreservation for some economic animals</b> Zoology and Entomology Dept, Faculty of Science, Al-Azhar University (Girls), Cairo, Egypt <b>Faculty of Science, Zoology Department, Al-Azhar University</b> <b>Dr. Jihad Mohammed</b>	<b>Projector</b>
4.45: 5.00	1071-ICBAS	<b>Co-relationship Study between Follicular Fluid Oxidative Stress and the ICSI outcome</b> International Islamic center for research and population studies, Al-Azhar University, Cairo, Egypt <b>Dr. Marwa Neseem</b>	<b>LCD 1</b>
4.45: 5.00	1084-ICBAS	<b>The Impact of Asthma on Children</b> Pharmacology and Toxicology Department, College of Pharmacy, Taif University, Saudi Arabia <b>Dr. khadeejah Alsolami</b>	<b>LCD 2</b>



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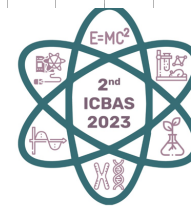
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### Poster sessions

4.00: 5.00	Poster Session		
Place	Marquis 1	Marquis 2	Royal Ballroom

First day: 7-5-2023

4.00: 5.00	Innovation in Chemistry, Poster Session		
Place	Marquis 1		
4.00: 4.15	1009-ISCBAS	<b>Valorization of Lemon Peel as low-cost adsorbent for the removal of Basic Fuchsine and Eosin dyes from aqueous solutions</b> Chemistry Department, Faculty of Science, Al-Azhar University (Girls), Cairo, Egypt <b>Dr. Nada Sayed</b>	Projector M1
4.15: 4.30	1021-ISCBAS	<b>Novel supported nanoparticles for synthesis zeolite-A@silica nanocomposite modification; remediation of anions from fertilizer wastewater</b> Higher institute of Engineering and technology, Menofia <b>Assoc. Prof. Safaa Fouda</b>	
4.30: 4.45	1079-ISCBAS	<b>Kinetic, isotherm and sorption characteristics of some dyes using lupine peel powder</b> Chemistry Department, Faculty of Science, Al-Azhar University (Girls), Cairo, Egypt <b>Dr. Nada Sayed</b>	
4.45: 5.00	1093-ISCBAS	<b>Optimization of Integrated Membrane System for Textile Industrial Wastewater Treatment</b> Chemistry Department, Faculty of Science, Al-Azhar University (Girls), Cairo, Egypt <b>Dr. Eman R. El-nagar</b>	



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The 2<sup>nd</sup> International conference on Basic and Applied Science (2<sup>nd</sup> ICBAS 2023)

Toward Innovations in Science & Technology

Conference Schedule (2<sup>nd</sup> ICBAS-2023)

### Poster sessions

4.00: 5.00	Poster Session		
Place	Marquis 1	Marquis 2	Royal Ballroom

First day: 7-5-2023

4.00: 5.00	Innovation in <b>Mathematics &amp; Computer Science</b> , Poster Session		
Place	Marquis 2		
4.00: 4.10	1055-ISCBAS	<b>Detect anomalies in surveillance videos: survey</b> Mathematics & Computer Science Department, Faculty of Science, Al-Azhar University (Girls) <b>Dr. Esraa Mahareek</b>	Projector M2
4.10: 4.20	1058-ISCBAS	<b>An Enhanced Giza Pyramids Construction for Solving Optimization Problems</b> Mathematics & Computer Science Department, Faculty of Science, Al-Azhar University (Girls) <b>Dr. Naglaa Moustafa</b>	
4.20: 4.30	1076-ISCBAS	<b>Using Immersive Virtual Reality as an Innovative Technology for Learning among Egyptian Children with Autism</b> Mathematics & amp, Computer science Department, Faculty of Science, Ain Shams University <b>Assoc. Prof. Hussein Hussein</b>	
4.30: 4.40	1078-ISCBAS	<b>Mobile Augmented Reality-based Multiplayer Application for Promoting Various Daily Living Skills in Egyptian Children with Autism</b> Mathematics & amp, Computer science Department, Faculty of Science, Ain Shams University <b>Assoc. Prof. Hussein Hussein</b>	
4.40: 4.50	1087-ISCBAS	<b>Offline Signature verification using deep learning method</b> Mathematics & amp, Computer science Department, Faculty of Science, Ain Shams University <b>Dr. Nehal Al-Banhawy</b>	
4.50: 5.00	1088-ISCBAS	<b>New Types of Permutation Graph</b> Mathematical Department, Faculty of Science, Al-Azhar University (Girls) <b>Dr. Mona Ahmed Khalil</b>	