



Under the Auspices of

Prof. Mohamed Ayman Ashour
 Minister of Higher Education
 and Scientific Research

Prof. Nasser Elgizawy
 President of Benha University

Prof. Gehan Abdelhady Mousa
 Vice President of Benha University
 for Postgraduate Studies and Research
 Conference Chairman

Prof. Hesham Rashid
 Vice Dean of post graduate studies and research affair
 Faculty of Medicine
 Conference Rapporteur



4th ANNUAL STUDENT CONFERENCE ON APPLIED SCIENCES **APPLIED SCIENCE**

Innovative Research for a Sustainable Future



4thANNUAL CONFERENCE OF POSTGRADUATE STUDIES APPLIED SCIENCES

"Innovative Research for a Sustainable Future"

Day One 7th May 2025

Time	Event
9:00-10:00	Registration
10:00-10:30	Welcome & Opening Ceremony Hall (A) Grand Ballroom, 2nd floor Prof. Hesham Rashid Conference Coordinator Prof. Gehan A. Mousa Vice-President of Benha University Prof. Nasser El-Gizawy President of Benha University
	Plenary Session Hall (A) Grand Ballroom, 2nd floor
	Chairman: Prof. Nasser El-Gizawy Prof. Gehan A. Mousa
1 10:30-10:55	Prof. Amr Al-Hajj Chairman of the Atomic Energy Authority "The Role of Nuclear Energy in Advancing Applied Research"
2 10:55-11:20	Prof. Nevine Makram Labib Vice President of the Egyptian Society for Information Systems and Computer Technology AI "Artificial Intelligence and Its Role in Sustainable Development"
3 11:20-11:45	Prof. Qifa Zhang Professor at Huazhong Agricultural University, Wuhan, China. Academician of the China Academy of Sciences "Developing Green Nutritious Super Rice for A Healthy Anthropocene"
4 11:45-12:10	Prof. Hesham Ramzy Tantawy Professor at Chemical Engineering Department (MTC), Egypt Electromagnetic Shielding Materials -" State of the Art"
12:10-12:30	Discussion
12:30-12:45	Honoring Keynote speaker
12:45	Break

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Second Session: Topics of Health & Clinical Science I (Medicine)

1. Anaesthesia, Cardiovascular Medicine, Forensic Medicine, General Surgery, Obstetrics and Gynecology: **Hall (B) English Language Department, Faculty of Commerce, 3rd floor**

Chairman:

Prof. Mohamed Gamal El-Din El - Ashhab

Prof. Nermin Adely Mahmoud

Prof. Ahmed Mostafa Abd El-Hamid

Prof. Mostafa Soliman Abdelfattah El-Kady

Prof. Yosery El- Saeed Rizk

1	13:00-13:10	Covid -19 Associated Ischemic and Haemorrhagic Stroke Amira A. EL-Sebaey, Ahmed Abd-Elrahman, Ehab Affi and Fatma A. AbdelFattah
2	13:10-13:20	Short Term Outcome in Patients Presenting with Acute Coronary Syndrome with Left Main Coronary Artery Disease S. M. Zeidan, K. E. E. El-Rabaat, S.I. Farag and H.I. Allam
3	13:20-13:30	Left Ventricle Stroke Volume and Pulmonary Artery Systolic Pressure as Predictors of Adverse Events in Patients with Pulmonary Embolism E. El Agamy, T. Helmy, M. Akl and B. Mohamed
4	13:30-13:40	Carbon Monoxide induced toxicity: A literature Review of The Challenges in Early Diagnosis of Cardiotoxicity and Neurotoxicity A.A. Marie, I.A. Mostafa, Asmaa Y.A. Hussein and O.G. Haga
5	13:40-13:50	Comparative Study between Outcome of Laparoscopic Inguinal Hernia Repair (TAPP) Versus Novel Open 3 Cones Mesh Plug Hernioplasty (Saleh Technique) Sandy A. Taha, Mohamed E. Zayed, Gamal Saleh and Haytham S. Affy
6	13:50-14:00	Anti-Mullerian Hormone (AMH) Variability in Cases of Polycystic Ovary Syndrome (PCOS) Phenotypes Asmaa Ghanv Khalil, Amr Sharaf El-Din, Mohammed Abdel Salam, Labiba El Sayed
14:00-14:10		Discussion

Third Session: Topics of Health & Clinical Science I (Medicine)

2. Dermatology, Venereology and Andrology

Hall (B) English Language Department, Faculty of Commerce, 3rd floor

Chairman:

Prof. Rasha Shaker El-Desouky

Prof. Hanan Hassan Sabery

Prof. Mahmoud Abd El-Sabour Mahmoud

Prof. Eman Moustafa Sanad

7	14:10-14:20	Immunohistochemical Markers of Melanocyte Content in Vitiligo Skin Ava KH. Elsaied Khamis, Essam M. Akl, Shymaa M. Rezk and Asmaa G. Abdou
8	14:20-14:30	Acne Vulgaris: Pathogenesis, Clinical Manifestations and Therapeutic Lines Esraa M. Zahran, Adel A. Ibrahim, Lina A. Mohammed, Samah E. Ibrahim

