

AU TECHNICAL REPORT

SCIENTIFIC RESEARCH CENTER
2023/2024



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Over the past few years, there has been a significant transformation in the research landscape at the Australian University (AU). The university has undergone a strategic overhaul in its approach and governing structure, aiming to make impactful research a central and strategic pursuit. This shift has led to a concentrated emphasis on several key research domains, encompassing water and environmental studies, energy, materials, mechatronics, and automation, as well as educational philosophies, innovation, entrepreneurship, business management, finance, marketing, and communication. To bolster its research capabilities, AU has proactively forged both domestic and international partnerships, facilitating the exchange of knowledge and enhancing research prowess. Notably, collaborative agreements have been established with global counterparts like Central Queensland University (CQUniversity), enabling faculty members to collaborate on joint research initiatives. On a national scale, AU has expanded its research horizons through collaborations with local funding bodies such as the Kuwait Foundation for the Advancement of Sciences (KFAS). Internally, AU has introduced grant schemes to financially support cross-disciplinary research focusing on pivotal national priorities. Additionally, incentive plans have been devised and implemented to motivate faculty engagement in impactful research and publication in esteemed academic journals. AU boasts a diverse and highly accomplished faculty body, possessing extensive expertise across a wide spectrum of subjects. These faculty members are committed to producing graduates of the highest caliber, equipped to navigate the ever evolving and demanding landscape of industry.

Aligned with Kuwait's National Development Plan (New Kuwait Vision 2035), the Research Center at AU is actively establishing and nurturing thematic lines of applied research, addressing priority domains. Notably, the research endeavors are geared towards addressing real-world challenges and are underpinned by robust industry engagement. AU's research program is dedicated to enhancing the influence and productivity of scholarly activities across various disciplines within and beyond the university's confines.

VISION, MISSION, AND PRIORITIES

Vision

Our research vision is to enhance the profile of AU as a higher educational institution by contributing to the pursuit of original research aimed at extending the boundaries of applied knowledge.

Mission

The research mission is as follow:

- To enhance the research profile of AU locally, regionally, and internationally
- To create national and international impact in the field of applied research
- To establish a research program supportive of the applied teaching model at AU
- To create interdisciplinary and collaborative research
- To sustain strong partnerships with research funding organizations such as Kuwait Foundation for the Advancement of Sciences (KFAS), Kuwait Institute for Scientific Research (KISR), and the industry.





RESEARCH PRIORITIES

The Scientific Research Center is establishing and sustaining thematic lines of applied research that address priority areas aligned with KFAS and the National Development Plan of Kuwait (New Kuwait Vision 2035). It is committed to identifying research areas that can support AU's attainment of its 2025 strategic plan. We chose to select research areas that have potential to attract support from funding agencies and have a high success rate at AU. Based on our faculty research interests, we recommend continuing focusing on the national research priorities that are aligned with Kuwait vision 2035. The following areas to be considered for focused research investments in the near term.

- Energy
- Water
- Health and Environment
- Digital Transformation
- Education
- Macroeconomics
- Infrastructure and Urban Development
- Innovation and Entrepreneurship
- Marketing Communication
- Nanotechnology
- Artificial Intelligence

AU FACULTY RESEARCH OUTPUT

Our faculty members at AU have always been involved in conducting research on an individual and collaborative basis. Table 1 and Figure 1 summarize the research activity of each department for the Academic Year 2023/2024.

Table 1 Published Research Work in Journals Conference Presentations and Research Projects - Academic Year 2023/2024

Department	Journal Papers	Conference Papers	AU Research Projects	KFAS Research Projects
Mechanical Engineering	15	7	3	1
Civil Engineering	9	8	4	2
Petroleum Engineering	4	5	0	0
Electrical Engineering	15	5	0	2
Mathematics	10	1	0	1
Total for SOE	53	26	7	6
Management	3	8	3	0
Marketing	3	4	0	0
HR	6	4	1	0
Management Information Systems Department	5	0	0	1
Banking, Finance and Accounting Department	8	4	0	0
Total for SOB	25	20	4	1
Total for ELP	1	0	0	0
Aviation	0	0	0	0
AU Total	79	46	11	7

