



The University of Bahrain Undergraduate Research and Innovation Conference 2026

8th April 2026

Online Conference 



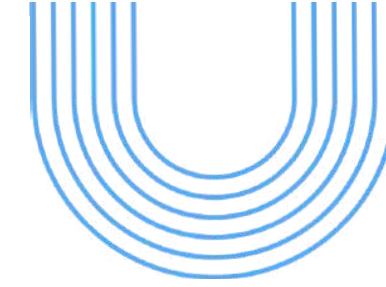
<https://ugric.uob.edu.bh/>

INTRODUCTION

The Undergraduate Research and Innovation Conference 2026, organized by the Deanship of Graduate Studies and Scientific Research, is a strategic initiative implemented to foster a culture of research and innovation among undergraduate students. It provides a dynamic platform for students to present their research, engage in scholarly dialogue, and connect with peers and experts across various disciplines.

This conference aims to empower the students from the University of Bahrain and other local academic institutions by encouraging them to practice scientific inquiry and innovative thinking. It welcomes participation from all academic fields—including STEM, Social Sciences, and Humanities—to facilitate interdisciplinary collaboration.

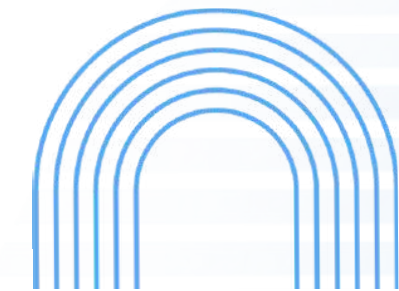
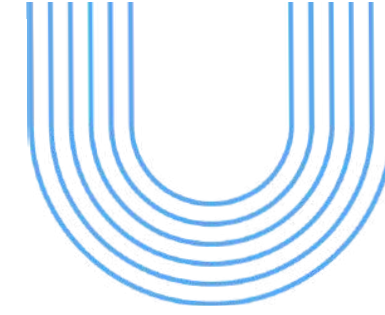
By showcasing their work, students will not only enhance their research capabilities but also gain exposure to diverse perspectives, build academic networks, and contribute to the broader goal of cultivating a research-driven academic environment. Ultimately, this initiative supports the development of a new generation of researchers and innovators who are equipped to contribute meaningfully to scientific advancement and societal development.



CONFERENCE GOALS

The conference aims to achieve the following goals:

- Inspires and supports undergraduate students in conducting original research and innovative projects.
- Strengthens the culture of scientific inquiry and innovation within the undergraduate community.
- Offers a platform for students to present and discuss their work with peers, faculty, and professionals.
- Fosters interdisciplinary collaboration and communication among students from various colleges and institutions.
- Contributes to the advancement of knowledge and promotes partnerships between academia and the wider community.



TRACKS

The conference will feature nine thematic tracks, each is aligned with the major academic disciplines (colleges) at the University of Bahrain



Engineering track

Innovative Engineering Solutions and Built Environments for a Sustainable Future



Science track

Exploring the Frontiers of Science for the Benefit of Humanity



Information Technology track

ICT for Innovation and Productivity Across Industries



Business track

Business Innovation and Emerging Trends



Arts & Social Sciences track

Creativity and Innovation in Arts and Society



Legal Studies track

Innovative Legal Frameworks for a Just and Equitable Society



Health & Sport Sciences track

Advancing Health and Wellness Through Research and Innovation



Applied Studies track

Applied Research for Real-World Impact



Bahrain Teachers' College track

Innovative Teaching and Learning for a Better Future



COMMITTEES



Conference Chairperson
Dr. Fuad Mohammed Al-Ansari
President of the University of Bahrain

Steering Committee



Dr. Hessa Jassim Al-Junaid



Dr. Athraa S. Abbas Al-Mosawi



Dr. Haifa Ebrahim Al-Khalifa



Dr. Leena Mahammad Khonji



Dr. Lucy Bailey



Dr. Salah Mohammed Ahmed



Dr. Abdulla Khaldi Al-Jalahma



Dr. Mazin Mohammed Ali



Dr. Dheya Al Kaaby



Dr. Ali Salaman Ali Bin Thani



Dr. Hussain Al Arayedh



Organizing Committee



Chair: Dr. Hayat Abdulla Yusuf



Dr. Mohammed Larbi Labbi



Dr. Dalia Shamsuldin



Dr. Moza Isa Al Doy



Dr. Mariam Khalid Buqahoos



Dr. Toqa Jameel Abbas Busebaia



Dr. Ghadeer Ismail Mohammed



Dr. Hasan Mohsin Alwadi



Dr. Karim Ben Yahia



Dr. Usman Bashir



Publication Committee



Chair: Dr. Zohour Ibrahim Rashwan



Prof. Sami Omar



Dr. S. M. Zakir Hossain



Dr. Ranya Abdul Majeed Baqer Hasan



Dr. Manal Mohamed ALSayed



Dr. Ali Hussain Zolait



Dr. Osama Mahdi Almahdi



Dr. Parween Redha Ebrahim



Dr. Soleman Mozammel



Dr. Mukesh Kumar



Scientific Committee



Chair: Dr. Hala Mohammed Hatoum



Dr. Reem Abbas Sultan



Dr. Amani Sayed Alhalwachi



Dr. El haysam Omar Selim



Dr. Mustafa Omer



Dr. Ehab Juma Adwan



Dr. Faten Saad Mahmoud



Dr. Zafrul Allam



Dr. Sumathi Kumaraswamy



KEYNOTE SPEAKER



Dr. Abdulla Isa Alabbasi

Dr. Abdulla Isa Alabbasi is a leading expert in sustainability, energy transition, and AI-driven energy systems, with extensive experience across industry, research, policy development, and strategic implementation. He serves as Director of the Energy and Environmental Studies Program at the Bahrain Center for Strategic, International, and Energy Studies (Derasat), where he leads work on renewable energy integration, climate policy, grid modernization, and decarbonization strategies.

