



وزارة التعليم العالي والبحث العلمي
Ministry of Higher Education
and Scientific Research



جامعة بنها
BENHA UNIVERSITY



2026
PGASC

5th Annual Conference of Post Graduate
Studies for Applied Science
المؤتمر السنوي الخامس للدراسات العليا
للعلم والتطبيق جامعة بنها

5/6
May
2026

5th

ANNUAL CONFERENCE OF POST GRADUATE STUDIES

APPLIED SCIENCES Serving a Smart, Healthy, & Sustainable Future

Under the Auspices of

Prof. Abdel Aziz Qansouh

*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
& research affair
Faculty of Medicine
Conference Rapporteur*

CONFERENCE PROGRAM

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Day One 5th May 2026

Time	Event	Building No. (A)
9:00-10:00	Registration	
10:00-10:30	Welcome & Opening Ceremony (Prof. Dr. Hossam Al-Attar Grand Ballroom)	
	Prof. Hesham Rashid Conference Coordinator	
	Prof. Gehan A. Mosa Vice President for Postgraduate Studies & Research	
	Prof. Nasser El-Gizawy President of Benha University	
Plenary Session		
Chairman: Prof. Nasser El-Gizawy		
1	10:30-10:50	Dr. Eng. Maged Ismail CEO of the Egyptian Space Agency Advancing Applied Sciences for Sustainable and Intelligent Development
2	10:50-11:10	Prof. Rasha Sharaf Secretary General of the Education Development Fund the Egyptian Cabinet The Future of Applied Sciences Jobs with focus on Human Wellbeing
3	11:10-11:40	Prof. Ibrahim M. El-Sherbiny Acting President of the University of Science and Technology at Zewail City Basic and Applied Sciences as the Foundation of Innovation: Some Success Stories for Disease Treatment and Advanced Biomedical Applications (From Lab to Society)
4	11:40-12:00	Prof. LI YIBO College of Life Science and Technology, Huazhong Agricultural University (HZAU) The Molecular and Genetic Basis of Field Thermotolerance for Grain Quality and Yield in Rice
5	12:00-12:20	Prof. SUN MING Professor - College of Life Sciences and Technology at Huazhong Agric. University (HZAU) Discovery of Novel Bacillus thuringiensis and Development of New Pesticides
6	12:20-12:30	Discussion
7	12:30-12:40	Honoring Keynote Speakers
	12:40-13:00	Break



Session Two: Topics of Agricultural Sciences I

Prof. Dr. Hossam Al-Attar Grand Ballroom

Sec-Speakers:

1	13:00-13:20	Prof. Dr. Osman Sabri Kesbiç Department of the Animal Nutrition and Nutritional Diseases, Faculty of Veterinary, Kastamonu University, Türkiye. Valorization of Agro-Industrial Wastes as Natural Antioxidants for the Oxidative Stability of Fish Oil
2	13:20-13:40	Prof. Mohamed Frahat Foda College of Life Science and Technology, Huazhong Agricultural University (HZAU) AI-Driven Nanomaterials in Agriculture: A Precision Revolution for Global Food Security
3	13:40-14:00	Assoc. Prof. Dr. Hynek Roubík's BioResources & Technology Director and the Dean of the Faculty of Tropical Agrisciences (FTA) in the Czech University of Life Sciences Prague (CZU). From Waste to Wealth: Circular Bioeconomy Pathways in Agri-Food Systems for Sustainable
4	14:00-14:20	Ms. Wan Yaojia PhD Candidate, College of Life Science and Technology, Huazhong Agricultural University (HZAU) Diversity of Bacillus in Egypt and Construction of Bacillus Resource Library
Chairman: Prof. Tahany Roshdy Abd-Elzaher Prof. Hazem Mohamed Elewa Prof. Hanem Fathy Khater Assoc. Prof. Dr. Hynek Roubík's		
1	14:20-14:30	Effect of Some Control Agents on Biochemical and Histological Changes of Fall, Spodoptera frugiperda. Marwan M. Tawfik; Ezzat F. El-Khyat; Amira M. El-Shewy; Hassan F. Dahi
2	14:30-14:40	Impact of Winter Feeding with Protein Diets on Wintering Ability, Development and Productivity Status of Honeybee Colonies, Apis mellifera. Ibrahim A. El-Ghabawy; Reda E. Omar; Metwally M. Khattab; El-Hosseney E. Nowar
3	14:40-14:50	Isolation, Identification and Optimization of Alkaline Protease- Producing Bacillus subtilis. Mohamed M. Afifi; Ahmed A. Salem; Osama M. Darwesh ; Noha M. Ashry; Rashed A. Zaghloul
4	14:50-15:00	Impact of Elevated CO₂ and Temperature on the Third Trophic Level: A Predator Cydonia vicina var. isis. Fatma R. Mahrous; Adel A. Hafez; Fawzy F. Shalaby; Naglaa F. Abd elhameid
5	15:00-15:10	Survey and Population Dynamics of Key Pests and Their Natural Enemies on Municipal Roses. Nermin S. Hassan; Ezzat F. El-Khyat; Amira M. El-Shewy; Mohamed M. Nour El-Deen ; Mona I. Ammar
	15:10-15:20	Discussion