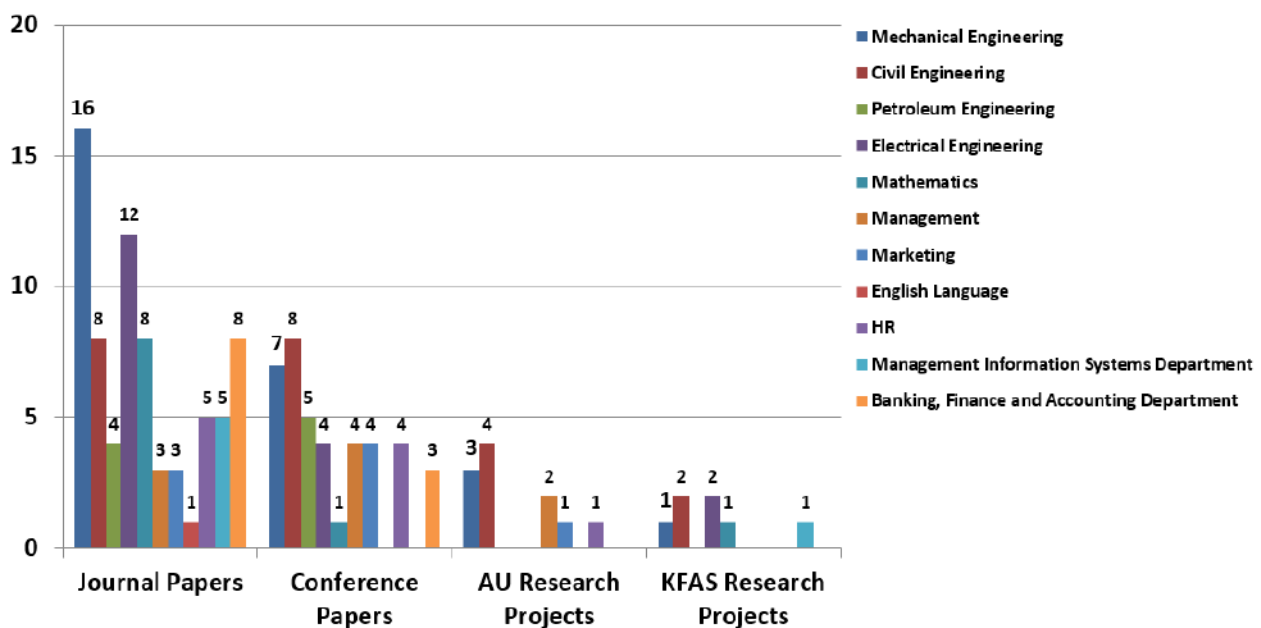


Figure 1 Summary of Publications by AU Departments during Academic Year 2023/2024

COMPARISON OF AU RESEARCH OUTPUT BETWEEN SIX CONSECUTIVE ACADEMIC YEARS (2017/2018 - 2023/2024)

This section compares AU research output between six consecutive academic years as shown in Figures 2 and 3.