He is the founder of Bahrain's first Artificial Intelligence Renewable Energy (AIRE) Laboratory, a pioneering initiative that applies advanced digital tools and analytics to support energy innovation, infrastructure resilience, and evidence-based policymaking. The lab provides decision-makers with data-driven insights to accelerate the energy transition and align national strategies with global climate objectives.

Dr. Alabbasi has also led and contributed to several international research initiatives in collaboration with organizations such as the United Nations Development Programme (UNDP), universities, and global think tanks. His work reflects a multidisciplinary approach that integrates technology, sustainability, and policy to address the challenges of the global energy transition.



KEYNOTE SPEAKER



Eng. Aysha Alharam

Aysha Alharam is the Chief of the Satellite Department at the Bahrain Space Agency, where she leads national satellite programmes and oversees the development and operation of space missions that support environmental monitoring, innovation, and national development. She has played a central role in managing Bahrain's flagship satellite projects and advancing the Kingdom's capabilities in satellite systems, ground infrastructure, and space data applications.

With a strong background in space systems engineering, Aysha has contributed to international collaborations and represents Bahrain in regional and global space forums. Her work focuses on leveraging satellite technologies to address national priorities, enhance sustainability, and strengthen technological resilience.

She is a member of the Youth Empowerment Committee across both the public and private sectors, contributing to national initiatives that support young leaders and future innovators. Since 2014, she has published more than 55 peer-reviewed scientific papers in the fields of space systems and advanced technologies.

Beyond her technical leadership, Aysha is deeply committed to capacity building and inspiring university students to pursue careers in space, engineering, and emerging technologies.





Conference Program برنامج المؤتمر

Time*	Link: 
9:00 - 9:05	Welcome Note
9:05 - 9:15	Welcome Speech by His Excellency the President of the University of Bahrain, Dr. Fuad Al-Ansari
9:15 - 9:25	Welcome Speech by the Deanship of the Graduate Studies and Scientific Research, by Dr. Athraa Al Mosawi
9:25 - 9:35	Video Presentation: The Deanship of the Graduate Studies and Scientific Research
9:35 - 10:00	Keynote Speaker 1: Dr. Abdulla Isa Alabbasi
10:00 - 10:25	Keynote Speaker 2: Eng. Aysha Alharam
10:25 - 10:40	“Q&A”
10:40 - 11:00	Break
11:00 - 11:10	Transfer to Parallel Sessions on Microsoft Teams
11:10 - 11:20	College's Dean Speech



11:20 - 13:00

Parallel Session A

*10 min each presentation + Chairs's discussion and feedback

Parallel Session A- 1: Theme: **(Applied Studies)** Session Chairs: Dr. Hala Mohammed Hatoum, Dr. Hasan Mohsin Alwadi

Parallel Session A- 2: Theme: **(Business)** Session Chairs: Dr. Mukesh Kumar, Dr. Sumathi Kumaraswamy

Parallel Session A- 3: Theme: **(Information Technology)** Session Chairs: Dr. Ali Hussain Zolait , Dr. Zafrul Allam

Parallel Session A- 4: Theme: **(Arts and Social Sciences)** Session Chairs: Dr. Usman Bashir, Dr. Amani Alhalwachi

Parallel Session A- 5: Theme: **(Engineering)** Session Chairs: Dr. Reem Abbas Sultan, Dr. S.M. Zakir Hossain

Parallel Session A- 6: Theme: **(Health and Sports Sciences)** Session Chairs: Dr. Karim Ben Yahya, Dr. Mustafa Omer

Parallel Session A- 7: Theme: **(Science)** Session Chairs: Prof. Sami Omar, Dr. Mohammed Larbi Labbi

Parallel Session A- 8: Theme: **(Legal Studies)** Session Chairs: Dr. Manal Mohamed AlSayed, Dr. Osama Mahdi Al-Mahdi

13:20 -15:10

Parallel Session B

Parallel Session B- 1: Theme: **(Engineering)** Session Chairs: Prof. Sami Omar, Dr. Ali Hussain Zolait

Parallel Session B- 2: Theme: **(Arts and Social Sciences)** Session Chairs: Dr. Osama Mahdi Almahdi, Dr. Sumathi Kumaraswamy

Parallel Session B- 3: Theme: **(Health and Sports Sciences)** Session Chairs: Dr. Mustafa Omer, Dr. Zohour Ibrahim Rashwan



15:20 - 17:10

Parallel Session C

Parallel Session C- 1: Theme: **(Arts and Social Sciences)** Session Chairs: Dr. Parween Ebrahim, Dr. Zafrul Allam

Parallel Session C- 2: Theme: **(Engineering)** Session Chairs: Dr. Mukesh Kumar, Dr. S.M. Zakir Hossain

Parallel Session C- 3: Theme: **(Health and Sports Sciences)** Session Chairs: Dr. Faten Saad Mahmood, Dr. Toqa Jameel Abbas Busebaia