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9	14:30-14:40	The Role of MicroRNA-21 in Psoriasis Vulgaris Yosif A. Musa , Ahmed A. Saleh, Aliaa E. Daifalla, Karem T. Khalil and Seham G. Ameen
10	14:40-14:50	Use of Dermal Threads in Treatment of Acne Scars Ahmed Y. Kadhim , Shymaa M. Rezk, Amany I. Mustafa
11	14:50-15:00	Uses of Chemical Peeling in Acne Scars Ava Allah M. R. Hykal , Shimaa M. Rizk and Nader N. Nazmy
12	15:00-15:10	Microneedling in Acne Scars Asmaa A. Elsaved Abdo , Shimaa M. Mostafa Rezk and Nader N. Nazmy
13	15:10-15:20	The Link between Acne Vulgaris and Metabolic Syndrome Noorhan W. Kadhim , Nancy W. Mikhael, Aliaa El -Husseiny Daifalla, Seham G. Ameen
14	15:20-15:30	Melasma: Pathophysiology, Clinical Picture and Treatment Lines Overview Mohammad bag Khaleel Abbo , Hanan H. Sabry and Samah E. Ibrahim
15	15:30-15:40	Advances in the Treatment of Acne Vulgaris: A Comprehensive Review of Current and Emerging Therapies Saba H. Sharif , Hanan H. Sabry and Samah E. Ibrahim
16	15:40-15:50	Metabolic Syndrome and Psoriasis Alaa H. Oudah , Hanan H. Sabry, Aliaa E. Mohammed and Seham G. Ameen
17	15:50-16:00	Assessment of Serum Heat Shock Protein 70 (HSP70) in Patients with Alopecia Marwa G. Abd El-Sattar , Ahmed M. Hamed, Ghada M. Abd El-Khalek, Amira O. Abd El-Ghafar and Radwa M. Ahmed
16:00-16:10		Discussion
Fourth Session: Topics of Health & Clinical Science I (Medicine)		
3. Pediatric and Clinical and Chemical Pathology		
Hall (B) English Language Department, Faculty of Commerce, 3rd floor		
Chairman: Prof. Abdel Rehim Saad Sholah Prof. Ebrahim Mohamed Regeh Prof. Awad Ali Mohamed Elabd Prof. Azza Ahmed I. Abou Senna Prof. Ghada Abd El-Motaleb Saad		
18	16:10-16:20	Speckle Tracking Echocardiography for Early Detection of Myocardial Damage in Children with Glycogen Storage Diseases Rana M. Ibrahim , Eman G. Abdelrahman, Ola G. Ali, Ali G. Ali and Safaa S. Imam
19	16:20-16:30	Cardiac Troponin T and Outcomes in Asphyxiated Neonates Mohamed A. AbdelHafiz , Eman G. Abdelrahman, Eman R. Abd Almonaem and Dina S. Abdelmotaleb
20	16:30-16:40	Screening of Von Willebrand Disease Among Children with Severe or Recurrent Attacks of Epistaxis Eman H. Ahmed , Ghada S. Abdelmotaleb, Ahmad A. Elhamshary, Amira M. Abdelrahman and Aliaa M. Diab