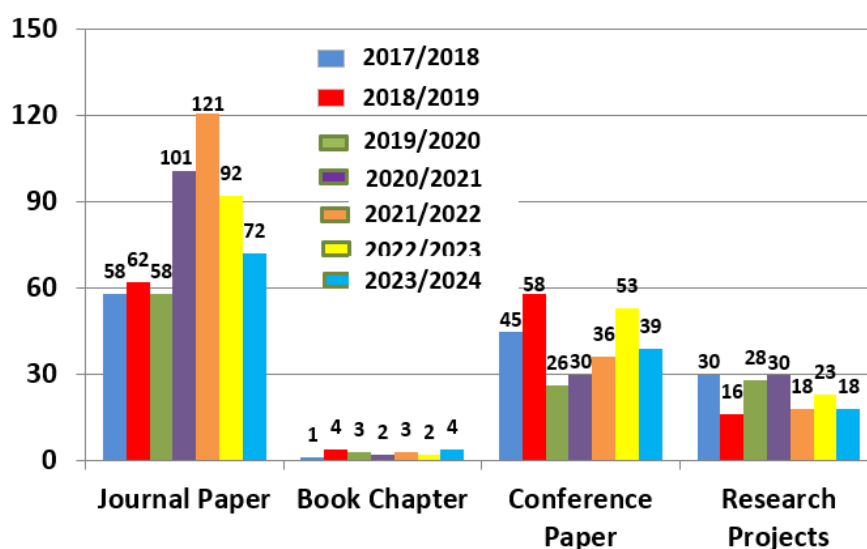


Figure 2 Comparison of AU Research output from 2017/2018 to 2023/2024

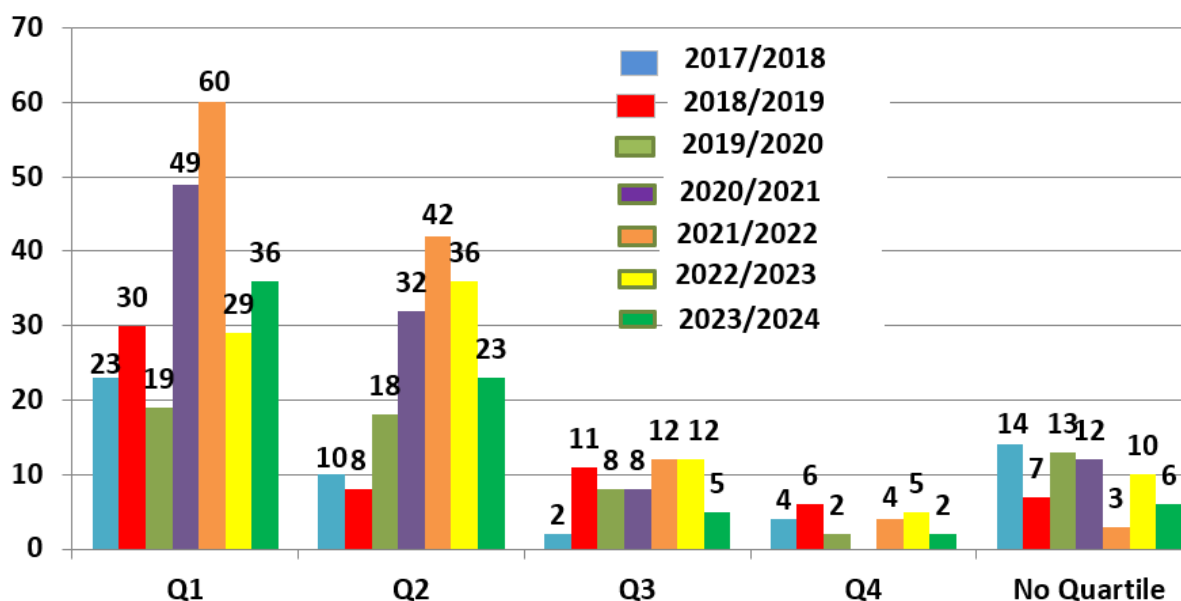


Figure 3 Comparison of AU Research Q Journals from 2017/2018 to 2023/2024

PUBLICATIONS (JOURNALS, CONFERENCES, AND BOOKS)

AU faculty members published a total of 111 research work covering the period from September 1st, 2023, through August 31st, 2024 (72 journal papers and 39 conference papers). AU faculty received 7 funded KFAS projects and 11 AU internal research grants as shown in Figure 4. Many peer-reviewed papers were published in Q journals (ranking based on Scopus), as depicted in Table 2 and Figure 5. According to Scopus, 36 publications in Q1 Journals (research paper published in top 25% of the international journals), 23 publications in Q2 journals (research paper published in the middle-high position – between top 50% and top 25%), 5 publications in Q3 journals (middle-low position), and 2 publications in Q4 journals.