17:10 - 17:20

Conference Closing Remarks




Parallel Sessions Details


Parallel Session A

No.	Paper No.	Session A- 1: Theme: (Applied Studies)	Session Chairs: Dr. Hala Mohammed Hatoum Dr. Hasan Mohsin Alwadi	11:10 - 13:00 Room Link: 
		Title	Author	Time
		College's Dean Speech	Dr. Hussain Al Arayedh	11:10 - 11:20
1	(23)	Valorization of Anode Carbon Dust into Sustainable Fuel Developed Research	Fatema Hasan Ali Alaradi	11:20-11:30
2	(28)	Criminal Evidence of Cybercrime Developed Research	Eman Mazin Jaleel Ali	11:30-11:40
3	(33)	The Impact of Using AI-Powered Chatbots on Customer Service and Institutional Reputation at Gulf University: The Maryam Chatbot as a Case Study Through the Lens of Technology Acceptance Theory Developed Research	Zeyad Abd El-Hakeem Kareem Mohamed Abdelhafiz	11:40-11:50
4	(37)	Analyzing the Role of Sports Media in Shaping Public Opinion About Video Assistant Referee (VAR) Technology and Its Impact on Refereeing Fairness in Light of the Uses and Gratifications Theory Developed Research	Zeyad Basel Sultan Kareem Mohamed Abdelhafiz	11:50-12:00
5	(130)	An Exploration of Pronunciation Errors Among Bilingual Arabic-English Children (Ages 5-7) Developed Research	Maram Sayed Falah Hashem Abdulla	12:00-12:10
		Feedback		12:10-12:30



No.	Paper No.	Session A- 2: Theme: (Business)	Session Chairs: Dr. Mukesh Kumar Dr. Sumathi Kumaraswamy	11:10 -13:00 Room Link: 
		Title	Author	Time
		College's Dean Speech	Dr. Abdulla Khalid Al-Jalahma	11:10 - 11:20
1	(3)	Privacy Concerns in Artificial Intelligence Marketing: A Study of Consumer Trust Preliminary Research	Mariam Khaled	11:20-11:30
2	(5)	Forecasting Brent Crude Oil Prices Using Monte Carlo Simulations and Prophet Models Developed Research	Mustafa Jaffer Ali Al-Annan, Ali Ebrahim Ali Buhmaid and Shrikant Krupasinthu Panigrahi	11:30-11:40
3	(6)	Forecasting Silver Price Using Monte Carlo Simulations and Prophet Models Developed Research	Hawraa Zahi Merza, Shrikant Krupasinthu Panigrahi, Zahra Nader Ali and Zainab Mohammed Mahdi	11:40-11:50
4	(49)	Creativity, Creativity Characteristics, Creativity Obstacles, Stimulants of Creativity Developed Research	Maoredj Houari	11:50-12:00
5	(80)	How AI and Machine Learning are Changing Marketing: A 25-Year Research Review Developed Research	Tamer M. Alkadsh, Zainab Fatima Abbas, Dana Abdelhakim Ahmad Abuhajir and Khalid Jaafar Mohamed Hewaishel Almesaideen	12:00-12:10
6	(81)	From Data to Personalization: A Basic Model of AI-Driven Customer Journeys Developed Research	Abu Bashar, Nooran Osama Fadel Alkailani, Tasneem Nasr Sabri Nasr Nasruldin, Taif Hasan Mohamed Hasan Ali and Shahn Muhammad Mohamed Abdulaziz Isa Shehab	12:10-12:20
Feedback				12:20-12:30



No.	Paper No.	Session A- 3: Theme: (Information Technology)	Session Chairs: Dr. Ali Hussain Zolait Dr. Zafrul Allam	11:10 -13:00 Room Link: 
		Title	Author	Time
		College's Dean Speech	Dr. Mazin Mohammed Ali	11:10 - 11:20
1	(8)	Investigating the Impact of Project Governance on Project Outcomes in CyberCrest Consulting: A Single-Case Study Developed Research	Sultan Sameea Salman Sameea	11:20-11:30
2	(9)	The Relation Between Academic Workload and Students' Mental Pressure in the University of Bahrain and Polytechnic University: A Data Mining Approach Developed Research	Sultan Sameea, Salman Sameea and Fajer Alkoheji	11:30-11:40
3	(16)	National Bank of Bahrain (NBB) Conceptual Report for Implementation of Service-Oriented Architecture-Based Business Intelligence (SOA-BI) Developed Research	Sultan Sameea, Salman Sameea, Salman Sabah, Mohammed Duaij Binzaiman, Sayed Mansoor Majed & Abdulrahman Alaa Abdulla	11:40-11:50
4	(21)	Technology-Assisted Home Rehabilitation for Post-Stroke Motor Recovery Developed Research	Kenzy Walid Seror & Ali Elshaarawy Ali Prof.Dr. Mohamed Saeed Abdelghafaar	11:50-12:00
5	(59)	Strategic Information Systems Planning: Awareness and Practical Considerations in the Kingdom of Bahrain Developed Research	Salman Qasim Bungash	12:00-12:10
6	(122)	Evaluating AI Text Detection Accuracy: An Empirical Analysis of False Positives, False Negatives, and Implications for Academic Integrity Policy Developed Research	Hussian Shamlooh	12:10-12:20
Feedback				12:20-12:30