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21	16:40-16:50	Overview of hemophilia A in pediatrics <u>Sherif S. Ahmed Abd El-Maged</u> , Samar M. Elbaky, Elham A. Nawar and Rania E. Abd-Elaty
22	16:50-17:00	Evaluation of Serum Ionized Calcium as a Prognostic Marker for Neonatal Sepsis <u>H.F. Farid</u> , A.M. Shaheen, N. F. Mohamed and S. M. Fayed
23	17:00-17:10	Study the Correlation Between Genetic Expression of Interleukin-37 and Disease Activity Indices in Patients of Rheumatoid Arthritis in A Group of Egyptian Population <u>Marwa S. Abd ALLAH Emara</u> , Eman R. Abd El Gwaad, Walid A. Abd El Halim and Mayada E. Yousef Khalil
17:10-17:20		Discussion
Fifth Session: Topics of Health & Clinical Science II (Nursing)		
1. Obstetrics and Gynecology; Medical Surgical Nursing; Mental Health and Community Health Nursing; Administration Hall (C) English Language Department, Faculty of Commerce, 3rd floor		
Chairman: Prof. Hend Abdallah El-Said Prof. Ebtesam Mohamed Abdalla Prof. Amal Said Taha Prof. Fawzaih Farouk Kamel		
1	13:00-13:10	Effect of Jigsaw Learning Method on Theoretical and Practical Achievement of Technical Nursing Institute Students regarding the Second Stage of Labour <u>Heba S. Mazen</u> , Amel A. Omran, Elham A. Ramadan and Fatma K. Ali
2	13:10-13:20	Effect of Supportive Instructional Guidelines on Quality of Life among Women with Chronic Pelvic Pain <u>Marwa I. Desoky</u> , Soaad A. Ramadan, Eman M. Abd Elhakam and Ola A. Afifi
3	13:20-13:30	Effect of Nursing Instructions on Knowledge and Therapeutic Adherence among Leukemic Patients Undergoing Bone Marrow Transplantation <u>Gailan A. Khalil</u> , Manal H. Mahmood, Nehal M. Abo Elfadl and Safaa M. Hammed
4	13:30-13:40	Mothers' Care for their Children with Cataract <u>Nabila S. Abd-Elmonem</u> , Hanaa Abd El-Gawad Abd El-Megeed and Doaa M. Sobhy Elsayed
5	13:40-13:50	Nutritional Lifestyle Modification Program for patients with Multiple Sclerosis <u>Safa Ragab</u> , Ebtisam Abd-ElAal, Doaa Sobhy Elsayed and, Wafaa Mohammed
6	13:50-14:00	Effect of Educational Program on Head Nurses Meaningful Recognition knowledge and Practice <u>Eman A. Elsayed</u> , Safaa M. El-Demardash and Rehab M. Rashad Ebrahim
7	14:00-14:10	Effect of Jigsaw learning Method on Theoretical Achievement of Technical Nursing Institute Students regarding the Second Stage of Labour <u>Heba S. Mazen</u> , Amel A. Omran, Elham A. Ramadan and Fatma K. Ali
14:10-14:20		Discussion

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Sixth Session: Topics of Basic Science

Hall (D) English Language Department, Faculty of Commerce, 3rd floor

1. Speakers:

13.00:13.20	Prof. Fatma Aly Ahmed Aly Ex- Chairman of Ecology and Dry Lands Agriculture, Division, Desert Research Center (DRC), Egypt. Utilization of Some Succulent Plants to Overcome the Food Gap in Arid Regions.
13.20:13.40	Prof. Ehab El-Dabaa Mohamed Sabry Head of Biochemistry and Molecular Biology Department and Head of Centre of Excellence in Recombinant Biopharmaceutical Proteins, Theodor Bilharz Research Institute, Egypt. Center of Excellence in Recombinant Biopharmaceutical Proteins; Biotechnology R&D For Drug Discovery and Development.
13.40:14.00	Prof. Alaa Elsayed Ahmed Amina Professor at Chemistry Department, Faculty of Science, Benha University, Benha, Egypt. Research Success Stories
2.Botany; Microbiology and Entomology	
Chairman: Prof. Zheng, Shixue Prof. Nehad El-Barkey Prof. Mohamed Othman Abdel-Moneam Prof. Mervat Gameel Hassan	
1	14.00:14.10 Innate Immune Response to <i>Vibrio cholerae</i> β -Barrel Pore-Forming Hemolysin: Unraveling Cytotoxic, Oxidative, and Inflammatory Pathways Ahmad Fady, Alaa Elmetwalli, Mohamed O. Abdel Monem, Mervat G. Hassan
2	14.20:14.30 Cytotoxicity and Antioxidant Potential of Vanillin from Coffee Peel Extract and Sorafenib in human MDAMB-231 Breast Cancer cells: A Potential Therapeutic Strategy Shimaa Sobhy, Mervat G. Hassan, Mohamed O. Abdel-Monem, Mahmoud S. A. Shahin, Jihan Hassan and Alaa Elmetwalli
3	14.30:14.40 Study Incidence of Different Bacterial Pathogens and Antimicrobial Susceptibility in Infective Endocarditis Patients and Related Complications Sarah El Saved, Nora M. Nassar, Tarek A. Abdel Fattah and Sabah Abo El maaty
4	14.40:14.50 Optimization of Laccase Production and Purification from (<i>Penicillium chrysogenum</i>) Asmaa A. Badawy, Redwan Khalil, Mervat G. Hassan, and Hamed M. El-Shora
5	14.50:15.00 Production and Purification of Phytase from <i>Staphylococcus sciuri</i> Elkholy, Hager Alaa aldein, Hassan, Mervat Gameel, Attia, Attia A. and El-Shora and Hamad
6	15.00:15.10 Screening and Characterization of Potential Probiotic Lactic Acid Bacteria Isolated from Traditional Dairy Products. Mohamed Elghoul, Hanady Nada, Mohamed Abdel-Monem and Ghada Dawwam
7	15.10:15.20 Antimicrobial Activity of Cichorium Intybus Leaves Extracts

