





PGASC 4th Annual Conference of Post Graduate Studies for Applied Sciences المؤتمر السنوي الرابع للدراسات العليا المؤتمر السنوي الرابع للدراسات العليا



Under the Auspices of

Prof. Mohamed Ayman AshourMinister of Higher Education
and Scientific Research

Prof. Gehan Abdelhady MousaVice President of Benha University
for Postgraduate Studies and Research

Conference Chairman

Prof. Nasser Elgizawy President of Benha University

Prof. Hesham Rashid

Vice Dean of post graduate studies and research affair Faculty of Medicine Conference Rapporteur





































Innovative Research for a Sustainable Future



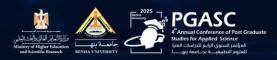








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4th ANNUAL CONFERENCE OF POSTGRADUATE STUDIES **APPLIED SCIENCES**

"Innovative Research for a Sustainable Future"

	D O Ethan 2025
	Day One 7 th 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-Gi	izawy
Prof. Gehan A. Me	ousa
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
2 11 20 11 15	"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
4 11.45-12:10	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

Hall (A) Grand Ballroom, 2nd floor

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

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

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

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Hall (G) English Language Department, Faculty of Commerce, $\mathbf{4}^{\text{th}}$ floor



























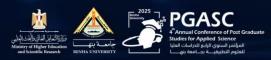
















Second Session: Topics of Health & Clinical Science I (Medicine)

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

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. Yoserv El- Saeed Rizk

	1100 10bery El Buccu Hilli	
1	13:00-13:10	Covid -19 Associated Ischemic and Haemorrhagic Stroke
		Amira A. EL-Sebaey, Ahmed Abd-Elrahman, Ehab Afifi 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)
	7///	Sandy A. Taha, Mohamed E. Zayed, Gamal Saleh and Haytham S. Afify
6	13:50-14:00	Anti-Mullerian Hormone (AMH) Variability in Cases of Polycystic Ovary
		Syndrome (PCOS) Phenotypes
		Asmaa Ghany Khalil, Amr Sharaf El-Din, Mohammed Abdel Salam, Labiba El Sayed
14	4:00-14:10	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

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 Aya 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

Hall (A) Grand Ballroom, 2nd floor

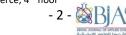
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Hall (F) English Language Department, Faculty of Commerce, 4th floor Hall (G) English Language Department, Faculty of Commerce, 4th floor



























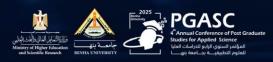
















9	14:30-14:40	The Role of MicroRNA-21 in Psoriasis Vulgaris	
		Yosif A. Musa, Ahmed A. Saleh, Aliaa E. Daifalla, Karem T. Khalil and Seham G.	
		Ameen	
10	14:40-14:50	Use of Dermal Threads in Treatment of Acne Scars	
		Ahmed Y. Kadhim, Shymaa M. Rezk, Amany I. Mustafa	
11	14:50-15:00	Uses of Chemical Peeling in Acne Scars	
		Aya Allah M. R. Hykal, Shimaa M. Rizk and Nader N. Nazmy	
12	15:00-15:10	Microneedling in Acne Scars	
		Asmaa A. Elsayed 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	
16	15 40 15 50	Saba H. Sharif, Hanan H. Sabry and Samah E. Ibrahim	
16	15:40-15:50	Metabolic Syndrome and Psoriasis	
15	15 50 16 00	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.	
14		Abd El-Ghafar and Radwa M. Ahmed	
10	16:00-16:10 Discussion		
		ession: Topics of Health & Clinical Science I (Medicine)	
3. P	3. Pediatric and Clinical and Chemical Pathology		
	Hall (B) English Language Department, Faculty of Commerce, 3 rd floor		
Cha	Chairman:		
Pro	f. Abdel Rehi	m Saad Sholah	
Pro	f. Ebrahim M	ohamed Regeh	
		Iohamed Elabd	
	Prof. Azza Ahmed I. Abou Senna		
	Prof. Ghada Abd El-Motaleb Saad		
	16:10-16:20	Speckle Tracking Echocardiography for Early Detection of Myocardial	
10	10.10-10.20	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	
	10.20 10.50	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.	
		Abdelyahman and Alica M. Dish	

