



## Conference Schedule (IACBAS-2022)

### First day: 28-3-2022

8.00: 9.00	Registration			
9.00: 12.15	Opening session			
12.15 :1.00	Conference Photos & Coffee Break			
1:00 :3.30	Session 1 Solid state physics & Biomedical applications	Session 2 Nanostructures for Advanced Applications	Session 3 Biomedical Science & Informatics	Session 4 Pure Mathematics & its Applications
Place	Hall 3	Hall 2	Hall Al-Fostat	Hall 1
CHAIRPERSON:	Prof. Abd El-Fattah Abo Al Ela Prof. Afaf Abd El-Maqsood Prof. Alaeddin A. Bahgat Prof. Alia Adam	Prof. Karima Salem Prof. Nagwa Badawy Prof. Samia Abo Farha Prof. Tarek Salama	Prof. Maha Ghazy Prof. Sayed Bakry Prof. Hanaa Abd El-Fattah Prof. Muhammad Zafar	Prof. Gaber Shaarawi Prof. Refaat Mohamed Salem Prof. Lamiaa Sabry
1:00: 1:30	KN1: Prof. Dr. Domashevskaya E. P. Voronezh State University, Russia Effect of phase transformations of a metal component on the magnetic and transport properties of thin-films nanocomposites Cox (MgF2)100-x and (CoFeZr)x (MgF2)100	KN4: Prof. P K Kalita Rajiv Gandhi University, India Nano-Optoelectronics of II-VI Core/Shell Nanostructures	KN8: Prof. Dr. Hans-Georg Breiterger Department of Biochemistry, German University in Cairo Viroporins of SARS and SARS-CoV-2 – Structure, Function and Role in the Viral Life Cycle	KN12: Prof. Alberto Facchini University of Padua, Italy (Multiplicative lattices, groups, braces)



1:30: 2:00	<p>KN2: Prof. Alaeddin A. Bahgat Faculty of Science, Al-Azhar University, Egypt Energy Harvesting</p>	<p>KN5: Prof. Mohamed M Rashad, Dean of Advanced Materials Institute, Central Metallurgical Research and Development Center, Egypt Pathway towards low cost and stabler photovoltaic cells</p>	<p>KN9: Prof. Maha Ghazy Faculty of Science, Al-Azhar University, Egypt How viruses can trigger your immune response</p>	<p>KN13: Prof. Dr. Mohamed Asaad Faculty of Science, Cairo University On weakly <math>s_p</math>-permutable subgroups of finite groups</p>
2:00: 2:30	<p>KN3: Prof. Dmitry Goloshchapov Voronezh State University, Russia Estimation of molecular conjunction mechanisms of nanocrystalline calcium carbonate-substituted hydroxyapatite in biomimetic composites by means of vibration and X-ray absorption spectroscopy</p>	<p>KN6: Prof. Ibrahim M. El- Sherbiny Zewail City of Science and Technology An Overview of Smart Nanomaterials-Based Systems for Biomedical Applications</p>	<p>KN10: Prof. Abdelbaset Zayed Faculty of Science, Al-Azhar University, Egypt Surveillance and Insecticide Resistance Monitoring of Disease's Vectors to Update Vector Maps in Egypt</p>	<p>L8: Dr. Hader A. Elgendy Damiattia university, Egypt Identities and Representations for special comtrans algebras</p>