Session Three: Topics of Agricultural Sciences II

Building No. (A) - A0R2 Hall -1st floor

Chairman:

Prof. Liu Jihong
Prof. Dr. Osman Sabri Kesbiç
Prof. Fouad Mohamed Abd El-Latif
Prof. Abdelfattah Monged Abdelfattah
Prof. Mohamed Mohamed Mady

1	14:30-14:40	Effects of Chemical and Green Nano Iron and Copper on Growth, Yield and Fruit Quality of Cucumber Plants (<i>Cucumis sativus</i> L.). Shahat, M. D.; Abd-El-Dayem, H.M.; El-Nabrawy, Amira, A.; El-Desoukey, Heba, S.
2	14:40-14:50	Enhancement the Growth Performance and Photosynthetic Pigments of Echinacea Purpurea Plants by Using Some Natural Materials. Elham, F. Abdelhameed; Khedr, Z.M.; Zewail, R. M.; Hendawy, S. F. and Mady, M. A.
3	14:50-15:00	Comprehensive Field Assessment of Cumin Wilt Caused by <i>Fusarium oxysporum</i> f. sp. <i>cumini</i> in Egypt. Eslam M. Abdullah; Raouf N. Fawzy; Khaled S. Eid; Gamal A. Ahmed; Ahlam M. Gwaily
4	15:00-15:10	Extending the Shelf-Life of Barhee Dates Using Edible Coating Incorporated with Olive Leaf Extract: A Comprehensive Study on Physicochemical, Microbiological, and Sensory Properties. Mohamed Samy; Ibrahim Khalifa; Hassan Al-Tanahi
5	15:10-15:20	Impact On Vegetative Growth and Nutritional Status of Balady Mandarin Trees of Applying Iron, Zinc, and Manganese Mixes as A Foliar Spray and Soil Addition. Al-Muhammdy O. A. Fares; Hoda, A. A. Dosoky; Shrief F. El-Gioush
	15:20-15:30	Discussion

Session Four: Topics of Agricultural Sciences III

Prof. Dr. Hossam Al-Attar Grand Ballroom

Sec-Speakers:

1	15:30-15:50 (Online)	Prof. LI XINGWANG Dean of College of Life Science and Technology, Huazhong Agricultural University (HZAU) 3D Epigenome Architecture and Transcriptional Regulation in Rice
2	15:50-16:10 (Online)	Prof. Huazhen Liu College of Animal Science and Veterinary Medicine, Huazhong Agricultural University (HZAU) Sustained Growth in Chickens via Early FMT that Maintains Gut Lactobacillus

Chairman:

Prof. Adel Hamed Bahnaswy
Prof. Elsayed Elsayed Ismail
Prof. Mohamed S. Hasaan
Prof. Mohamed Frahat Foda

1	16:10-16:20	Effect Of Waxing Concentration and Drying Temperature on Shelf-Life and Quality of Orange Fruits During Storage. Mohamed G. El-Dawy; Elsayed G. Khater; Adel H. Bahnasawy
2	16:20-16:30	Valorization of Buffalo Milk Proteins in Yoghurt: Antioxidant Activity and Quality Attributes. Mai Shallan; Gamal Elnagar; Abd El-Aty Abd El-Aty; Ebrahim Elkhtab
3	16:30-16:40	Assessing Gamma Irradiation in Enhancing Cowpea Grains During Storage. Aya Sharaf; El-Sayed G. Khater; Adel H. Bahnasawy; Nazeer. M. El-Biale

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4	16:40-16:50	Effect of Different Concentrations of Cryoprotectant Agents on the Hatching of Nile tilapia embryos, <i>Oreochromis niloticus</i> . Mona, S. Amer ; Marwa M. A. Saleh; Mohamed S. Hassaan; Hosam, E. Elsaeid
5	16:50-17:00	Biological Evaluation of Native and Modified Citrus Peel Pectin's on Diabetic Experimental Animals Israa M. Mosalam ; Salah M. Saad; Farahat F. Foda
17:00-17:10		Discussion