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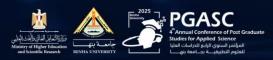
LEARN TODAY,







Abdelrahman and Aliaa M. Diab







21	16:40-16:50	Overview of hemophilia A in pediatrics	
		Sherif S. Ahmed Abd El-Maged, Samar M. Elbahy, 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	
		H.F. Farid, 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	
		Marwa S. Abd ALLAH Emara, Eman R. Abd El Gwaad, Walid A. Abd El Halim and	
		Mayada E. Yousef Khalil	
17	7:10-17:20	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
		Heba S. Mazen, 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
	. 11111	Marwa I. Desoky, 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
		Gailan A. Khalill, Manal H. Mahmoud, Nehal M. Abo Elfadl and Safaa M.
		Hammed
4	13:30-13:40	Mothers' Care for their Children with Cataract
		Nabila S. Abd-Elmonem, 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
		Safa Ragab, 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
		Eman A. Elsayed, 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
		Heba S. Mazen, Amel A. Omran, Elham A. Ramadan and Fatma K. Ali
14	14:10-14:20 Discussion	

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	uall	Sixth Session: Topics of Basic Science (D) English Language Department, Faculty of Commerce, 3 rd floor
	пан	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	3.20:13.40	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;
	- 4 AN	Biotechnology R&D For Drug Discovery and Development.
13	3.40:14.00	Prof. Alaa Elsayed Ahmed Amina
		Professor at Chemistry Department, Faculty of Science, Benha University, Benha, Egypt.
		Research Success Stories
		2.Botany; Microbiology and Entomology
Prof Prof		arkey 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
	4440445	Sarah El Sayed, Nora M. Nassar, Tarek A. Abdel Fattah and Sabah Abo El maaty
4	14.40:14.50	Optimization of Laccase Production and Purification
		from (Penicillium chrysogenum)
_	14.50.15.00	Asmaa A. Badawy, Redwan Khalil, Mervat G. Hassan, and Hamed M. El-Shora
5	14.50:15.00	Production and Purification of Phytase from Staphylococcus sciuri
		Elkholy, Hager Alaa aldein, Hassan, Mervat Gameel, Attia, Attia A. and El- Shora1and Hamad
6	15.00:15.10	Screening and Characterization of Potential Probiotic Lactic Acid Bacteria
6	15.00:15.10	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
,	10.10.10.20	1 Indimensional Field Fity of Chemorian Intyous Douves Dandets

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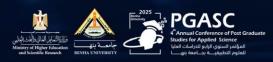
