2:30: 2:45	<p>L1: Kirill Nikitkov Voronezh State University, Russia Study of the L-lysine and L-arginine polar amino acids influence on organization of nanocrystalline calcium carbonate-substituted hydroxyapatite in bio composites</p>	<p>KN7: Prof. Hassan Mohamed El-Said Azzazy AUC, Egypt Nanoformulation of Natural Products and/or Synthetic Drugs for Enhanced Therapeutic Efficacy</p>	<p>KN11: Prof. Amira Youssef Ahmed Assist. Prof. Clinical Pathology, Faculty of Medicine, Tanta University Covid 19 vaccination is it the solution???</p>	<p>L9: Dr. Sabah Abdelrahman Nasef Al-Azhar University, Egypt Extensions of weak PS-rings</p>
2:45: 3:00	<p>L2: Eman Nabhan El Kholy Al-Azhar University, Egypt Structural study of some lithium borophosphate glasses using density, hardness and infrared spectroscopy</p>	<p>L5: Mohamed Ahmed Abdel-Qader High Institute for Engineering &amp; Technology, Al-Obour, Egypt ZnO thin film on anodic Al<sub>2</sub>O<sub>3</sub> substrate for energy and photocatalysis Nanowire applications</p>	<p>L6: Prof. Manal E.A. Elshaier Al-Azhar University, Egypt Taxonomic revision of Egyptian Members of Wool Carder Bees (Hymenoptera: Megachilidae: Megachilinae: Anthidiini)</p>	<p>L10: Dr. Sherien Ahmed Zahran Obour High Institute for Management &amp; Informatics, Egypt Hydro- Meteorological Real Monitoring Network for Climate and Environmental security</p>
3:00: 3:15	<p>L3: Dr. Asmaa Mohammed Alkhodary British University in Cairo Synthesis and Characterization of Nanostructured IV-VI alloy for Mid-Infrared (MIR) and Memory Devices Application</p>	<p>L5: Mohamed Ahmed Abdel-Qader High Institute for Engineering &amp; Technology, Al-Obour, Egypt ZnO thin film on anodic Al<sub>2</sub>O<sub>3</sub> substrate for energy and photocatalysis Nanowire applications</p>	<p>L6: Prof. Manal E.A. Elshaier Al-Azhar University, Egypt Taxonomic revision of Egyptian Members of Wool Carder Bees (Hymenoptera: Megachilidae: Megachilinae: Anthidiini)</p>	<p>L11: Dr. Magdy A. Zeid Obour High Institute for Management &amp; Informatics, Egypt Enhancement of Prediction Model for Wisconsin Diagnosis Breast Cancer (WDBC) Dataset Using Machine Learning Techniques</p>



3:15: 3:30	L4: Prof. Abeer Saeed Abd El-Ghani Al-Azhar University, Egypt Hydrogen storage properties of $V_2O_5 \cdot nH_2O$ intercalated with pd ions		L7: Eman Shawky Mohammed Faculty of Science, Al-Azhar University, Egypt Impact of Oral Probiotics in Amelioration of Immunological and Inflammatory Responses on Experimentally-Induced Acute Diverticulitis in Rats	L12: Dr. Saeed E. Hemedat Obour High Institute for Management & Informatics, Egypt New Probability Distribution: Statistical Model and Application to Covid-19
3.30: 4.30	Lunch			

### Second day: 29-3-2022

9:00: 9.30	Registration		
9.30: 12.00	Session 5 Nanotechnology & Waste management	Session 6 Biotechnology	Session 7 Applied Mathematics & Computer Science
Place	Hall 2	Hall Al-Fostat	Hall 1
CHAIRPERSON:	Prof. Fatma Hafez Prof. Enas El-Sabbagh Prof. Rabie Saad Farag Prof. Eman Kandel	Prof. Amal Hassan Prof. Walaa Meselhy Prof. Zeinab El-Swaify Prof. Hans-Georg Breitingner	Prof. Khaled Mekheimer Prof. Ahmed Medhat Prof. Kamal Eldahshan



9:30: 10:00	KN14: Prof. Ahmed M. Youssef National Research Center, Egypt Nanotechnology for Sustainable Food Packaging Applications	KN18: Prof. Muhammad Zafar Quaid-i-Azam University, Islamabad - Pakistan Plant diversity leads to Herbal industries for food, medicines and Biomass Energy in Global Perspectives	KN21: Ass. Prof. Mohamed A. Mabrok Australian University, Kuwait Negative Imaginary Theory and its Applications
10:00 : 10:30	KN15: Prof. Frederik Ronsse Ghent University, Belgium Thermochemical conversion of marine waste biomass into for the production of renewable fuels and chemicals	KN19: Prof. Hosam G Abdelhady Sam Huston State University, USA Filming the Invisible: Applications of 4D Atomic Force Microscopy in Bio-nanomedicine	KN22: Prof. Mahmoud Abdel-Aty Faculty of Science, Sohag University Cybersecurity and Quantum Information
10:30 : 11:00	KN16: Prof. Stef Ghysels Ghent University, Belgium Thermochemical conversion of Biomass	KN20: Prof. Dr. Farouk K. El-Baz Plant Biochemistry Department, National Research Centre, Egypt Commercial applications and benefits of microalgae growing in Photobioreactor	KN23: Prof. Hisham Gamil Obour High Institute for Management & Informatics, Egypt Hybrid learning
11:00 : 11:15	KN17: Prof. Mohamed M Rashad Dean of Advanced Materials Institute, Central Metallurgical Research and Development Center, Egypt Waste recycling technology and raw materials to nanomaterials manufacturing	L15: Prof. Hanaa Mohamed Salem Faculty of Science, Al-Azhar University, Egypt Physiological and antimicrobial studies on some selected plants grown under stress conditions	KN24: Prof. Mohamed Galal Farghaly Dean, Faculty of Engineering Al-Azhar University Technology Transfer and Commercialization in The Egyptian Universities (Opportunities and Challenges)