POSTER: Topics of Agricultural Sciences and Veterinary Medicine

Prof. Dr. Hossam Al-Attar Grand Ballroom

Chairman: Prof. El-Sayed Gomaa Khater Prof. Mohamed H. Refaat Prof. Tahany Roshdy Abd-Elzaher Prof. Hanem Fathy Khater		
1		Study on Some Physical and Mechanical Properties of Orange Fruits (<i>Valencia Orange</i>). Mohamed G. El-Dawy ; Elsayed G. Khater; Adel H. Bahnasawy
2		UV-C As a Sustainable Strategy to Preserve Stored Cowpea Grains Aya Sharaf ; El-Sayed G. Khater; Adel H. Bahnasawy; Nazeer. M. El-Biale
3		Influence of Some Control agents on Biological and Biochemical Aspects of Fall Armyworm, <i>Spodoptera frugiperda</i> . Marwan M. Tawfik ; Ezzat F. El-Khyat; Amira M. El-Shewy; Hassan F. Dahi
4		Evaluation of Some Chemical and Botanical Compounds Against Pests Infesting Municipal Roses. Nermin S. Hassan ; Ezzat F. El-Khyat; Amira M. El-Shewy; Mohamed M. Nour El-Deen; Mona I. Ammar
5		The Complementary Effects of Salicylic Acid, Alginic Acid, Chitosan and Humic Acid to Improve the Yield and Bioactive Component of Echinacea Plants. Elham, F. Abdelhameed ; Khedr, Z.A.; Zewail, R. M.; Hendawy, S. F. and Mady, M. A.
6		Enhancing Yield, Fruit Set and Quality of "African Rose" Plum Trees through Integrated Nutrition and Growth Strategies. Mohamed S. El Aksher ; Fouad M. Abd- El- Latif; Hamed El-Zaabalawy M.; Sherif F. Eid El -Sayed; Atef M. Hussein
7		Scanning Electron Microscopy and Elemental Composition in Coffee Beans Surface of Some Yemeni Cultivars (<i>Coffea arabica</i> L). Saleh H. S. Tolyain ; Mohamed H. Refaat; Hoda A. S. Al-Garhy; Shafik I. Darweesh; Makhlof M. M. Bekhit
8		Effect of Alpha-Tocopherol (Vit-E) and Ascorbic Acid (Vit-C) Addition on Cryopreserved Sperm Viability, Motility, Velocity Parameters, Morphological Measurements(μ m) and DNA Integrity At -196°C Of Nile Tilapia. Elshimaa, E. Eldegwy ; Marwa, M. Ali; Mohamed, S. Hassaan; Hosam, E. Elsaeid.

Session Five: Topics of Health & Clinical Science II (Nursing)

Building No. (A) - A0R1 Hall -1st floor

Chairman: Prof. Marwa Moustafa Ragheb Prof. Amaal Ghraieb Sabbaq Prof. Amal Said Taha		
1	13:00-13:10	Effect of Toolkit Teaching Strategy on Pediatric Nursing Students' Performance and Satisfaction regarding Preterm Infants' Care. Sara Talaat Amer ; Madiha Hassan Bayoumi; Hanan El-sayed Metwally
2	13:10-13:20	Effect of an Educational Program on Mothers' Performance Regarding Care of their Children Undergoing Ptosis Surgery. Huda El-Sayed Abdel-Haleem ; Basma Rabie Abd-Elsadik; Rasha Rady El-Said
3	13:20-13:30	Academic Self-Efficacy Level among Pediatric Nursing Students Engaged in Problem-Based Learning: Descriptive Study. Fatma Alm Eldeen Goda ; Amal Gharib Sabaq; Reda Mohamed Abdullah



4	13:30-13:40	Stress level and Practices among Mothers Caring for Children with Juvenile Idiopathic Arthritis: An assessment study. Rania Mohy Hamouda; Amal Gharib Sabaq; Khadiga Mohamed Said
5	13:40-13:50	Effect of Competency Based Program for Nurses on Health Outcomes of Patients with Accidental Chest Trauma. Eman Adel Mahmoud Elweghi; Marwa M. Ragheb; Amal S. Taha; Nehal M. Abo El-Fadl
6	13:50-14:00	Critical Care Nurses' Awareness and Perception toward Utilizing Artificial Intelligence. Esraa A. Sherbini; Manal H. Mahmoud; Hala A. Sheta; Ashgan T. Fathy
	14:00-14:10	Discussion

Session SIX: Topics of Health & Clinical Science II (Nursing)
Building No. (A) - A0R1 Hall -1st floor

Sec-Speakers:

14:20-14:40
(Online)

Prof. Zhou Fuling
Dean of College of Nursing, Wuhan University, Zhongnan Hospital
Digital Teaching in Clinical Practice: Transformation, Pathways and Prospects

Chairman:

Prof. Ebtesam Mohamed Abdalla
Prof. Fawzaih Farouk Kamel
Prof. Eman Mohamed Abd-Elhakm