Hoda. El-badawy, Mervat G. Hassan, Dina Baraka, F El-Sayad	Hamed M. Elshora, Gharieb S.	
8 15.20:15.30 Silica Nanoparticles Biosynthesis from Sac	ccharomyces sp. with	
Antimicrobial Activity	1	
<u>Doaa Abdelhady</u> , Mervat G. Hassan, Ahmed A. Ham	ned, M. O. Abdel-Monem and	
Mahmoud S. A. Shahin		
9 15.30:15.40 Antimicrobial activity of Portulaca Olerac		
Hoda. F. Elbadawy, y Mervat G. Hassan, Dina. M.	Baraka, Hamed M. Elshora,	
10 15.40:15.50 Screening and Characterization of Potential Prob	: T A :1D	
Isolated from Traditional Dairy		
Mohamed A. Elghoul, Hanady G. Nada, Mohamed O Dawwam	O. Abdel-Monem and Ghada E.	
11 15.50:16.00 Silver Nanoparticles Synthesized by Bacteria and	Their Antimierobiel Activity	
Mayar Atef, Mervat G. Hassan, Ahmed A. Hamed		
Mahmoud S. A. Shahin		
12 16.00:16.10 Diversity, Relative Abundance and Preference of		
Substrates in Qalyubiya Governor		
Aya S. Omara, Mohamed M. Baz, Abla D. Abdeln		
Abelwahab A. Ibrahim, Yasser A		
13 16.10:16.20 Nanocomposite Zinc-oxide-silica-: A Sustainab		
and Anticancer Applicati		
Hanaa S. Farouk, Alaa Elmetwalli, Gharieb S. El-S		
Monem, Jihan Hassan, Mahmoud S. A. Shah		
16.20:16.30 Discussion		
Seventh Session: Topics of Basic Science		
3.Physics; Geology; Chemistry		
Hall (E) English Language Department, Faculty of Comm	erce, 3 rd 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 In	nteraction of Solar Wind with	
Magnetosphere's Earth		
Atef Bassyouni, W. M. Moslem, M. A. Hasse		
15 14.10:14.20 Assessment of Trial to Use Exosomes and Salmo	*	
Multisource Mixture for Hair Follicle Active		
Ahmed M. Abdelaziz, Mariam I. El-Gohary, Sara A. El-	•	
Alaa, Malak A. Ahmed, Ali Sa		
16 14.20:14.30 Contribution to the tectonic setting of the No.		
Gulf of Suez, Egypt	Juliu I Iuliuu,	
Mahran, M. Mohamed Ibrahim, Hagag, W. Dardir, G	Gamal M. El Qot, Osman, Refaat	
Abdelkarim, Mahmoud K. Alawy, and Za		

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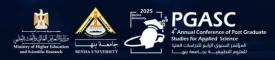
















17	14.30:14.40	Palaeoenvironments and Palaeobiogeographical Distribution of the Eocene Larger
		Benthic Foraminifera and Macrofaunal Associations in the Northern Plateau of the
		Bahariya Depression, Western Desert, Egypt
		Nada A. Ayoub, Sayed M. Ahmed, Rifaat A. Osman, Mervat S. Hassan, Emad S. Sallam
18	14.40:14.50	Mountain of the Dead: A Remarkable Geoheritage Site for Sustainable Socio-Economic
		Development in Siwa Oasis, Egypt
		<mark>Nada A. Ayoub</mark> , 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
1:	5.00:15.10	Discussion
Eigh	nth Session: T	opics of Agricultural Sciences and Veterinary Medicine
1. S	peakers:	
	-	Hall (A) Grand Ballroom, 2 nd floor
1.	3:00-13:20	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).
	2.20.42.40	
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.
1	3:40-14:00	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.
1	4:00-14:10	Prof. Abdelfattah Monged Abdelfattah
		Vice Dean for Postgraduate & Research, Faculty of Veterinary Medicine,
		Benha University, Egypt.
		Milestones and Mindsets: My Road to Success
1	4:10-14:20	Prof. Mohamed Shaban M. Hassaan
		Head of Animal Production Department, Faculty of Agriculture,
		Benha University, Egypt.
		Research Success Stories
2. H	orticulture an	nd Plant Protection:

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 Ellteif and A. S. Shams
2	14:30-14:45	2.1. Influence of Different Growing Media on Growth and Chemical Compositions of Schefflera (Schefflera arboricola 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 (Schefflera arboricola 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 Elsisi, A.
7	15:30-15:45	7.1. The Protective Role Oof Marjoram in Mitigating the Toxicity of Bromadiolone in Adult Male Mus Musculus. 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 Mus musculus 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, Tylenchulus semipenetran Ghada A. Gad Rady, Hazem Abdelnabby, Nevin Ahmed, Dina S.S. Ibrahim
15	5:55-16:00	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

1101	. Asın an Mane	ay 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
		Aya Abdalla, I.I. Elshawaf, Tamer M. Salim, Ahmed M. Alzohairy, and Hassan
		Sherif
11	16:20-16:30	Molecular Genetic Assessment of Some Potato (Solanum Tuberosum) 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.
	////INN	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 E. coli 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
	1/6	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