11:15 : 11:30		L16: Prof. Ahmed Abdelfattah Elateeq Faculty of Agriculture, Al-Azhar University, Egypt Biomass and Bioactive Metabolites Production from in vitro Root Culture of Gypsophila paniculata L	
11:30 : 11:45	L13: Prof. Amr A EL Hanafy Professor at City of Scientific Research & Technological Applications, Genetic Engineering and Biotechnology Institute, Alexandria, Egypt Maximization and large-scale production of lignin-modifying enzymes for industrial applications	L17: Prof. Magdy mohamed hosny High Institute of Engineering & Technology, Al-Obour, Egypt The Potential Of Salvinia Molesta And Water Hyacinth Weeds In Generating Bio-Gas And Fertilizers In Lakes Kyoga And Albert, Uganda	L19: Dr. Osama Mohammed Hassaan Obour High Institute for Management & Informatics, Egypt Numerical Analysis of Stratified Reinforced Concrete Slab
11:45 : 12:00	L14: Mohamed Ahmed Abdel-Qader High Institute for Engineering & Technology, Al-Obour, Egypt Influence of Fly Ash as an additive to improve concrete properties made of cement and cement kiln dust	L18: Prof. Walaa Mohammed Ibrahim Adas Desert Research center, Egypt Silicon and titanium nanoparticles affect the in vitro preservation of the vulnerable argan tree	L20: Dr. Souhad Salama Almassri Ain Shams University, Egypt NOVEL COUPLED COINCIDENCE POINT THEOREMS FOR COMPOSED OPERATORS ON $1E\&minus$ ; COMPLETE MULTIPLICATIVE PARTIAL CONE METRIC SPACES
12.00: 12.30	Coffee Break		
12.30: 3.15	Session 8 Laser & its applications	Session 9 Taxonomy & Marine Ecology	Session 10 Pure Mathematics & its Application



Place	Hall 2	Hall Al-Fostat	Hall 1
CHAIRPERSON:	Prof. Abdelwahab A. El-Sharkawy Prof. Kamilia Sedeek Prof. Jihan Kamal Prof. Hany El- Bahnasy	Prof. Mona El-Tonsy Prof. Nageh Fathy Abo-Dahab Prof. Alaa G. M. Osman Prof. Rawhya Abd El-latif	Prof. Ahmed El-Kholy Prof. Somia El-Zahaby Prof. Abdelrhman Hassanein
12:30 : 1:00	KN25: Prof. Lotfia El Nadi Laser Lab. Cairo University Preparation of silver nanoparticles using pulsed laser ablation method	KN28: Prof. Cai Feng Third Institute of Oceanography, Ministry of Natural Resources, China Beach resources and their protection and restoration practices in China	KN31: Prof. Mohammad Ashraf Aligarh Muslim University, India ON DERIVATIONS OF RINGS AND ALGEBRAS
1:00 : 1:30	KN26: Prof. Sultana N. Nahar Ohio State Universty, USA KNOWING THE UNIVERSE THROUGH ATOMS	KN29: Prof. Changan Xu Third Institute of Oceanography, Ministry of Natural Resources, Screening and exploiting of bioactive compound from microorganisms living in marine extreme environment	KN32: Prof. SHAKIR ALI Aligarh Muslim University, India Jordan Mappings in rings with involution
1:30 : 2:00	KN27: Prof. Ahmed Asaad I. Khalil Chairman of Laser Sciences and Interactions Department, National Institute of Laser Enhanced Sciences, Cairo University, Multi Pulses Laser Induced Plasma Spectroscopy for Environmental Protection	KN30: Prof. Muhammad Zafar Quaid-i-Azam University, Islamabad - Pakistan Morpho-anatomical Characterization of Selected Species of subfamily Cactoideae (Cactaceae)	KN33: Prof. Nadeem ur Rehman Aligarh Muslim University, India Additive mappings in prime and semiprime rings