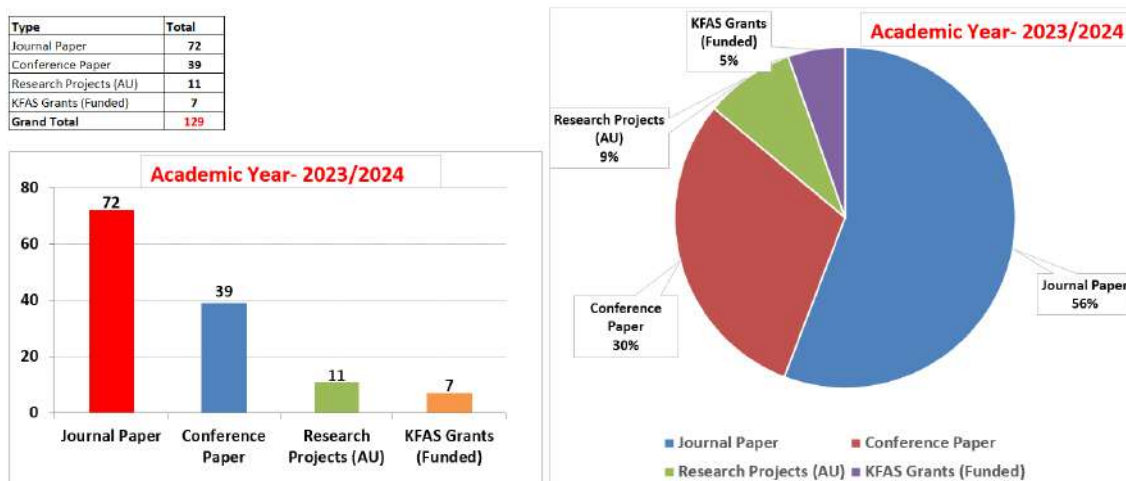


Figure 4 AU Research Faculty Output for 2023/2024

Quartile (From Scopus)	Number of Published Journal Papers	Percentage (%)
Q1	36	52.17
Q2	23	30.43
Q3	5	7.25
Q4	2	2.90
No Quartile	6	7.25
Grand Total	72	100