No.	Paper No.	Session A- 4: Theme: (Arts and Social Sciences)	Session Chairs: Dr. Usman Bashir Dr. Amani Alhalwachi	11:10 -13:00 Room Link: 
		Title	Author	Time
		College's Dean Speech	Dr. Dheya Al Kaaby	11:10 - 11:20
1	(1)	Parallel Pathways or Divergent Trajectories? A Comparative Analysis of Language Acquisition in Young Children and African Grey Parrots (<i>Psittacus Erithacus</i>) Developed Research	Fatema Mohamed Jawad	11:20-11:30
2	(11)	Speaking is Physical: The Role of the Human Body in Speech Production Preliminary Research	Zainab Ghazi Yusuf Hassan Isa Alqssab	11:30-11:40
3	(14)	Analytical Study: The Influence of the Dilmun Civilization on the Development of Contemporary Arts in the Kingdom of Bahrain Preliminary Research	Malak Alawi, Zahraa Sayed Hashem, Khadija Abdulla Isa, Maryam Jaffer Isa and Amna Hasan Ali	11:40-11:50
4	(17)	Political Events in Ancient Egypt During the Second Intermediate Period Recently Published Research	Asma Qasim Yafai	11:50-12:00
5	(26)	The Role of Communication Methods in Ministries and Government Agencies in Reducing the Digital Gap Among Bahraini Youth: Ministry of Youth Affairs as a Model Preliminary Research	Hawra Alqari, Fatima Hasan Salman, Shoug Yousef Al Ahmed & Mariam Khalid Darweesh	12:00-12:10
6	(27)	The Hamdanid Emirate in Aleppo: Its Origins and Legacy (333-394 AH / 944-1004 AD) a Historical Study Preliminary Research	Muntadher Mahdi	12:10-12:20
7	(31)	The Social Life of Granada in the Book Al-Ihāta Fī Akhbār Gharnāta Preliminary Research	Dina Aktham	12:20-12:30
8	(32)	The Impact of Artificial Intelligence on the Desire of Gulf University Students for Traditional Reading and Research in Light of the Uses and Gratifications Theory Developed Research	Ayah El-Hail Kareem Mohamed Abdelhafiz	12:30-12:40
		Feedback		12:40-12:50



No.	Paper No.	Session A- 5: Theme: (Engineering)	Session Chairs: Dr. Reem Abbas Sultan Dr. S.M. Zakir Hossain	11:10 -13:10 Room Link:
		Title	Author	Time
		College's Dean Speech	Dr. Haifa Ebrahim Al-Khalifa	11:10 - 11:20
1	(2)	Algorithmic Architecture: Parametric Modelling of Mashrabiya Patterns Using Python Developed Research	Sumayya Choudhary	11:20-11:30
2	(7)	Bahrain Innovation and Entrepreneurship Hub: A Research-Driven Architectural Approach to Foster Youth-Centered Innovation Developed Research	Maryam Matoonq	11:30-11:40
3	(18)	Rehabilitation and Awareness Complex for Multiple Sclerosis and the Mobility Challenged Preliminary Research	Sara Khalid Alabbasi	11:40-11:50
4	(19)	Safety Challenges and Risk Assessment of Hydrogen and Ammonia Storage on Marine Vessels Recently Published Research	Hesa Aldhefairy	11:50-12:00
5	(25)	The Craftswomen Center Preliminary Research	Tasneem Alsaifar	12:00-12:10
6	(44)	Design and Implementation of an IoT-Based Smart Automated Drug Injection System with Real-Time Safety Monitoring Developed Research	Hasan Reyadh and Mohamed Ali Hudi	12:10-12:20
7	(45)	Bahrain Mixed-Use Metro Station Preliminary Research	Alanood Fuad Fahad Alatwaan	12:20-12:30
8	(65)	Comparative Analysis of Conventional and AI-Assisted QFD for Smart Reusable Water Bottle Developed Research	Mohammed Ahmed Abbas Sultan, Ali Ebrahim, Abdulaziz Salah, Ali Osama and Venu Parameswaranpillai	12:30-12:40
9	(76)	Reducing Energy Demand in High-Rise Buildings: Integrating Passive Design and Solar Energy in Almoayyed Tower, Bahrain Preliminary Research	Raneem Sabri	12:40-12:50
10	(83)	Development of a Bio-Based Antimicrobial Finish for Textiles Through the Extraction of Essential Oils of Herbs Preliminary Research	Hannah Yzabelle Aranjuez Imsan, Yara Nezar Othman Alkhidir and Rahaf Mohamed Salem	12:50-13:00
		Feedback		13:00-13:10