2:00 : 2:15	L21: Prof. Mohamed Abdelhady El-Adawi Faculty of Education, Ain Shams University Comparative Study of Monochromatic Spectral Response of an Amorphous Photovoltaic Silicon Solar Cell Illuminated by Global and by Diffuse Solar Radiation.	L25: Dr. Osama Gamal Basyouny Faculty of Science, Al-Azhar University (Boys), Cairo, Egypt Micromorphological Characters of the Leaf Epidermis for Identification of Solanoideae (Solanaceae)	L28: Dr. Samira Altmemy Ahmed Al-Azhar University, Egypt Linear Elliptic Control Problems of Infinite Order with Pointwise State
2:15 : 2:30	L22: Prof. Ahmed Mostafa Elsheekh High Institute for Engineering & Technology, Al-Obour, Egypt Entropy Inside the Atoms	L26: Dr. Doaa Elkholy Al-Azhar University, Egypt Characterization of pollen grains and seeds for some taxa of Mimosoideae and Caesalpinoideae in Egypt	L29: Dr. Doaa Wagdy Trabay Obour High Institute for Management & Informatics, Egypt A Proposed Assistant Intelligent Robot in Quarantine Hospitals
2:30: 2:45	L23: Mohamed Abd El-hady El-Adawi Faculty of Education, Ain Shams University Theoretical and Experimental Determination of The Series Resistance of An Illuminated Photovoltaic Silicon Solar Cell (Philips- type)		
2:45 : 3:00	L24: Prof. Ahmed Mostafa Elsheekh High Institute for Engineering & Technology, Al-Obour, Egypt Theoretical Spinel Ferrite	L27: Dr. Osama Gamal Basyouny Faculty of Science, Al-Azhar University (Boys), Cairo, Egypt The significance of morphological and anatomical investigation of leaves and stems for the identification of Zygothylaceae	L30: Dr. Doaa Aboshady Faculty of Science, Tanta University, Egypt. A Semantic Methodology for Detecting Malware in Mobile Application
3.00: 4.00	Poster session		
4.00: 5.00	Lunch		



### Third day: 30-3-2022

9:00: 9.30	Registration			
9:30 : 11:30	Session 11 Environmental Sustainability	Session 12 Nuclear & its Applications	Session 13 Microbiology	Session 14 Computer Science & Management Science
	Hall 3	Hall 2	Hall Al-Fostat	Hall 1
CHAIRPERSON:	Prof. Rabab Abo Shahba Prof. Gehan Meko Prof. Mohamed M Rashad	Prof. Ayda Abd El-Kareem Prof. Salwa El-Menyawy Prof. Esmat Mahmoud Prof. Heba Allah Saudi	Prof. Nagwa Sidkey Prof. Karima Elwerdany Prof. Farouk K. El-Baz Prof. Wedad .....	Prof. Afaf Abul-Fotouh Saleh Prof. Khaled A. Bahnasy Prof. Samia El-Araishy
9:30 : 10:00	L31: Dr. khaled Fawzy High Institute for Engineering & Technology, Al-Obour, Egypt Sustainability of Recycled Aggregate Concrete Beams by using Steel Fiber	KN34: Prof. Georgy Tikhomirov Deputy Director Institute Nuclear Physics and Engineering, National	L41: Prof. Monira Omar Zahran Faculty of Science, Al-Azhar University, Egypt Study on Thermoacidophilic	L47: Dr. Saied Hassan Ibrahim Obour High Institute for Management & Informatics, Egypt AN OVERVIEW OF THE NEW TREND OF FPGA APPLICATIONS: Open HW