Table 2 AU Published papers in Q journals - Academic Year 2023/2024

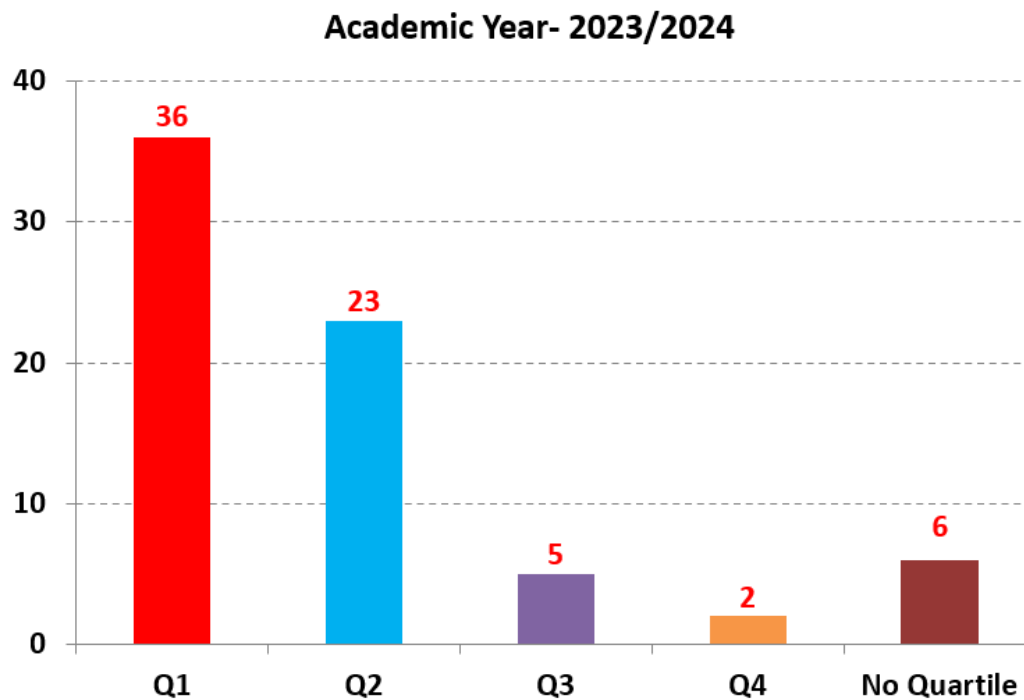


Figure 5 AU Research Faculty Output in Q-Journals for 2023/2024

KFAS PROPOSALS - 2023/2024

AU's strategy is to promote an environment rich in opportunities for original research, education, and innovation through the constant support of faculty, infrastructure, and collaboration with organizations, including the Kuwait Foundation for Advancement of Science (KFAS). Table 3 shows a summary of the approved KFAS grants for the Academic Year 2023/2024.

Table 3 Summary of the approved KFAS grants for the Academic Year 2023/2024

Sr.	Name of Funding Body	Title of the Project	Principal Investigator	Department	Local Collaboration	External Collaboration
1	KFAS	Evaluating The Impact of Game-Based Learning on University Students› Skills Development - A Cross-Cultural Analysis	Dr. Vladimir Simovic	Scientific Research Center	N/A	CQU
2	KFAS	Digitalization of Office Ergonomics Concept for Employees› Wellbeing, Resilient and Innovative Workplace.	Dr Nader Ghareeb	Mechanical Engineering	N/A	Multimedia University - Malaysia
3	KFAS	Rapid Indoor Soiling Testing (RIST) System for Soiling and Dust Control in Photovoltaics: Novel System, Measurement Process, and Prediction Models.	Dr Feras Al Zubi	Mathematics & Physics	KISR	N/A
4	KFAS	Application of Programmable Logic Controllers and Artificial Intelligence in Optimizing Energy Consumption in Educational Institutions, Case Study: Australian University, Kuwait	Dr Amin Al Ka'bi	Electrical	N/A	N/A
5	KFAS	Decarbonization of the Transmission Network Through Modernization - of the Gas Insulated Switchgear (GIS) Using Clean Air Technology and Vacuum Interrupter	Dr Majdi Al-Omari	Electrical	KISR	University of Technology Sydney
6	KFAS	Kuwait Resilient Digital Twins System Development for Sustainable Urban Flash Flood Management	Dr Masoud Irannezhad	Civil	AU	N/A
7	KFAS	Building Information Modeling in the Practice of Architecture/ Engineering Firms: an Adoption Roadmap in the Context of Kuwait.	Dr Mohamad Abdullah (PI – Kuwait University) Dr Mohamad Salem (Co-PI)	Civil	AU	N/A

AU 6TH CALL FOR RESEARCH PROPOSALS

To promote the research environment among faculty members, the AU Research Center has released AU 6th Call for research proposals on February 4th, 2023. Fourteen seed grants were accepted for funding, as shown in Table 4. Figures 6 & 7 below show the summary of these proposals by colleges, departments and based on internal and external collaboration.



AU Scientific Research Center Call for Research Proposals – 2023/2024

We are pleased to announce the 6th Call for AU's internal research proposals. The AU Scientific Research Center funding will focus on the following main fields:

- Water and Environment
- Renewable Energy
- Robotics and Artificial Intelligence
- Cybersecurity
- Advanced Materials and Manufacturing
- Electric Vehicle Cars
- Digital Transformation (e.g., Education, Health, Finance, Society, etc)
- Innovation and Entrepreneurship
- Business Management, Finance, and Marketing

This Call will be offering different types of grants: Seed grant, collaborative research grants between AU colleges, and AU-CQU multidisciplinary research proposals. Successful proposals will be awarded **5** seed grants of up to KD 1,500 over a maximum of 12 months, **5** collaborative research grants between AU colleges of up to 2000 KD (12 months), and **3** AU-CQU research grants with a maximum budget of 3500 KD (18 months – 24 months). The submission of the proposals is accepted until March 10th, 2024. This Call is open to the entire AU faculty members.