Hall (A) Grand Ballroom, 2nd floor

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

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

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

Hall (E) English Language Department, Faculty of Commerce, 4th floor

Hall (F) English Language Department, Faculty of Commerce, 4th floor Hall (G) English Language Department, Faculty of Commerce, 4th floor



































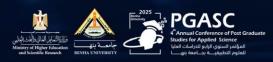
















1/	10.10-10.20	17.11. Effect of Mikaline Water Level and Electrode Surface Med on the Hydrogen
		Production Rate as Renewable Energy Source Using Electrolysis System
		Mohamed Hany, Adel H. Bahnasawy and Elsayed Khater
		17.2. Development of Water Electrolysis System for Hydrogen Production as a
		Renewable 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
		(Ocimum basilicum 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
1	7:00-17:10	Discussion
E	leventh Sess	sion: Topics of Engineering, Computer and Technology Science.
l.Me	echanical Eng	vineering:
		Hall (F) English Language Department, Faculty of Commerce, 4th floor
Cha	irman:	
		da Mohamed Kaytbay
		Moustafa Emam Abdelsalam
_		
	. Ibrahim Sa	· ·
		etwaly Abd Elatif
1	13:00-13:10	Experimental Implementation of using PCM-Carbon foam Composite for
		enhancing Integrated Photovoltaic Panels Performance
•	12 10 12 20	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
2	12.20 12.20	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

17 | 16:10-16:20 | 17.1. Effect Of Alkaline Water Level and Electrode Surface Area on the Hydrogen

Hall (A) Grand Ballroom, 2nd floor

13:30-13:40

13:40-13:50

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Hall (G) English Language Department, Faculty of Commerce, 4th floor











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5











Ahmed Elkhwaga, Abdalla M. Abdalla and Saleh Kaytbay

PID Controller Design and Implementation for Multibody

Mechatronic Systems Ibrahim Abdel-Hady, Mona A. Bayoumi, Nader A. Mansour, Ayman A. Nada Impact of Parameters Process on Mechanical Characteristics in Friction

> Stir Welding of Aluminum Alloys: A Review A.M.Hewidy











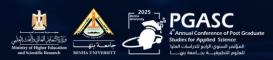
















15	5:00-15:10	Discussion
		S. Mostafa, O. Hamdy, A.A. Hawwash, T.A. Mouneer
		Comparative and Experimental Study
		Using R32 in Both Microchannel and Finned Tube Condensers:
12	14:50-15:00	Enhancing Efficiency and Sustainability of Domestic Split Air Conditioning Units
	7/11	R.M. Saleh, M.A. Said, W.G. Alshaer, S.A. Nada
		Wall on Indoor Temperature Fluctuations
11	14:40-14:50	Parametric Study of the Impact of Incorporated PCM Inside a Lightweight
		A. Haggag, M.A. Said, A.A. Hawwash, Walid G. Alshaer
		Residential Application
10	14:30-14:40	Comparative Study of Using R32 and R410A in Heat Pump in
		Mahmoud Aboukhalifa, Ahmed I. EL-Seesy, A.A. Hawwash, A.S. Huzayyin
		with Diesel and HHO Gas Produced by a Dry Cell Electrolyzer
9	14:20-14:30	Performance and Emissions Analysis of a Single-Cylinder CI Engine Operated
		M. Yasser, W.G. Alshaer, Radwan M. El-Zoheiry and S.A. Nada
9	1112 11120	Design Under Floor Heating Panels
8	14:10-14:20	Investigating the Availability of Incorporation Phase Change Material in a New
		M. El-Batsh
	1(1) 2 1 1/2	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
7	14:00-14:10	Biodiesel Production from Castor Oil Via Transesterification
_	14.00.14.10	Khaled Y. Elwan, Abdelgalil Eltayesh, Saeed A. El-Shahat, Hesham M. El-Batsh
		Slot Configuration as a Passive Flow Control Method
6	13:50-14:00	Aerodynamics Performance Evaluation of S834 Airfoil Using Different