	<p>L32: Mohamed Ahmed Abdel-Qader High Institute for Engineering &amp; Technology, Al-Obour, Egypt Elaboration and characterization of lithium doped hematite as humidity and NOX ceramic sensor for environmental monitoring</p>	<p>Research Nuclear University, Russia National Research Nuclear University MEPhI and International cooperation in Nuclear Power Engineering</p>	<p>Filamentous fungi as one of polyextremophiles</p>	<p>L48: Dr. Mohamed Mahmoud Badawy Obour High Institute for Management &amp; Informatics, Egypt Ductility Enhancement of Steel Beam-Column Joint Strengthened by GFRP Under Cyclic Loading</p>
10:00: 10:15	<p>L33: Dina Ezzat Mahmoud High Institute for Engineering &amp; Technology, Al-Obour, Egypt Uv-Vis Studies and x-ray Analysis by Williamson-Hall method for ZnO-NPs Blended Cellulose Acetate Film</p>	<p>KN14: Prof. Guillermo Hinojosa, National Autonomous University of Mexico, Mexico</p>	<p>L42: Prof. Asmaa Mohamed Elhosainy Faculty of Science, Al-Azhar University, Egypt Filamentous fungi as polyextremophiles 1- Identification and some characters of Haloalkaliphilic fungi</p>	<p>L49: Dr. Esraa Mostafa AbdAllah Al-Azhar University, Egypt An Intelligent Integration for Medical Information Retrieve</p>
10:15: 10:30	<p>L34: Prof. Enas Attia Al-Azhar University, Egypt Temperature effect on corrosion inhibition of tin in 1M HCl in presence of two expired sulfa drugs; Septazole and Seprtrin syrups (weight loss study)</p>	<p>Photoionization of ions: experiments in the Advanced Light Source at Lawrence Berkeley</p>		<p>L50: Dr. Magdy A. Zeid Obour High Institute for Management &amp; Informatics, Egypt Multi-Classification of Brain Tumor MRI Images Using Deep CNN</p>



10:30: 10:45	L35: Dr. Ghalia Asaad Gaber Al-Azhar University, Egypt Corrosion Studies on Commercial Nickel Aluminum Bronze in a Marine Environment with the Implantation of Silicon	L39: Prof. Heba Allah Saudi Al-Azhar University, Egypt Evaluation of HPGe Detector Long Term Performance for Environmental Radioactivity Measurements	L43: Prof. Sabha Selmy Salman Faculty of Science, Al-Azhar University, Egypt Production of benzyl isothiocyanate from Moringa peregrina (Forssk.) Fiori via suspension culture	L51: Dr. Ayman Ahmed Obour High Institute for Management & Informatics, Egypt Modeling the Impact of Global Climate Change on Food Security and Agriculture Using an Artificial Intelligence
10:45: 11:00	L36: Seham Shahin Al-Azhar University, Egypt Inhibition of carbon steel corrosion in sulfuric acid solution by Polyethylene Glycol Phthalate		L44: Prof. Shadia Mostafa Sabry Faculty of Science, Al- Azhar University, Egypt Tolerance of Some Fungi to Heavy Metals	L52: Dr. Osama A. Monem Obour High Institute for Management & Informatics, Egypt Improved specific power consumption and power quality indices for Hydrogen electrolysis
11:00: 11:15	L37: Dr. Eman Fares Faculty of Science, Al-Azhar University, Egypt Treatment of the pathogenic water by using different metal- peptide chelates with studying their antioxidant effect	L40: Dr. Amr Ibrahim High Institute for Engineering & Technology, Al-Obour, Egypt Analysis of Thorium Performance in Lead cooled Fast Reactor	L45: Prof. Inas Mohammed Abou Elenain Faculty of Science, Al- Azhar University, Egypt Antibacterial and antifungal metabolite prospecting from actinobacteria isolated from nonagricultural soil from New Cairo, Egypt	L53: Dr. Saied Hassan Ibrahim Obour High Institute for Management & Informatics, Egypt A COMPLETE GUIDE FOR FPGA- BASED COMPUTER-AIDED DESIGN METHODOLOGY



11:15: 11:30	L38: Noha Abdel-Fattah Hamed Faculty of Science, Al-Azhar University, Egypt Enhancing the performance of carpet fibre using nano materials		L46: Prof. Nermine Nasr Eldin Abed Faculty of Science, Al- Azhar University, Egypt Neonatal Sepsis; The Bacterial Causes in Sohag Governorate and study in vitro antimicrobial activity of Spirulina platensis extract	L54: Dr. Ahmed Abdalla Farag Obour High Institute for Management & Informatics, Egypt Evaluation of Anchored Shoring System Using Finite Element Analysis
11:30: 12:00	Coffee Break			
12.00: 1.30	Concluding Plenary session & Closing Ceremony			