1	14:40-14:50	Effect of Hoffman's exercise on breastfeeding level among primiparous women with flat and inverted nipples. Enas S. Mohamed; Amel A. Hassan; Rehab S. Abdel Aliem
2	14:50-15:00	Maternal and Fetal Outcomes of Teenage Pregnancy at Benha University Hospital. Rania Atef Said Nassef; Eman Mohamed Abd Elhakam; Rehab Soliman Abd Elaliam
3	15:00-15:10	Burden of Care among Mothers Regarding their Children with Cerebral Shunt. Salma Hussein Elsayed Bakry; Ebtisam Mohamed Abd-Elaal; Hoda Abdallah Morsi
4	15:10-15:20	Relation Between Motivation, Empowerment and Negative Symptoms Among Patients with Schizophrenia in Benha Psychiatric Hospital. Hanaa Abdallah Abd Elaziz; Rehab EL-Sayed Mohamed; Hoda Abd EL-Moaty M. Arafa
5	15:20-15:30	The Relation between Decision Making Involvement and Work Flourishing among Nurses. Tarek M. Baioumy; Hana S. Abdel Aziz; Rehab M. Rashad
	15:30-15:40	Discussion
POSTER		Nurses' Knowledge and Attitude Toward Caring for Patients with Accidental Chest Trauma. Eman Adel Mahmoud Elweghi, Marwa M. Ragheb, Amal S. Taha, Nehal Mahmoud Abo El-Fadl

Session Seven: Topics of Engineering (Mechanical Engineering and Basic Engineering Sciences)
Building No. (A) - A0R2 Hall -1st floor

Speakers:

13:00:13:20

Prof. Rayan Abdullah
Professor of Design and Typography at the Academy of Visual Arts
The Future of Design

Chairman:

Prof. Zeinab Feisal Abd Elkader
Prof. Mohamed Said Mohamed
Prof. Osama Ali Nada
Prof. Ashraf Yahia Hassan
Prof. Mahmoud Soliman Ahmed
Prof. Mahmoud Nour Ali

1 13:20-13:30

The Impact of Hard Structures on Wave System and Sea Currents.
Basma Sayed, A.S. Koraim; Tarek H. Nassrallah; Ahmed A. Abdelaziz; Fahmy S. Abdel-haleem

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2	13:30-13:40	Numerical Modeling and Simulation for Enhancing the Thermal Management of Lithium-Ion Battery Based on Phase Change Material. E. F. El Gazar; Youssef M. Bayomy; Abdel-Rahman A. Elnemr; Shinsuke Mori; A. A. Hawwash
3	13:40-13:50	A Deep Q-Learning Approach for Energy-Efficient Pilot Optimization in XL-MIMO Systems. Samar Ali Nassar; Adly Shahat Margany; Esraa Mosleh Ibrahim; Shimaa Sayed Salama
4	13:50-14:00	Transformer-Based Hybrid Beamforming Designs in mm Wave MIMO-OFDM Systems. Basma M. Esam; Mona Z. Saleh; Ashraf Y. Hassan
5	14:00-14:10	Utilizing Fabric Scraps to Design Fashion for Achieving Sustainable Development. Aya Suleiman M. E. Suleiman; Ahmed M. Abdo El-Sheikh; Sherine Saleh El-Din Ali Salem; Ahmed Fahim El-Barbari
	14:10-14:20	Discussion

Session Eight: Topics of Basic Science I

Building No. (A) - A1R2 Hall(VIP) – 2nd floor

Sec-Speakers:

13:00-13:20	Prof. Mohammad Magdy El-Metwally Dean of the Institute of Graduate Studies and Environmental Research, Damanhur University Theoretical and Experimental Biology: The Symbiotic Circle
13:20-13:30	Ms. Ren Lei Master candidate, College of Life Science and Technology, Huazhong Agricultural University (HZAU) Resource Mining and Functional Verification of Bacillus thuringiensis in Egypt

Chairman:

Prof. SUN MING
Prof. Mohammad Magdy El-Metwally
Prof. Eman Youssif Tohamy Elariny
Prof. Radwan Radwan Abou Abbas
Prof. Mervat Gamel Hassan