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. Elsisy
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
40	1 1 20 1 1 20	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
19	14.50-14.40	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
22	15:10-15:20	Moatasem M. Elsayed, Maha Abdel Haleem, Ashraf Hassan and Ashraf Shawky Selim A Wideband circularly polarized MIMO Antenna for 5G Millimeter
23	15:10-15:20	Wave Applications
		Rehab I. Nawar, Abdelhady M. Abdelhady, Ashraf Y. Hassan
24	15:20-15:30	Review on Chaos Image Encryption and its Challenges
47	13.20-13.30	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
20	13.30 13.10	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	5:50-16:00	Discussion
		Session: Topics of Engineering, Computer and Technology Science.
3.Ci	vil Engineeri	ng Hall (H) English Language Department, Faculty of Commerce, 4th floor
Cha	irman:	
Pro	f. Gamal Elsa	ayed Abdelaziz
		ah Fahmy Abdelhaleem
	•	med Refaat Abd Elmouhaimen
_		delhamid Amin Ahmed
	•	
	f. Osama Ali	
		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
20	12 40 12 50	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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31 14:1 32 14:2	0-14:10 0-14:20 0-14:30 0-14:40	Polyethylene and Crumb Rubber Powder: A review Ahmed A. Abd Algahny, Ahmed Gamal M. Morsi and Mohamed Samir Eisa 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 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 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
31 14:11 32 14:2	0-14:20	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 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 Numerical Analysis of Cold-Formed Steel Built-Up Closed Sections Subjected to Axial Load
31 14:11 32 14:2	0-14:20	Enhancement of Asphalt Mixes' Performance: A Review Marwa Mohamed Sabry, Ahmed Gamal, Mohamed Samir Eisa 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 Numerical Analysis of Cold-Formed Steel Built-Up Closed Sections Subjected to Axial Load
32 14:2	0-14:30	Marwa Mohamed Sabry, Ahmed Gamal, Mohamed Samir Eisa 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 Numerical Analysis of Cold-Formed Steel Built-Up Closed Sections Subjected to Axial Load
32 14:2	0-14:30	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 Numerical Analysis of Cold-Formed Steel Built-Up Closed Sections Subjected to Axial Load
32 14:2	0-14:30	Asphalt Mixtures and Their Performance Ahmed Gamal Morsy, Ahmed Hassan, Mostafa Abdelsalam and Mohamed Eisa Numerical Analysis of Cold-Formed Steel Built-Up Closed Sections Subjected to Axial Load
02		Ahmed Gamal Morsy Ahmed Hassan, Mostafa Abdelsalam and Mohamed Eisa Numerical Analysis of Cold-Formed Steel Built-Up Closed Sections Subjected to Axial Load
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33 14:3	0-14:40	J
33 14:3	0-14:40	Kareem Mohamed Hanan H. Eltohov, Mohamed El-Saadawy and Khaled A. Charib
33 14:3	0-14:40	
	0 11110	Investigating the Load-Bearing Behavior of Composite Cold-Formed Steel Decking
	-/-/	Sara Hussein Fahmy, Ahmed Shamel Fahmy, Sherine Mostafa Swelem
34 14:4	0-14:50	Evaluation of Very High-Resolution Remote Sensing Images
		Segmentation Techniques
		Eman A. El-Naggar, Sayed A. El-Naghi and Samy. M. Ayaad
35 14:5	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 15:0	00-15:10	The Bitcoin Wallets: how to be anonymous?
		<u>Lamiaa Said</u> , Nesma Mahmoud, Diaa Salama, Hatem Mohamed
37 15:1	0-15:20	The Impact of Blockchain Technology on Product Supply Chains
Jan Jan J		in the Field of Industrial Design
		Asmaa Gamal Elgez, Nermeen Kamel Elgedawy and Osama Ali Nada
38 15:2	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
15:30-1	15:50	Discussion
17:3	30	Lunch break (Hall Grand Ballroom, 1st floor)
18:0)()	The End of The First Day's Activities

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