No.	Paper No.	Session A- 6: Theme: (Health and Sports Sciences)	Session Chairs: Dr. Karim Ben Yahya Dr. Mustafa Omer	11:10 -13:00 Room Link: 
		Title	Author	Time
		College's Dean Speech	Dr. Leena Mahammad Khonji	11:10 - 11:20
1	(10)	EL-MOSTAWSAF AI-Powered Smart Hospital System with Wearable Integration <i>Developed Research</i>	Abdulahman Tarek Salah	11:20-11:30
2	(13)	Association Between Perceived Stigma, Mental Burden and Social Isolation Among Bahraini with Sickle Cell Disease: Correlation Study <i>Preliminary Research</i>	Marya Sayed Ebrahim	11:30-11:40
3	(20)	Prevalence, Knowledge, and Attitudes of Bahraini Adults Towards Marjoram for the Treatment of Pain and Other Diseases: A Cross-Sectional Study <i>Developed Research</i>	Sally Al Khalidiy, Amani Ali, Maha Elghonemi, Hadil Ahmad, Kaltham Altahmazi, Fatimah Aljasir & Adnan Bekhit	11:40-11:50
4	(22)	Correlation Between Medication Adherence and Health Related Quality of Life Among Adult Patients with Hypertension <i>Preliminary Research</i>	Jood Sayed Fadhel Abbas, Rawan Anwar Mohammed, Tahera Ali Abdul Hussian, Zahra Merza Salman Ali and Zainab Merza Ahmed	11:50-12:00
5	(29)	The Potential of Genetically Engineered Escherichia Coli in Type 1 Diabetes Treatment: A Systematic Review <i>Preliminary Research</i>	Basma Al Saad, Naeem Anwar and Maryam Khalil E. Jasim	12:00-12:10
6	(30)	Prevention Strategies for Respiratory Syncytial Virus (RSV) in Infants: A Systematic Review and Meta-Analysis <i>Preliminary Research</i>	Zainab Arafat Alaradi, Fatima Esam Janahi, Huda Mohammad Shakeel, Lulwa Mohammed Abdulla and Shahd Youisf Hasan	12:10-12:20
7	(38)	The Role of Public Awareness in Preserving Forensic Evidence: A Study in Bahrain <i>Developed Research</i>	Ruqaya Habib Jaleel Dashti	12:20-12:30
8	(39)	Assessing the Accuracy of ChatGPT in Microscopy-Based Medical Laboratory Image Interpretation <i>Preliminary Research</i>	Ghadeer Anwar Abdulhusain, Maryam Yaser Sarhan, Ali Hussain Abdulnabi, Kawthar Majeed Ramadhan and Noor Abdulnabi Ghuloom	12:30-12:40
9	(40)	Assessing Awareness of Sexually Transmitted Infections (STIs) Among Adults in Bahraini Population: A Cross-Sectional Survey <i>Recently Published Research</i>	Anfal Manfi	12:40-12:50
10	(42)	Artificial Intelligence in Diagnostic Microbiology: A Systematic Review of Current Applications <i>Preliminary Research</i>	Amna Hussain Fareed Alawadhi, Fatema Ebrahim Ahmed Laith, Hawra Hanani Maki Meftah, Noor Mohamed Ebrahim Bujandal, Naeem Anwar	12:50-13:00
		Feedback		13:00-13:10




No.	Paper No.	Session A- 7: Theme: (Science)	Session Chairs: Prof. Sami Omar Dr. Mohammed Larbi Labbi	11:10 -13:00 Room Link: 
		Title	Author	Time
		College's Dean Speech	Dr. Ali Salaman Ali Bin Thani	11:10 - 11:20
1	(4)	Valorization of Mangrove Biomass into Fe ₃ O ₄ Based Magnetic Composite for Efficient Adsorptive Removal of Persistent Organic Pollutant 2,4,6 Trichlorophenol Developed Research	Wadeea Kadhim Hasan	11:20-11:30
2	(12)	A Theoretical Investigation of Basic Light-Matter Interaction: Comparative Analysis of Semiclassical and Fully Quantized Frameworks Developed Research	Jood Abed Araheim and Qurrat-Ul-Ain Gulfam	11:30-11:40
3	(15)	Chitosan and Carboxymethyl Chitosan (CMC)-Coated Magnetite Nanoparticles for Drug Delivery to Cancer Cells Developed Research	Johar Khalifa Alkhalifa and Kheireddine El-Boubbou	11:40-11:50
4	(50)	Assessment of Microplastics in the Gastrointestinal Tract of Wild Penaeus Semisulcatus from Bahraini Coastal Waters Preliminary Research	Manar Abdulkarim Mubarak Abdulaziz	11:50-12:00
5	(53)	Investigating the Presence of Heavy Metals in Bahraini Shrimp: A Study of Mg, Cd, Pb, Cu and as Contaminants Preliminary Research	Zainab Husain	12:00-12:10
6	(73)	Effect of Annealing Temperature on the Structural, Morphological, and Antibacterial Properties of CuNiFe ₂ O ₄ and ZnMgFe ₂ O ₄ Spinel Ferrite Nanoparticles Synthesized by the Sol-Gel Developed Research	Fatima Hani	12:10-12:20
7	(134)	Fabrication of Nonlinear Optical Device Using Food Coloring Dyes Incorporated in Solid Transparent Media Undergraduate Study	Noor Bader Ghayeb	12:20-12:30
8	(106)	Isolation and Identification of Bacteria from Natural and Planted Mangrove (Avicennia Marina) Soils in Bahrain Preliminary Research	Fatema Sayed Omran Fadhul	12:30-12:40
9	(135)	Investigating the Antibacterial Effect of Metallic Nano-Particles Prepared Using Green Chemistry Developed Research	Muntadher Asfoor	12:40-12:50
Feedback				12:50-13:00