The seed and collaborative proposals will be reviewed internally while the AU-CQU research grant proposals will be evaluated by up to three external reviewers in addition to internal review by the Scientific Research Center. All the proposals must be submitted as single pdf file to AU Research Center at: research@au.edu.kw

All the funded seed and collaborative grants will be announced by April 1st, 2024.

Table 4 Summary of approved AU research grants– Academic Year 2023/2024

Sr.	Name of Funding Body	Title of the Project	Principal Investigator	Department	Local Collaboration	External Collaboration
1	AU	Development of a Wi-Fi-Enabled DC Power Meter for an AI-Controlled Off-Grid Completely Direct Current Solar Air Conditioning System	Dr. Ahmad Sedaghat	Professor - Mechanical Engineering	AU	N/A
2	AU	Strategic Role of Human Resource Analytics: An Applied Case Study at AU	Dr. Farid Abdallah	Dean	AU	N/A
3	AU	Laboratory Evaluation of Carbon Fibre Reinforced Polymer (CFRP) Bars to Improve Joints in Natural Fibre Reinforced Concrete (NFRC) Pavements	Dr. Taha Ahmad	Associate Professor - Civil Engineering	N/A	Idaho State University

Sr.	Name of Funding Body	Title of the Project	Principal Investigator	Department	Local Collaboration	External Collaboration
4	AU	Revolutionizing worker well-being and productivity in construction: The integration of industrial exoskeletons to reduce work-related-musculoskeletal disorders	Eng. Khiami	Instructor - Civil Engineering	N/A	Aalborg University & Aarhus University
5	AU	Experimental investigation of the usage of Kuwaiti oil-contaminated sand and natural fiber as a substitute for conventional sand in concrete	Dr. Zainab Al Hajjaj	Assistant Professor - Mechanical Engineering	AU	N/A
6	AU	Novel AI-based Concrete Elasticity Determination using DIC Technology	Dr. Mohamad Yassin	Assistant Professor - Civil Engineering	N/A	Idaho State University
7	AU	AI-enabled Technology for People with Disabilities: A Policy Development Framework	Prof. Alper Erturk	Professor/ Head of Management Department	AU	CQU
8	AU	Investigation of physical characteristics through experimental testing of energy saving building materials (Wood-Plastics Composites)	Dr. Majid Alsarheed	Assistant Professor - Mechanical Engineering	AU	N/A
9	AU	Advancing Non-Destructive Testing through AI: Development of an AI-based Model for Predicting UPV Measurements in Concrete under Controlled Surface Temperature Variations Part 1 – Data Collection and Preparation	Dr. Rana Lakys	Assistant Professor - Civil Engineering	AU	N/A
10	AU	Digital Transformation in Learning and Teaching: Educational Technology in Kuwait	Prof. Alper Erturk	Professor/ Head of Management Department	AU	N/A
11	AU	Integrating Artificial Intelligence to Enhance Human Resource Management: Review and Way Forward	Ms. Hamsa Sarhan	Instructor – Human Resources	AU	CQU