1	13:30-13:40 (Online)	Nano-Vanillin as a Multifunctional Bioactive Nanomaterial: Anti-Metastatic, Antioxidant, and Antimicrobial Effects via Multi-Target Network Modulation. Ahmed A. E. E. Alboghdady; Mervat G. Hassan; Alaa Elmetwalli; A. Aly A. Aly; Mohamed O. Abdel Monem
2	13:40-13:50 (Online)	Bacterial Arginase Dynamics as a Metabolic Strange Attractor in Renal Homeostasis. Ahella Mohamed; Mervat G. Hassan; Alaa Elmetwalli; A. Aly A. Aly; Mohamed O. Abdel Monem
3	13:50-14:00	Helicobacter pylori Urease Inhibition Using Bimetallic Nanoparticles. Asmaa K. Abdallah; Doaa A. Emam; Mohamed O. Abdel-Monem; Gharieb S. El-Sayyad; Mervat G. Hassan
4	14:00-14:10	Bacterial Isolation from Air and Water with Antibacterial Evaluation. Rana M. Abdelraof; Mervat G. Hassan; Noha Ashry; Ahmed A. Hamed; Mohamed O. Abdel-Monem
5	14:10-14:20 (Online)	Bacterial Production of Collagen Nanoparticles and Their Antimicrobial. Naghm E. Elnohy; Mervat G. Hassan; Mohamed O. Abdel Monem; Ahmed A. Hamed, Mahmoud S.A. Shahin
6	14:20-14:30 (Online)	Detection and Identification of Mycoflora Associated with Some Popular Rice Grains (<i>Oryza sativa</i> L.) in Egypt. Heba, Ismail El-Gendy; Sabah Abu AL-Maaty Ahmed; El-Sayed, M. Embaby; Abeer Faiesal; Mervat G. Hassan
7	14:30-14:40	Detection of Fungi Associated with White and Yellow Corn Grains (<i>Zea mays</i> L.) Doaa M. Abdel-Monem; El-Sayed M. Embaby; Attia A. Attia; Doaa Ali; Mervat G. Hassan



8	14:40-14:50	Selective Antibacterial Activity and In Silico ADME/Toxicity Profiling of Activated Biochar Derived from Water Hyacinth as a Sustainable Antimicrobial Agent. Fatma S. Behery ; Mervat G. Hassan; Dena Z. Khater; Mohamed O. Abdel-Monem; K. M. El-Khatib; Mahmoud S. A. Shahin
9	14:50-15:00 (Online)	Engineering Interfacial Redox Dynamics of Copper Oxide Nanoparticles to Amplify Apoptotic Vulnerability in Triple-Negative Breast Cancer. Mohamed S. A. Abdelfattah ; Mervat G. Hassan; Alaa Elmetwalli; Mohamed O. Abdel Monem; A. Aly A. Aly
10	15:00-15:10 (Online)	Multifunctional Citrate-Stabilized Gold Nanoparticles: Selective Anticancer Activity Coupled with Cardioprotective and Anti-Inflammatory Effects via ROS and Cytokine Modulation. Rania Abdelhamid ; Mervat G. Hassan; Alaa Elmetwalli; A. Aly A. Aly; Mohamed O. Abdel Monem
11	15:10-15:20	Effects of Chemical Synthesized Silver Nanoparticles and X-Ray Radiation on Some Probiotics Bacteria. Mohamed R. Ragab ; Mervat G. Hassan; Amr A. El-Waseif; Mohamed H. Yassin; Mohamed O. Abdel Monem
12	15:20-15:30 (Online)	Isolation and Antimicrobial Screening of Bacteria Associated with the Red Sea Sponges <i>Siphonochalina siphonella</i> and <i>Latrunculia magnifica</i>. Ayed Alshammari , Mervat G. Hassan, Ahmed A. Hamed, Mohamed O. Abdel Monem, A. Aly A. Aly
	15:30-15:50	Discussion

Session Nine: Topics of Basic Science II

Building No. (A) – A1R1 Hall -1st floor

Chairman:		Prof. LI YIBO Prof. Mohamed Ahmed Heikal Prof. Aly Abdel-Maboud Aly Prof. Sabah Abo El-Maaty Ahmed
1	14:10-14:20	BAM-22P Nanoparticles as a Dual-Action Therapeutic: Inhibition of Migration and Induction of Mitochondrial Apoptosis in HT-29 Colorectal Cancer Cells with High Hemocompatibility. Reem I. Hilal ; Mervat G. Hassan; Alaa Elmetwalli; Mohamed O. Abdel Monem1A; Aly A. Aly
2	14:20-14:30	Synthesis and Evaluation of Heterocyclic Cationic Surfactants. Elamira Bahia Hemdan ; Aly A. Aly; Mohamed A. Abo-Ryia; Enas A. Mohamed
3	14:30-14:40	Nanoselenium Provokes Antioxidant and Drug Detoxification Machineries in Hepatic Tissues of Deltamethrin Treated Rats Mona Ragheb ; Areej, A. Yassen; Mahmoud A. Amer
4	14:40-14:50	Multifactorial Experimental Optimization of Polyhydroxybutyrate Production from Bacillus sp. Using Taguchi Design. Reem H. Abd El Gawad ; Mervat G. Hassan; Neveen M. El-Metwally; Amr A. El-Waseif; Mohamed O. Abdel Monem
5	14:50-15:00	Detection of Toxicogenic Fungi Associated with Some Infant and Young Children's Food in Egypt. Malak E. Nour Eldeen ; Mohamed O. Abdel Monem; Embaby E. M.; Samira Said Mikky; Mervat G. Hassan
6	15:00-15:10	Isolation and Identification of the Mycotoxigenic Fungi Associated with Peanut Seed (<i>Arachis hypogaea</i> L.) Samples. Aya Gamal ; Sabah Ahmed; El-Sayed Mohamed Embaby; Abeer Faiesal; Mervat G. Hassan
7	15:10-15:20	Biogenic Selenium-Doped Carbon Quantum Dots as a Redox-Modulating Theranostic Platform for Selective TNBC Cytotoxicity and MDR Biofilm Disruption. Mohannad A. Abuelela ; Mervat G. Hassan; Alaa Elmetwalli; Mohamed O. Abdel Monem; A. Aly A. Aly