No.	Paper No.	Session A- 8: Theme: (Legal Studies)	Session Chairs: Dr. Manal Mohamed AlSayed Dr. Osama Mahdi Al-Mahdi	11:10 -13:00 Room Link: 
		Title	Author	Time
		College's Dean Speech	Dr. Salah Mohammed Ahmed	11:10 - 11:20
1	(24)	Criminal Procedural Aspects in Combating Corruption and the Extent of the Need to Establish a Specialized Court Recently Published Research	Wafiq Modallal	11:20-11:30
2	(60)	Civil Tort Liability Arising from Errors of Robots in Robotic Surgery Developed Research	Zainab Isa	11:30-11:40
3	(107)	Transboundary Environmental Pollution and the Resulting International Responsibility Developed Research	Tofoof Hassan Abdullah	11:40-11:50
4	(117)	Traffic Law and Its Impact on the Protection of Human Rights: A Study of Bahraini Law Recently Published Research	Aysha Ali Shareeda	11:50-12:00
5	(124)	Electronic Plagiarism and Its Impact on Intellectual Property Developed Research	Haya Fadhel	12:00-12:10
6	(129)	Criminal Liability for Surrogacy: A Study in Light of Bahraini Legislation and Comparative Law Developed Research	Zahra Baljeek	12:10-12:20
7	(136)	The Crime of Takhbib (Incitement to Discord) Between Spouses in Islamic Sharia and Law Authors Preliminary Research	Mashaeil Alanzi	12:20-12:30
Feedback				12:30-12:40




Parallel Session B

No.	Paper No.	Session B- 1: Theme: (Engineering)	Session Chairs: Prof. Sami Omar Dr. Ali Hussain Zolait	13:20 -15:10 Room Link: 
		Title	Author	Time
1	(84)	When the Brain Can Talk: Bridging Engineering and Medicine in EEG-Based Brain-Computer Interface Systems <i>Preliminary Research</i>	Shehab Gamal	13:20-13:30
2	(87)	Bahrain National Library and Cultural Center <i>Preliminary Research</i>	Rahaf Hammadi Alhamad	13:30-13:40
3	(88)	V/F Control of Induction Machine Using FPGA ALTERA <i>Developed Research</i>	Mohamed Jaafar Jasim Jasim, Aalaa Firas Sowid Ibrahim, Amin Mohamed Isa Thamer and Mohamed Amine Fnaiech	13:40-13:50
4	(89)	Wireless Inductive Power Transfer System for Residential EV Charging <i>Preliminary Research</i>	Hossameldin Mohamed Ramadan Hussein, Dina Hosny EL nagar, Youssef Sameh and Hager Yasser Ibrahim	13:50-14:00
5	(91)	Thalassa Wellness Centre: Translating Asklepiion Greek Water-Healing Philosophy into a Climate-Responsive Waterfront Architecture in Bahrain <i>Preliminary Research</i>	Rawan Yusuf Alajlan	14:00-14:10
6	(92)	Weaving Tradition with Intelligence: A Framework for Bahrain's Epistemic Architecture <i>Developed Research</i>	Ali Abdulshaheed Mansoor Ebrahim	14:10-14:20
7	(94)	Evidence-Based Redesign of a Governmental Primary School in Bahrain: Programming-Stage Framework for Learning and Environmental Performance <i>Preliminary Research</i>	Maryam Sharif	14:20-14:30
8	(95)	Performance Modeling of a Desiccant Dehumidifier and Transient Analysis of Evaporative Cooling System for a Humid Climate <i>Preliminary Research</i>	Hasan Ebrahim, Abdul Waheed Badar, Ali Hasan Salman and Hassan Mohamed Jaffer Alajmi	14:30-14:40
9	(96)	Modeling, Simulation, and Experimentation of Air Photovoltaic-Thermal (PV-T) Solar Collector for Domestic Applications <i>Preliminary Research</i>	Mohammed Ahmed Abbas Sultan, Hussian Saeed Hussian and Abdul Waheed Badar	14:40-14:50
10	(97)	Enhancing Structural Sustainability and Cost-Efficiency Through Self-Healing Concrete <i>Preliminary Research</i>	Mohammed Mazen	14:50-15:00
Feedback				15:00-15:10




No.	Paper No.	Session B- 2: Theme: (Arts and Social Sciences)	Session Chairs: Dr. Osama Mahdi Almahdi Dr. Sumathi Kumaraswamy	13:20 -15:10 Room Link: 
		Title	Author	Time
1	(34)	Analyzing the Impact of Artificial Intelligence (AI) on Graphic Designers Work-Flow Processes Developed Research	Reda Abdulnabi Alnashaba Kareem Mohamed Abdelhafiz	13:20-13:30
2	(35)	Analyzing the Impact of Turkish TV Series on Social Values and Cultural Behavior Among the Gulf Audience Developed Research	Maryam Khalifa Al-Qatmi Kareem Mohamed Abdelhafiz	13:30-13:40
3	(36)	A Qualitative Study on the Stages of Cinema Development in Saudi Arabia and the Role of Media in Supporting This Development Developed Research	Abdulla Ibrahim M. Alburaiq Kareem Mohamed Abdelhafiz	13:40-13:50
4	(41)	When Cultures Meet: The Influence of Indian Migration and Cinema on Bahraini Arabic Preliminary Research	Noora Isa Alghurair	13:50-14:00
5	(46)	The Pearl Diving Profession and Its Impact on the Peoples of the Arabian Gulf Basin in the 19th Century Recently Published Research	Shaikha Aldoseri	14:00-14:10
6	(47)	External Relations of the Abbasid State During the Reign of Caliph Harun Al-Rashid (170-193 AH / 786-809 CE) Preliminary Research	Batool. Alanzi	14:10-14:20
7	(48)	Italian and German Unification (a Comparative Study) (1848-1871) Developed Research	Sawsan Adnan	14:20-14:30
8	(51)	Egyptian Religious Beliefs and Their Impact on Life in Ancient Egypt Preliminary Research	Zainab yusuf Husain	14:30-14:40
9	(85)	The Effectiveness of Digital Public Relations in Building the Image of Beauty-Sector Business Incubators: A Case Study of NMA Beauty Art Recently Published Research	Aysha Khalid Ali, Batool Khalil Alsaffar, Aysha Abdullah Janahi, Hawraa Hassan Mohammed and Al-Dana Ebrahim Al-Muqahwi	14:40-14:50
10	(86)	Digital Public Relations Strategies in Public and Private Hospitals in the Kingdom of Bahrain: A Descriptive-Analytical Study Preliminary Research	Zahraa Mohammed Moosa	14:50-15:00
Feedback				15:00-15:10