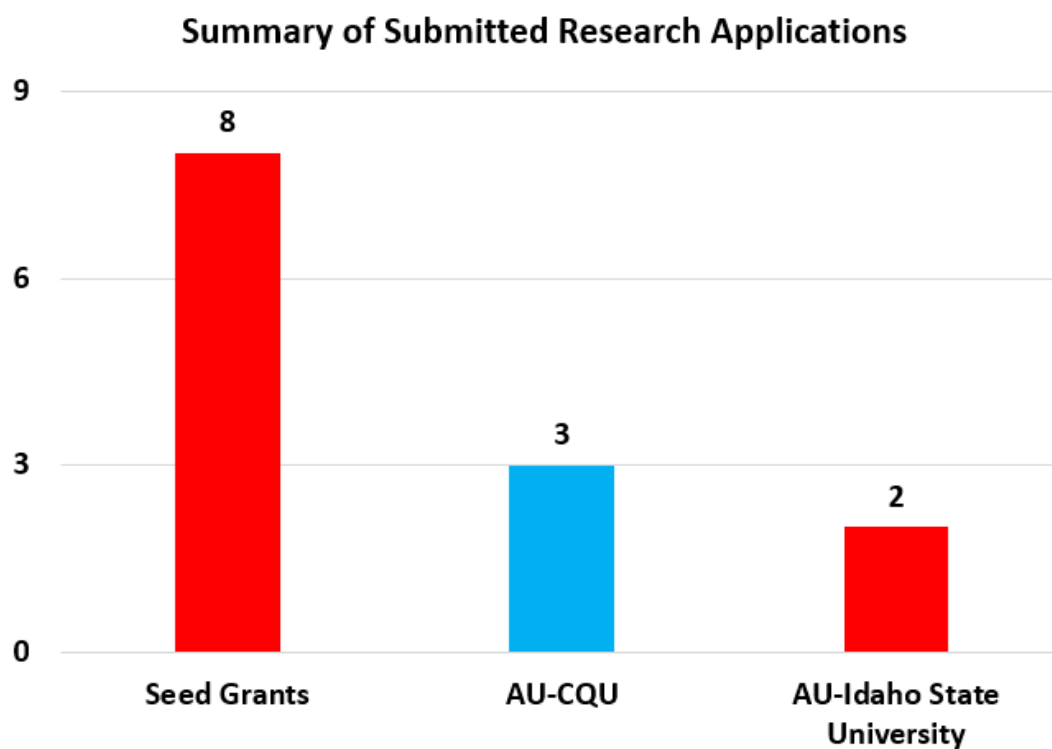


Figure 6 Summary of the submitted research applications

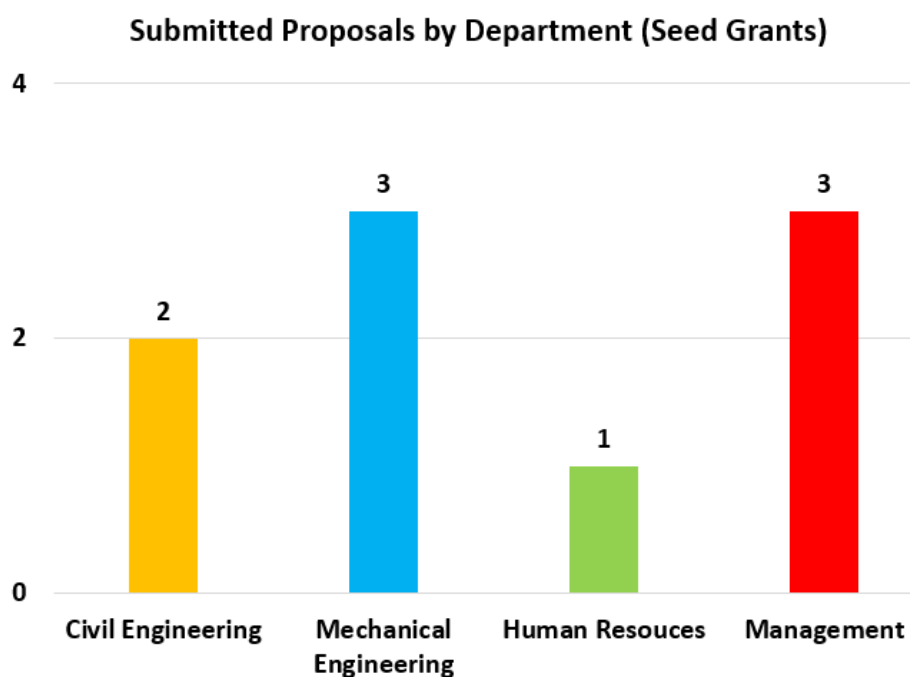


Figure 7 Summary of the submitted seed grants by Departments.