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		Hoda. El-badawy , Mervat G. Hassan, Dina Baraka, Hamed M. Elshora, Gharieb S. El-Sayad	
8	15.20:15.30	Silica Nanoparticles Biosynthesis from <i>Saccharomyces</i> sp. with Antimicrobial Activity Doaa Abdelhady , Mervat G. Hassan, Ahmed A. Hamed, M. O. Abdel-Monem and Mahmoud S. A. Shahin	
9	15.30:15.40	Antimicrobial activity of <i>Portulaca Oleracea</i> Leaves Extracts Hoda. F. Elbadawy , Mervat G. Hassan, Dina. M. Baraka, Hamed M. Elshora, Gharieb S. El-Sayyad	
10	15.40:15.50	Screening and Characterization of Potential Probiotic Lactic Acid Bacteria Isolated from Traditional Dairy Products. Mohamed A. Elghoul , Hanady G. Nada, Mohamed O. Abdel-Monem and Ghada E. Dawwam	
11	15.50:16.00	Silver Nanoparticles Synthesized by Bacteria and Their Antimicrobial Activity Mavar Atef , Mervat G. Hassan, Ahmed A. Hamed, M. O. Abdel-Monem and Mahmoud S. A. Shahin	
12	16.00:16.10	Diversity, Relative Abundance and Preference of Blowflies to Different Food Substrates in Qalyubiya Governorate, Egypt. Ava S. Omara , Mohamed M. Baz, Abba D. Abdelmaged, Ghada E. Dawwam, Abelwahab A. Ibrahim, Yasser A. El-Sayed	
13	16.10:16.20	Nanocomposite Zinc-oxide-silica-: A Sustainable Route to Antimicrobial and Anticancer Application Hanaa S. Farouk , Alaa Elmetwalli, Gharieb S. El-Sayyad, Mohamed O. Abdel Monem, Jihan Hassan, Mahmoud S. A. Shahin, Mervat G. Hassan	
16.20:16.30		Discussion	
Seventh Session: Topics of Basic Science			
3. Physics; Geology; Chemistry			
Hall (E) English Language Department, Faculty of Commerce, 3rd floor			
Chairman: Prof. Mohamed Ahmed Heikal Prof. Aly Abdel-Maboud Aly Prof. Mohamed Aly Atya Prof. Gamal Mohamed El-Qot			
14	14.00:14.10	Linear Analysis of Ion Acoustic Waves Through Interaction of Solar Wind with Magnetosphere's Earth Atef Bassyouni , W. M. Moslem, M. A. Hassouba, and M. S. Afify	
15	14.10:14.20	Assessment of Trial to Use Exosomes and Salmon DNA with Minoxidil as Multisource Mixture for Hair Follicle Activation an <i>in Vivo</i> Study Ahmed M. Abdelaziz , Mariam I. El-Gohary, Sara A. El-Akkad, Rahma H. Hagagy, Donia Alaa, Malak A. Ahmed, Ali Saadani	
16	14.20:14.30	Contribution to the tectonic setting of the Northern Galala Plateau, Gulf of Suez, Egypt Mahran, M. Mohamed Ibrahim , Hagag, W. Dardir, Gamal M. El Qot, Osman, Refaat Abdelkarim, Mahmoud K. Alawy, and Zakaria E. Hamimi	

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17	14.30:14.40	Palaeoenvironments and Palaeobiogeographical Distribution of the Eocene Larger Benthic Foraminifera and Macrofaunal Associations in the Northern Plateau of the Bahariya Depression, Western Desert, Egypt Nada A. Ayoub, Sayed M. Ahmed, Rifaat A. Osman, Mervat S. Hassan, Emad S. Sallam
18	14.40:14.50	Mountain of the Dead: A Remarkable Geoheritage Site for Sustainable Socio-Economic Development in Siwa Oasis, Egypt Nada A. Ayoub, Emad S. Sallam
19	14.50:15.00	Preparation, Characterization, and Applications of Nano Manganese Oxide via Combustion Synthesis for Water Treatment Mai M. Gneidy, Ayman Ali Abdelrazic and Amin, Alaa EL-Sayed
15.00:15.10		Discussion
Eighth Session: Topics of Agricultural Sciences and Veterinary Medicine		
1. Speakers:		
Hall (A) Grand Ballroom, 2nd floor		
13:00-13:20		Prof. Ashraf Mohamed Abdelsamea Goda Professor at Fish Nutrition National Institute of Oceanography and Fisheries (NIOF) Integrated Multi-Trophic Aquaculture (IMTA)-Aquaponics System Based on Internet of Things (IOT).
13:20-13:40		Prof. Mohamed Ahmed Ibrahim Ahmed Professor of Pesticides, Plant Protection Department, Faculty of Agriculture, and Director of the Pest Control Unit, Assiut University, Egypt. The Agricultural Sector as a Strategic Tool for Achieving Sustainable Development Goals.
13:40-14:00		Prof. Mohamed Frahat FODA Distinguished Professor-College of Life Science and Technology Huazhong Agricultural University, Wuhan, China. Nano-Driven Agriculture: How China and Egypt are Reshaping Africa's Farming Future.
14:00-14:10		Prof. Abdelfattah Monged Abdelfattah Vice Dean for Postgraduate & Research, Faculty of Veterinary Medicine, Benha University, Egypt. Milestones and Mindsets: My Road to Success
14:10-14:20		Prof. Mohamed Shaban M. Hassaan Head of Animal Production Department, Faculty of Agriculture, Benha University, Egypt. Research Success Stories
2. Horticulture and Plant Protection:		
Hall (A) Grand Ballroom, 2nd floor		
Chairman: Prof. Mahmoud E.M. El-Badawy Prof. Fouad Mohamed Abd El-latif Prof. Abdou Mahdy Mohamed Prof. Gad Hamada Hassan Prof. Hanem Fathy Khater		