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8	15:20-15:30	Phenotypic and Antibiotic Resistance Profiles of Clinical Bacterial Isolates from Egyptian Hospitals. Aya M. Abdelshafy ; Mervat G. Hassan; Mohamed O. Abdel Monem; Radwa M. Fahmy; Mohamed H. Yassin
9	15:30-15:40	Frequency-dependent Inactivation of <i>Escherichia coli</i> by Microwave Radiation. Omayma M. Emara ; Mahmoud S. A. Shahin; Mervat G. Hassan; Diana S. Raei; Mohamed O. Abdel Monem
10	15:40-15:50	Preparation, Study and Optical ZnS nanoparticles for Magnesium Batteries. Mariam T. El-khodary ; Eslam Sheha; Ayman Awad Ali
11	15:50-16:00	Larvicidal, Biochemical, and Histopathological Effects of <i>Trigonella foenum-graecum</i> and <i>Vitis vinifera</i> Seed Oils Against <i>Culex pipiens</i> (Diptera: Culicidae). Manar M. Emara ; Nancy M. El-Shourbagy; Shaimaa M. Farag; Mohamed Baioumy; Abba D. Abdel-Meguid
	16:10-16:20	Discussion

POSTER: Topics of Basic Science III

Building No. (A) - 1st floor

Chairman:

Prof. SUN MING

Prof. Eman Youssif Tohamy Elariny

Prof. Mohamed Abd-Rahman Mousa Abo-Riya

1		Nano-vanillin as a Multifunctional Bioactive Nanomaterial: Enhanced Antioxidant, Antimicrobial, and Anti-biofilm Efficacy with Controlled Cytotoxicity. Ahmed A. E. E. Alboghdady ; Mervat G. Hassan; Alaa Elmetwalli; A. Aly A. Aly; Mohamed O. Abdel Monem
2		Beyond Nitrogen Metabolism: Functional and Regulatory Dimensions of Bacterial Ure hydrolase Arginase in Renal Systems. Ahella Mohamed ; Mervat G. Hassan; Alaa Elmetwalli; A. Aly A. Aly; Mohamed O. Abdel Monem
3		Preparation of Collagen Nanoparticles by Bacteria with Antioxidant. Nagham E. Elnohy ; Mervat G. Hassan; Mohamed O. Abdel Monem; Ahmed A. Hamed; Mahmoud S.A. Shahin
4		Isolation of Soil Bacteria and Their Antibacterial Activity. Rana M. Abdelraof ; Mervat G. Hassan; Noha Ashry; Ahmed A. Hamed; Mohamed O. Abdel-Monem
5	16:00-17:00	Engineering Zwitterionic Copper Oxide Nanoparticles to Enhance Selective Cytotoxicity Against Triple-Negative Breast Cancer. Mohamed S. A. Abdelfattah ; Mervat G. Hassan; Alaa Elmetwalli; A. Aly A. Aly; Mohamed O. Abdel Monem.
6		Anticancer Activity of Citrate-Stabilized Gold Nanoparticles Coupled with Cardioprotective Outcomes through Apoptosis Pathway Regulation. Rania Abdelhamid ; Mervat G. Hassan; Alaa Elmetwalli; A. Aly A. Aly; Mohamed O. Abdel Monem
7		Time-Dependent Enhancement of BAM-22P Cytotoxicity in HT-29 Colon Cancer Cells: IC₅₀ Dynamics and Dose-Response Analysis. Reem I. Hilal ; Mervat G. Hassan; Alaa Elmetwalli; A. Aly A. Aly; Mohamed O. Abdel Monem
8		Marine Bacterial Production of Nanoparticles and Assessment of their Antioxidant Activity. Al Shaimaa M.A. Sleem ; Ahmed A. Hamed; Mohamed O. Abdel Monem; Sabah, A. Abo El-Maaty; Mervat G. Hassan
9		Bioprospecting of Red Sea-Derived Bacteria from <i>Thalassia hemprichii</i> and <i>Crella cyathophora</i> for Potent Antibacterial Metabolites. Ayed Alshammari ; Mervat G. Hassan; Ahmed A. Hamed; A. Aly A. Aly; Mohamed O. Abdel Monem