No.	Paper No.	Session B- 3: Theme: (Health and Sports Sciences)	Session Chairs: Dr. Mustafa Omer Dr. Zohour Ibrahim Rashwan	13:20 -15:10 Room Link: 
		Title	Author	Time
1	(43)	Prevalence of Parasitic Infections Among Bahraini Population: A Cross-Sectional Study Preliminary Research	Ayah Adel, Sahar Abdulhadi Radhi, Zahra Jameel Fardan and Naeem Anwar	13:20-13:30
2	(52)	Relationship Between Social Media Use and Sleep Disorders Among Nursing Students in the College of Health & Sport Sciences in Bahrain - a Cross-Sectional Study Preliminary Research	Mariam Abdulnabi Ali, Fatema Mohammed Althawadi, Wadeah Mansoor Al Jamri, Zainab Sayed Ebrahim Majed, Yaqeen Yusuf Jawad and Hanan Hamza Ali	13:30-13:40
3	(54)	The Effectiveness of Play Therapy in Reducing Stress Among Hospitalized Children" Preliminary Research	Marwa Mohammad	13:40-13:50
4	(55)	Beyond Survival: Assessment of Quality of Life Among Patients with Post Traumatic Injury in Bahrain Preliminary Research	Maryam Radhi Sayed Shams Mohsen Mahfooth, Fatima Mohammed Ali A. Alrasool, Zainab Saeed Ali, Shaima Fadhel Ali, S. Abdulla S. Haidar, Abdulla Abdulameer Abdulla, Mahmood Abdulhameed M. Almenow and Ali Hussain Ali Ahmed Aman	13:50-14:00
5	(99)	Assessing G6PD Deficiency Screening in Patients Receiving High-Risk Medications in a Tertiary Hospital in Bahrain: A Retrospective Analysis Developed Research	Shaima Alsir Alhaj Aldehaiban Mohamed, Khadija Mohamed Abdulrazaq Hajjaj, Aseel Nael Abdulla Hammad, Wajd Abdallah Aqeel Eirekebat, Ameena Basheer Gewezzy and Salma Mohamed Abdulhamid Hamad	14:00-14:10



No.	Paper No.	Session B- 3: Theme: (Health and Sports Sciences)	Session Chairs: Dr. Mustafa Omer Dr. Zohour Ibrahim Rashwan	13:20 -15:10 Room Link: 
6	(108)	Real-World Outcomes of Switching from Originator Adalimumab (Humira®) to its Biosimilar (Amjevita®) in Biologic-Naïve Patients Preliminary Research	Jayanthi S.Kotian, Youssef Ahmed Ragab, Reem Ahmed Dusoqi, Ahmed Hassan Abdulrahman, Gawhra Adel Awad, Polina Bosaia and Abdulrahman Awadallah	14:10-14:20
7	(110)	Knowledge, Attitude, and Experience of Bahraini Females Toward Oral Contraceptive Preliminary Research	Reem Awad Juma, Nersean Wael Salman, Fatima Adam, Marwa Najji Qaed Alsharafi, Maha Mohamed Rashed and Eman Mohammed Ali	14:20-14:30
8	(111)	Prevalence of Ocular Lubricants Use for Dry Eye in Bahrain Preliminary Research	Abdulla Wael Farouk Hassan Alyah Abdulla Naser Altooq Eman Bakhit Mohamed Butaita Fatema Jasim Hasan Edhrabooh Khaled Mohammad Ahmed Hamad Mariam Mohammed Abdulkarim Ali Noof Khalifa Dali Farhan Alanazi Adnan A. Bekhit	14:30-14:40
9	(112)	Evaluation of the Antifungal Activity of Fig Leaf (Ficus Carica) Ethanolic Extract Cream Against Candida Albicans Preliminary Research	Sara Abdulrahman Aleid, Ayah Alsaeid, Mohammed Nidal Said and Ali Alhelali, Ramez Gharsali, Fatima Saleh Alhammad	14:40-14:50
10	(114)	Assessment of Heavy Metal Contamination in Matcha Products Preliminary Research	Alaa Ahmed Mohamed Hareem, Shaikha Ali Abdulla Ebrahim, Fatema Mohamed Saleh Khamis, Nawraa Sayed Hameed Naser Husain, Maryam Isa Ahmed Husain, Kawthar Redha Salman and Sherry Tawfiq	14:50-15:00
Feedback				15:00-15:10