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1	14:20-14:30	Effect of Phosphorus Fertilization and Foliar Spraying with Some Growth Stimulants on Vegetative Growth, and Nutritional Status of Potato Plant Gad-Allah, Y. A., M. H. Mohamed A. A. Abd Elteif and A. S. Shams
2	14:30-14:45	2.1. Influence of Different Growing Media on Growth and Chemical Compositions of Schefflera (<i>Schefflera arboricola</i> L.) Plant Amani, N.M. Gorgui, Y.A.A. Ghatas, Y.F.Y. Mohamed, Hanan M.A. Youssef and Safaa M. Mohamed 2.2. Response of Schefflera (<i>Schefflera arboricola</i> L.) Plant to Different Water Regimes Treatments Amani, N.M. Gorgui, Y.A.A. Ghatas, Y.F.Y. Mohamed, Hanan M.A. Youssef and Safaa M. Mohamed
3	14:45-15:00	3.1. Effect of Spraying GA3 with Different Concentrations on Productivity and Some Fruit Physical Properties of Barhee Date Palm Fruits Ahmed M. El-Masry, Hamed E. El-Badawy and Sherif Fathy El-Gioushy 3.2. The Impact of Spraying GA3 with Various Concentrations on Fruit Chemical Characteristics of Barhee Dates Palm Fruits, Under Conditions of Humid or Semi-Dry Areas Ahmed M. El-Masry, Hamed E. El-Badawy and Sherif Fathy El-Gioushy
4	15:00-15:10	Effect of Soil Type and IBA Concentrations on some vegetative growth Traits of <i>Phoenix Dactylifera</i> L. CV. Siwi Date Palm Offshoots Kamel, M. H., Abd El-Latif, F. M., and EL-Gioushy S. F.
5	15:10-15:20	Enhancing Pepper Plant Resistance to Root Rot Disease by Encapsulating Roots with Biological and Chemical Inducers Nermeen A. El-Dairy, Faten M. Abdellatif, Ibrahim A. I. EL-Fiki, and Mohamed H. El-habba
6	15:20-15:30	Studying The Effect of Some Abiotic Factors on Managing Root and Crown Rot Diseases of Strawberries Heba A. Abd-Elrahman, Faten M. Abdellatif, Eid, Kh. E. and Elsis, A.
7	15:30-15:45	7.1. The Protective Role Oof Marjoram in Mitigating the Toxicity of Bromadiolone in Adult Male <i>Mus Musculus</i> . Amr M. F. Gaafer, Gad H. Hassan, Abdul M. Abdallah, Ghada R. Yousef and Moamen A. Elbath 7.2. The role of Zingiber Officinale in Alleviating Brodifacoum-Induced Toxicity in Male <i>Mus musculus</i> Amr M. F. Gaafer, Gad H. Hassan, Abdul M. Abdallah, Ghada R. Yousef and Moamen A. Elbath
8	15:45-15:55	Impact of Certain Furfural Derivatives on the Root-Knot Nematode, Meloidogyne Incognita and the Citrus Nematode, <i>Tylenchulus semipenetrans</i> Ghada A. Gad Rady, Hazem Abdelnabby, Nevin Ahmed, Dina S.S. Ibrahim
15:55-16:00		Discussion

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Ninth Session: Topics of Agricultural Sciences and Veterinary Medicine

3.Genetics; Food Hygiene and Food Technology Hall (A) Grand Ballroom, 2nd floor

Chairman:

Prof. Zhang, Jianwei

Prof. Amany Abd El-Rahman Abbass

Prof. Gehan Abdallah El-Shorbagy

Prof. Mohamed Ahmed M. Hassan

Prof. Ashraf Mahdy Sharoba

9	16:00-16:10	Molecular Identification of Dominant Microorganisms Associated with the Spoilage of Strawberries and Oranges Using Ribosomal RNA Gene Sequencing Samar G. El-Badawy, Ashraf Sharoba and Mohamed K. Morsy
10	16:10-16:20	Comparative Computational Analysis of Key Drought-Responsive Proteins across Plant Species: Insights into Molecular Adaptations for Stress Tolerance Ava Abdalla, I.I. Elshawaf, Tamer M. Salim, Ahmed M. Alzohairy, and Hassan Sherif
11	16:20-16:30	Molecular Genetic Assessment of Some Potato (<i>Solanum Tuberosum</i>) Cultivars Osam A. Elsadany, Bekhit, M.M.M., Hoda A. Elgarhy and Tamer M. Salim
12	16:30-16:40	Enhancing the Chilling Stability of Chicken Fillets: The Role of Capsulated vs. Nanoparticle forms of Propolis-Infused Pectin Edible Coating. Mennat Allah H. Elsheshtawy, Saad M. Saad, Abu Bakr M. Idris and Hemmat M. Ibrahim
13	16:40-16:50	Comparative Analysis of Milk-Based Marinades for <i>E. coli</i> Reduction in Refrigerated Meat Samples Fatma Sakar, Nermeen F. Elshopary, Islam I. Sabeq, Ahmed Hamad, Shimaa. N. Edris
14	16:50-17:00	Antimicrobial Effects of Beetroot Extract in Meat Preservation: A Comparative Study in Different Storage Conditions Reham Ashraf, Saad M. Saad, Islam I. Sabike
15	17:00-17:10	Impact of Cold Pressed Cardamom Oil on the Sensory Characterization and Color of Frozen Chicken Burger Hend Mokhtar, Saad M. Saad, Islam I. Sabeq, Ahmed Hamad, Shimaa N. Edris
17:10-17:20		Discussion

Tenth Session: Topics of Agricultural Sciences and Veterinary Medicine

4.Agriculture and Biosystems Engineering

Hall (C) English Language Department, Faculty of Commerce, 3rd floor

Chairman:

Prof. HE, JIN

Prof. Adel H. Bahnaswy

Prof. Ayman H. Amer

Prof. Tark Z. Fouda

16	16:00-16:10	16.1. Physical, Mechanical and Chemical Properties of Pomegranate Fruits Wesal M. Abd El-Aziz, El-Sayed G. Khater, Adel H. Bahnasawy and Mohamed M. El-kholy 16.2. Impact of Drying Temperature, System and Product Thickness on the Pomegranate Quality, Energy Consumption and Drying Cost Wesal M. Abd El-Aziz, El-Sayed G. Khater, Adel H. Bahnasawy and Mohamed M. El-kholy
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17	16:10-16:20	17.1. Effect Of Alkaline Water Level and Electrode Surface Area on the Hydrogen Production Rate as Renewable Energy Source Using Electrolysis System Mohamed Hany, Adel H. Bahnasawy and Elsayed Khater 17.2. Development of Water Electrolysis System for Hydrogen Production as a Renewable Source of Energy Mohamed Hany, Adel H. Bahnasawy and Elsayed Khater
18	16:20-16:30	Effect of Cooling Water Temperature on Nutrient Solution Cooling Efficiency and Lettuce Growth in Hydroponic Systems Ahmad Atef Tawila, Samir Ali and Taha Ashour
19	16:30-16:40	19.1. Effect of eco-engineering systems on growth and productivity of basil (<i>Ocimum basilicum</i> L.) Marwa A. Mohamed, El-Sayed G. Khater, Adel H. Bahnasawy and Nahed K. Ismail 19.2. Effect of Eco-Engineering Systems on Growth and Productivity of Mint Marwa A. Mohamed, El-Sayed G. Khater, Adel H. Bahnasawy and Nahed K. Ismail
20	16:40-16:50	Assessment of Magnetization Treatment Effect on Some Physical and Biological Characteristics of Saline Irrigation Water Heba Abdelsalam, Harby Mostafa, Mohamed El-Ansary, Montaser Awad and Wael Sultan
21	16:50-17:00	Simulation Model for Predicting Soil Forces of Simple Tillage Tools Using Finite Element Method L. A. Darwish, M. T. Afify and Z. A. El-Hadad
17:00-17:10		Discussion

Eleventh Session: Topics of Engineering, Computer and Technology Science.