10	Biogenic Selenium-Doped Carbon Quantum Dots as Redox-Engineered Nanotherapeutics: Inducing Mitochondrial Apoptosis in Liver Cancer and Disrupting Fungal Biofilms. Mohannad A. Abuelela; Mervat G. Hassan; Alaa Elmetwalli; A. Aly A. Aly; Mohamed O. Abdel Monem
11	Antibiotic Resistance Patterns and Characterization of Nosocomial Bacterial Isolates in Menoufia, Qalubiya, and Behira Governorate, Egypt. Aya M. Abdelshafy; Mervat G. Hassan, Mohamed O. Abdel Monem; Radwa M. Fahmy; Mohamed H. Yassin
12	Biosynthesis of Nanoparticles by Marine-Derived Bacteria and Their Biological Evaluation. Al Shaimaa M.A. Sleem; Ahmed A. Hamed; Mohamed O. Abdel Monem; Sabah A. Abo El-Maaty; Mervat G. Hassan

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

Building No. (B) - B0H0 Hall-1st floor

Chairman:		Prof. Mohamed Gmal El-Din El – Ashhab Prof. Nermin Adely Mahmoud Prof. Hanan H. Sabery
1	13:00-13:10	Diagnostic and Prognostic Significance of Circulating hsa_circ_0001445 in Patients with Coronary Heart Disease. Manar Gad Abd EL Razik G. EL Barbary; Adel Farag El Kholy; Mamdouh Z. Abadeer; Doaa Abd Al-Aziz Mohamed, Nashwa El-Sayed Ahmed
2	13:10-13:20	Irisin In Psoriasis and Relation to Disease Severity. Aliaa Mohammed Ibrahim, Shymaa Mostafa M. Rezk, Yassmen M. Marie, Adel Ali Ibrahim
3	13:20-13:30	Right Ventricular Speckle Tracking Echocardiography to Predict Short Term Mortality after Acute Pulmonary Embolism. Ahmed Magdy M. Abd Elmaqsud; Haidy M. Mashhour; Safaa S. Emam; Al-Shimaa Mohamed Sabry
4	13:30-13:40	Role of Cellular Communication Network Factor 3 in knee osteoarthritis Asmaa S. Yasin; Sahar S. Ganeb; Nashwa E. Ahmed; Arwa S. Amer
5	13:40-13:50	Endoscopic Medial Maxillectomy for Sinonasal Inverted Papilloma: Evolution Toward Anatomy Preserving Techniques. Kholoud M. Hassan; Alaa M. Abdelsamie; Hossam M. Abdelazeem
6	13:50-14:00	Retinoid Acid-Related Orphan Receptor Alpha (RORα) Serum Level and Gene Polymorphism in Acne Vulgaris Patients. Bousi Elnady M. Yousef; Ahmed M. Hamed; Naglaa F. Alhousseini; Hanan H. Sabry
	14:00-14:10	Discussion
Sec-Speakers:		
	14:20-14:40 (Online)	Prof. YE Zhewei Chief Physician and President of the Wuhan Institute of Intelligent Medicine, Huazhong University of Science and Technology (HUST) AI-Enabled Medical Practices and Exploration
Chairman:		
Prof. Mostafa Soliman El-Kady Prof. Mahmoud Abd El-Sabour Mahmoud Prof. Yosery El- Saeed Rizk Prof. Eman Moustafa Sanad		
7	14:40-14:50	Role of the NLRP3 Inflammasome and Its Genetic Polymorphisms in Varicocele-Associated Male Infertility: A Narrative Review. Eman Azmy A. El- Tesh; Samy Hanafy Mohamed; Nehad Ahmed F. Abdelwahed; Karem Taha I. Khalil

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8	14:50-15:00	Evaluating the Efficacy of Hematological and Chemical Inflammatory Biomarkers as Predictors of Psoriasis Improvement: A Narrative Review. Amira M. Agha; Menha A. Ibrahim; Hamasat A. Abdel-Khalik; Shymaa M. Rezk
9	15:00-15:10	Effectiveness and Safety of Exosome versus Platelet Rich Plasma in Treatment of Male Androgenetic Alopecia: A Narrative Review. Proosha W. Fatah; Hanan H. Sabry; Karem T. Khalil
10	15:10-15:20	Cardiogenic Shock: Contemporary Diagnostic and Imaging Approaches. Mohamed Ezzat Farid; Ahmed Bendary; Karim Hamed Ali; Mohamed Magdy Anwar
11	15:20-15:30	Aloe Vera Uses in Dermatology. Rehab R. Abd El Khaleq; Essam M. Elsayed Akl; Prof. Amany N. Abd El Hady; Nader N. Nazmy
12	15:30-15:40	Platelet Rich Plasma Injection and Hyaluronic Acid Vaginal Ovules in The Treatment of Menopausal Vulvovaginal Atrophy: A Comprehensive Evidence Review. Walaa Mohamed Abdel Moniem; Samy Hanafy Mohamed; Aziza Ali Negm; karem Taha Khalil
	15:40-15:50	Discussion