Parallel Session C

No.	Paper No.	Session C- 1: Theme: (Arts and Social Sciences)	Session Chairs: Dr. Parween Ebrahim Dr. Zafrul Allam	15:20 -17:10 Room Link: 
		Title	Author	Time
1	(93)	Representations of Violence in Antarah Ibn Shaddad's Poetry Preliminary Research	Zahraa Mansoor	15:20-15:30
2	(125)	One Hundred Years of Solitude: Solipsism and Existentialism as Features of the Boltzmann Brain Preliminary Research	Lulwa Abdulwahed Ebrahim	15:30-15:40
3	(126)	Bahraini Women's Education Under the Reform Initiatives of His Majesty King Hamad Bin Isa Al Khaliifa (1999-2009) Preliminary Research	Maha Yousif Alhamri	15:40-15:50
4	(128)	Finding a Solution for University Students in Bahrain Through an Application Named "Tawseeela" Developed Research	Alya Jaffer Ahmed Salman Radhi, Sara Jassim Alaskafi, Zahraa Adel Alshowaikh, Sara Ebrahim Yahya, Maryam A.Alrasool and Zahraa Ali	15:50-16:00
5	(137)	An Exploration of Pronunciation Errors Among Bilingual Arabic-English Children (Ages 5-7) Developed Research	Maram Sayed Falah Hashim	16:00-16:10
Feedback				16:10-16:20



No.	Paper No.	Session C- 2: Theme: (Engineering)	Session Chairs: Dr. Mukesh Kumar Dr. S.M. Zakir Hossain	15:20 -17:10 Room Link:
		Title	Author	Time
1	(101)	Design and Fabrication of Double Pass Solar Air Heater Preliminary Research	Mohamed Yaseen Mohamed Hubail, Abdul Waheed Badar, Ali Aqeel Ali Mohamed and Mahmood Jasim Abdulla Abbas	15:20-15:30
2	(102)	Synthesis and Application of a Carbon-Supported Iron Catalyst for Efficient Dye Removal from Textile Wastewater Developed Research	Reem Mohammed Alowainati, Amna Hussain Ismael, Asem Barakat Aljahmi, Shaker Haji and Abdulnaser Abdulaziz Abdulla	15:30-15:40
3	(103)	Enhanced Removal of Novacron Blue E-CR Dye and Turbidity Using Alternating Pulsed Current (APC) and ZnO Coating Electrodes in Electrocoagulation Technique Developed Research	Ali Salah Mohamed, Sayed Mohamed Alawi and Ali Husain Moosa	15:40-15:50
4	(104)	Photocatalytic Degradation of Doxycycline Hyclate Using Sulfur-Doped Graphitic Carbon Nitride Nanoparticles Developed Research	Maya Samir Owais Salman Fawzi AlMahmood Isa Ahmed Aljawder Hayat Abdulla Yusuf Zainab Ali Mohammed Redha	15:50-16:00
5	(138)	AIR BASED PV-T DESIGN & FABRICATION Developed Research	Salman Mohamed Hussain Saeed Mohamed Ahmed	16:00-16:10
6	(119)	Integrated Transportation and Infrastructure Design for Diyar Al Muharraq Preliminary Research	Ali Mearaj, Yusuf Nasser and Almahdi Abdulnaser Almahdi	16:10-16:20
7	(121)	Application of Circular Economy and Cleaner Production Principles for Environmental Sustainability: Evidence from the Qatari Hospitality Sector Developed Research	Kayla Khan, Atya Said, Somayyeh Balochi and Djihane Boughazi	16:20-16:30
8	(131)	Design and Analysis of a Mechanical Heart Valve Developed Research	Hasan Ali Mansoor Mohamed Naser, Raguraman Kanaan, Redha Yusuf Hasan Almutawa and Ahmed Younes Abdulla Almutawa	16:30-16:40
9	(132)	Diagnosing the Interface: An Empirical Analysis of Pedestrian-Vehicle Conflict and Social Patterns on Al Mutanabbi Avenue, Manama Preliminary Research	Abdelbagi Alajab	16:40-16:50
10	(133)	Improving Bahrain Public Schools' Energy Efficiency: Simulated Case Study Developed Research	Maryam Sharif and Fay Al khalifa	16:50-17:00
Feedback				17:00-17:10



No.	Paper No.	Session C- 3: Theme: (Health and Sports Sciences)	Session Chairs: Dr. Faten Saad Mahmood Dr. Toqa Jameel Busebaia	15:20 -17:10 Room Link: 
		Title	Author	Time
1	(115)	Assessment of Pharmacist-Healthcare Professional Communication Through Electronic Medication Comments in Hospital Systems <i>Preliminary Research</i>	Nawraa Ashoor, Fatima Ahmed, Athraa Mohamed, Ahmed Yousif, Eman Mezyed & Batool Mohamed	15:20-15:30
2	(120)	Evaluation of Rituximab Utilization, Monitoring Practices, and Clinical Outcomes in Government Hospitals in Bahrain <i>Preliminary Research</i>	Ala Ahmed Alkhatay, Malak Abdulla Albaqali, Ayah Sayed Fadhel Ali, Sayed Mohamed Radhi Mohamed, Ola Mohammed Alqassab & Sherry Tawfiq	15:30-15:40
3	(123)	Public Awareness and Attitudes Toward the Causes and Prevention of Antibiotic Resistance in Bahrain <i>Preliminary Research</i>	Hajar Awad, Safeya Bibi Munir, Rukhsana Bibi Munir, Awwad Salem Alajmi, Sakeenah Hameed Almohsen & Duaa Abdul Redha Sabt, Sherry Tawfiq	15:40-15:50
4	(127)	Formulation and in-Vitro Evaluation of a Mastic-Acacia Dual-Gum Antifungal Topical Cream <i>Preliminary Research</i>	Meriam Bint Rasheed Alsalmi, Aryam Mohammed Hussain, Asmae Mustapha Ahmed, Sara Ali Mohammed, Heba Mohammad Ali & Reham Yahya Albelal	15:50-16:00
Feedback				16:00-16:10