1.Mechanical Engineering:

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Chairman:

Prof. Saleh Hemida Mohamed Kaytbay

Prof. Amir Aziz Moustafa Emam Abdelsalam

Prof. Ibrahim Sabry Ibrahim

Prof. Radwan Metwaly Abd Elatif

1	13:00-13:10	Experimental Implementation of using PCM-Carbon foam Composite for enhancing Integrated Photovoltaic Panels Performance Dina H. El-Nagar, Mohamed Emam, AA El-Betar, Sameh A. Nada
2	13:10-13:20	Study Reinforcement Patterns for Hardness and Impact of 3D Printed Carbon/Glass Fiber- Nylon D. E. Abo-Alash, Essam Moustafa, S.S. Mohamed, T.S. Mahmoud, Ahmed O. Mosleh
3	13:20-13:30	The Influence of FDM Process Parameters on the Tensile Strength in an Open-Hole Test Ahmed Elkhwaga, Abdalla M. Abdalla and Saleh Kaytbay
4	13:30-13:40	PID Controller Design and Implementation for Multibody Mechatronic Systems Ibrahim Abdel-Hady, Mona A. Bayoumi, Nader A. Mansour, Ayman A. Nada
5	13:40-13:50	Impact of Parameters Process on Mechanical Characteristics in Friction Stir Welding of Aluminum Alloys: A Review A.M.Hewidy

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6	13:50-14:00	Aerodynamics Performance Evaluation of S834 Airfoil Using Different Slot Configuration as a Passive Flow Control Method Khaled Y. Elwan, Abdelgalil Eltayesh, Saeed A. El-Shahat, Hesham M. El-Batsh
7	14:00-14:10	Biodiesel Production from Castor Oil Via Transesterification and Its Combustion Features Blended with Diesel in a Diesel Engine Mohamed L. Abd El-Ghany, Ahmed I. EL-Seesy, Radwan M. El-Zoheiry, Hesham M. El-Batsh
8	14:10-14:20	Investigating the Availability of Incorporation Phase Change Material in a New Design Under Floor Heating Panels M. Yasser, W.G. Alshaer, Radwan M. El-Zoheiry and S.A. Nada
9	14:20-14:30	Performance and Emissions Analysis of a Single-Cylinder CI Engine Operated with Diesel and HHO Gas Produced by a Dry Cell Electrolyzer Mahmoud Aboukhalifa, Ahmed I. EL-Seesy, A.A. Hawwash, A.S. Huzayyin
10	14:30-14:40	Comparative Study of Using R32 and R410A in Heat Pump in Residential Application A. Haggag, M.A. Said, A.A. Hawwash, Walid G. Alshaer
11	14:40-14:50	Parametric Study of the Impact of Incorporated PCM Inside a Lightweight Wall on Indoor Temperature Fluctuations R.M. Saleh, M.A. Said, W.G. Alshaer, S.A. Nada
12	14:50-15:00	Enhancing Efficiency and Sustainability of Domestic Split Air Conditioning Units Using R32 in Both Microchannel and Finned Tube Condensers: Comparative and Experimental Study S. Mostafa, O. Hamdy, A.A. Hawwash, T.A. Mouneer
15:00-15:10		Discussion
Twelfth Session: Topics of Engineering, Computer and Technology Science.		
2.Electrical Engineering and Basic Engineering Sciences: Hall (G) English Language Department, Faculty of Commerce, 4th floor		
Chairman: Prof. Ashraf Shawky Selim Prof. Ashraf Yahia Hassan Prof. Mahmoud Soliman Ahmed Prof. Tarek Mohammad Abdolkader Prof. Mohamed M. Mousa		
Speaker		Dr. Mohamed Magdy Fawzy
13:00-13:30		Asst. Professor Electrical Engineering Department, Shoubra Faculty of Engineering, Benha University, Egypt.
Research Success Stories		
13	13:30-13:40	Novel Simulation Method for TFET-based ISFET pH Sensor Eman A. Hassan, Mina D. Asham, Walid Soliman, Tarek M. Abdolkader
14	13:40-13:50	Stress-Strength Reliability Estimation for Quasi Lindley Distribution Based on Type II Censored Sample Shaimaa. H. Elmeghawry, Sadek A. and Mohie El-Din M.M.
15	13:50-14:00	Developments in Dye-Sensitized Solar Cells to Increase Efficiency M. A. Abd El Ghany, M. D. Asham, Walid Soliman, and Kamal A. Soliman