POSTER: Topics of Health & Clinical Science II (Medicine)

Building No. (B)- 1st floor

Chairman:

Prof. Hesham Khaled Rashed.
Prof. Awad Ali Mohamed Elabd
Prof. Ahmed Mostafa Abd El-Hamid

1		Foam Sclerotherapy Versus ND: YAG Laser in the Treatment of Telangiectasias and Spider Veins. Hager Helmy S. Mohamed; Amany I. Mustafa; Ayman M. Abdel Mofeed; Karem T. Ibrahim Khalil
2	16:00-17:00	Role of Prostaglandin F2 Alpha in Vitiligo: A Narrative Review. Asmaa I. Mzdad; Shymaa M. Mostafa; Essam M. El-sayed
3		Efficacy of Microneedling Combined with Topical Sildenafil 1% Versus Topical Minoxidil 5% in the Treatment of Androgenetic Alopecia. Fatma A. Aglan, Nancy W. Mikhae; Shymaa M. Rezk
4		Association between Toll Like Receptor- 7 Gene Polymorphism and Alopecia Areata: A narrative review. Esraa E. Gaballah; Osama H. AL-kady; Amira M. Abdelrahman; Karem T. Khalil
5		Treatment of Melasma: A narrative review Hala Ibrahim A. Hassan; Shimaa M. M. Rezk; Salwa A. Zein El Abdeen Ahmed; Sherine H. Abd El Rahman.
6		Evidence-Based Phototherapy for Vitiligo: A Comprehensive Review. Heba Osama Hassan; Nader N. Nazmy; Ihab Younis Abdallah; Dina Fawzy El-Yasergy
7		Tranexamic Acid versus Metformin in the Treatment of Melasma. Sherine H. Abd El Rahman; Shimaa M. M. Rezk; Salwa A. Zein El Abdeen Ahmed; Hala Ibrahim A. Hassan
8		Assessment of Glucocorticoid Receptor Gene Polymorphism in Alopecia Areata: A narrative review Ahmed Mohammed Hamed, Karem T. Ibrahim Khalil, Rasha A. Elsayed Aly, Asmaa A. Ahmed
	17.00	Lunch break
	17.30	Conference Closing Ceremony



Day Two 6th May 2026

5th Annual Student Conference On Applied Sciences

المؤتمر الطلابي الخامس للعلوم التطبيقية بجامعة بنها

Time	Event
9:00-9:30	Registration
9:30-10:00	Welcome & Opening Ceremony
	Prof. Khalid Easawi Coordinator of the student conference
	Prof. Gehan A. Mousa Vice-President of Benha University
	Prof. Nasser El-Gizawy President of Benha University
Plenary Session:	
Chairman:	
<p>Prof. Nasser El-Gizawy Prof. Gehan A. Mousa Prof. Khalid Easawi</p>	
1	<p>10:00-10:30</p> <p>Mr. Tarek Eldesokiy Speech Title: " أهمية الدراما في بناء الوعي والانتماء للوطن "</p>
2	<p>10:30-11:00</p> <p>Mr. Mohamed Abdullah Captain – Alahay Club Speech Title " دور الرياضة في بناء الانسان "</p>
3	<p>11:00- 11:30</p> <p>Eng. Mohamed Zahran Expert in digital transformation Speech Title " Cyberscurity "</p>
4	<p>11:30-11:50</p> <p>Success Story Mohamed Elzoka "العباقره"</p>
5	<p>11:50- 12:00</p> <p>Success Story Basmala Mansor Mohamed بطلة الجمهورية في الكيك بوكسينج</p>
Session Two: Undergraduate Poster	
12:00- 12:30	Undergraduate Papers and Research
12:30-12:45	Honoring Kenate Speakers & scc& papr
12:45-1:00	Break
Session Three: Undergraduate Poster	
1:00 -1:30	Poster Judgment
1.30-1.45	(Awards Announcement & Closing Ceremony)

المؤتمر السنوي الخامس للدراسات العليا في العلوم التطبيقية

العلوم التطبيقية في خدمة مستقبل ذكي وصحي ومستدام

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