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16	14:00-14:10	Math Application in Smart Contracts Hala S. Omar, Wageda I. Elsobky, Tamer O. Diab, M. A. Elsiyy
17	14:10-14:20	Numerical Investigation of Natural Convection of Hybrid Nanofluid in a Γ -shaped Enclosure Under the Effect of Magnetic Field and Thermal Radiation Shaimaa M. Masoud, D. A. Hammad and A. A. A. El Desouky
18	14:20-14:30	A Novel Hybrid Architecture Integrating Battery Energy Storage and Solid Oxide Fuel Cell for Standalone Renewable Energy Systems Islam Abdel-Baky Abdel-Aziz, Shawky Hamed Arafah, Tamer Elkhodragy
19	14:30-14:40	Gut Microbiome Profile Prediction for Nonalcoholic Fatty Liver Disease Patients Based on Artificial Intelligence Techniques Bahaa S.Rabi, Hanim Khtar, Ali H. El-Far and Reda Albadawy
20	14:40-14:50	Sampling Frequency Offset Estimation in OFDM Systems: A Comparative Study Moatasem M. Elsayed, Maha R. Abdel Haleem, Ashraf Y. Hassan and Ashraf Shawky Selim
21	14:50-15:00	Frequency Diversity MIMO- OFDM System using GNU Radio Eman Zakaria, Abdelhady M. Abdelhady, Ashraf Y. Hassan, H. EL Hennawy
22	15:00-15:10	Mitigating Sampling Frequency Offset in OFDM: A Comparative and Machine Learning-Based Approach Moatasem M. Elsayed, Maha Abdel Haleem, Ashraf Hassan and Ashraf Shawky Selim
23	15:10-15:20	A Wideband circularly polarized MIMO Antenna for 5G Millimeter Wave Applications Rehab I. Nawar, Abdelhady M. Abdelhady, Ashraf Y. Hassan
24	15:20-15:30	Review on Chaos Image Encryption and its Challenges Einas Mohammed, Wageda I.Elsobky, Ayman Hassanin, Ashraf Yahya
25	15:30-15:40	SEC-MAC: A Secure Wireless Sensor Network based on Cooperative Communication Yassmin khairat, Tamer O. Diab, Samah Osama and Abd El- Hady Mahmoud
26	15:40-15:50	Multi-class Gastrointestinal Diseases improved diagnosis based on Ensemble and Transfer Learning. Bahaa S. Rabi, Ayman S. Selmy and Wael A. Mohamed
15:50-16:00		Discussion
Thirteenth Session: Topics of Engineering, Computer and Technology Science.		
3.Civil Engineering Hall (H) English Language Department, Faculty of Commerce, 4th floor		
Chairman: Prof. Gamal Elsayed Abdelaziz Prof. Fahmy Salah Fahmy Abdelhaleem Prof. Hala Mohamed Refaat Abd Elmouhaimen Prof. Ayman Abdelhamid Amin Ahmed Prof. Osama Ali Nada Prof. Mohamed Taha Abd El Fattah		
27	13:30-13:40	Evaluation of Runoff and Morphometric Analysis in Wadi Ked, Sinai, Egypt Mahmoud M. Afify, Amir S. Ibrahim, Islam S. Al Zayed, Tarek H. Nasrallah and Fahmy S. Abdel Haleem
28	13:40-13:50	Behavior of Hybrid Reinforced Concrete Beams Under Influence of Seawater Sherif Shehata, Amr A. Gamal, Ahmed Deifalla and Tarik S. El-Salakawy

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29	13:50-14:00	Evaluation the Performance of Flexible Pavement Modified with High Density Polyethylene and Crumb Rubber Powder: A review Ahmed A. Abd Algahny, Ahmed Gamal M. Morsi and Mohamed Samir Eisa
30	14:00-14:10	Effect of Fibers and Nanomaterials Individually or in Combination on the Enhancement of Asphalt Mixes' Performance: A Review Marwa Mohamed Sabry, Ahmed Gamal, Mohamed Samir Eisa
31	14:10-14:20	A Comprehensive Review of the Impact of Nanomaterials and Fibers on Asphalt Mixtures and Their Performance Ahmed Gamal Morsy, Ahmed Hassan, Mostafa Abdelsalam and Mohamed Eisa
32	14:20-14:30	Numerical Analysis of Cold-Formed Steel Built-Up Closed Sections Subjected to Axial Load Kareem Mohamed, Hanan H. Eltobgy, Mohamed El-Saadawy and Khaled A. Gharib
33	14:30-14:40	Investigating the Load-Bearing Behavior of Composite Cold-Formed Steel Decking Sara Hussein Fahmy, Ahmed Shamel Fahmy, Sherine Mostafa Swelem
34	14:40-14:50	Evaluation of Very High-Resolution Remote Sensing Images Segmentation Techniques Eman A. El-Naggar, Sayed A. El-Naghi and Samy. M. Ayaad
35	14:50-15:00	Experimental Investigation of Ambient Temperature Effects on Domestic Refrigerator Performance and Running Ratio Faisal Elhabashy, A.A. Hawwash, Aly M.A. Soliman, Walid G. Alshaer
36	15:00-15:10	The Bitcoin Wallets : how to be anonymous? Lamiaa Said, Nesma Mahmoud, Daaa Salama, Hatem Mohamed
37	15:10-15:20	The Impact of Blockchain Technology on Product Supply Chains in the Field of Industrial Design Asmaa Gamal Elgez, Nermeen Kamel Elgedawy and Osama Ali Nada
38	15:20-15:30	Intellectual Property Protection for 3D Printing Products Using Blockchain Technology in the Field of Industrial Design Asmaa Gamal Elgez, Nermeen Kamel Elgedawy and Osama Ali Nada
15:30-15:50		Discussion
17:30		Lunch break (Hall Grand Ballroom, 1st floor)
18:00		The End of The First Day's Activities

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