FULL DETAILS ON THE PUBLICATIONS OF THE AU FACULTY MEMBERS FOR THE ACADEMIC YEAR 2023/2024

Fall 2023/2024

Publications of College of Engineering					
Sr.	Authors	Publication Title	Name of Journal/ Conference	Category / Impact Factor	Date
Mechanical Engineering Department					
1	Sedaghat, A.; Mahdizadeh, A.; Narayanan, R.; Salem, H.; Hussam, W.K.; Al-Khiami, M.I.; Malayer, M.A.; Soleimani, S.M.; Sabati, M.; Rasul, M.; et al.	Implementing Cool Roof and Bio-PCM in Portable Cabins to Create Low-Energy Buildings Suitable for Different Climates	Sustainability	Journal (Q2: Impact Factor: 4.39)	10/10/2023
2	N Firouzkouhi, A Amini, A Bani Mustafa, A Mehdizadeh, S Damrah, A Gholami, C Cheng, B Davvaz	Generalized fuzzy hypergraph for link prediction and identification of influencers in dynamic social media networks	Expert Systems with Applications	Journal (Q1: Impact Factor: 10.4)	19/9/2023
3	Ali Al-Masri, K Khanafer, and Kambiz Vaf	Multiscale homogenization of aluminum honeycomb structures: Thermal analysis with orthotropic representative volume element and finite element method	Heliyon	Journal (Q1: Impact Factor: 4.49)	1/9/2024
4	Adel Younis, Zuomin Dong	Adaptive Surrogate Assisted Multi-Objective Optimization Approach for Highly Nonlinear and Complex Engineering Design Problems	Applied Soft Computing	Journal (Q1: Impact Factor: 10.1)	15/11/2023
5	Ehab Bani-Hani, Fadi Al-Khatib, Mamdouh El Haj Assad, Mohammad Alshabi, Humberto Garcia Castellanos, Yashar Aryanfar, Ahmed Deifalla, Adham E. Ragab	Optimization of adiabatic flame temperature of natural gas combustion under different conditions	Environmental Progress & Sustainable Energy	Journal (Q2: Impact Factor: 3.48)	24/12/2023

Publications of College of Engineering					
Sr.	Authors	Publication Title	Name of Journal/ Conference	Category / Impact Factor	Date
Mechanical Engineering Department					
6	Wisam K. Hussam, El Manaa Barhoumi, M. Abdul-Niby, Gregory J. Sheard	Techno-economic analysis and optimization of hydrogen production from renewable hybrid energy systems: Shagaya renewable power plant-Kuwait	International Journal of Hydrogen Energy	Journal (Q1: Impact Factor: 7.67)	14/1/2024
7	Hamza Makhamreh; Meryem Kanzari; Mohamed Trabelsi	Model Predictive Control of a PUC5-based Dual-Output Electric Vehicle Battery Charger	Sustainability	Journal (Q2: Impact Factor: 4.39)	28/9/2023
8	Ahmad Sedaghat, Arash Mahdizadeh, Hayder Salem, Wisam K. Hussam, Mohamad Iyad Al-Khiami, Aiyad Gannan,	Development of Novel Portable Cabins for Low Energy Buildings Research in Kuwait,	The first GCC Engineering Symposium (GCCENG23), Kuwait University	Conference	29-31/10/2023
9	Ahmad Sedaghat, Ali Al-Masri, Mohamad Iyad Al-Khiami, Mahdi Ashtian Malayer,	Practical Considerations for Phase Change Materials in Kuwaiti Building Envelopes: A Data-driven,	Proc. International Conference on Computer Applications and Technological Solutions (CATS2023), GUST - Kuwait	Conference	29-30/10/2023
10	Al Hajaj, Z., and Yassin, M.H.	The influence of incorporating natural fiber on the mechanical performance of natural fiber reinforced concrete	The First GCC Engineering Conference – Kuwait University	Conference	30/10/2023
Civil Engineering Department					
1	Mohamad Iyad Al-Khiami, Martin Jaeger, Sayed Mohamad Soleimani, Abdulhadi Kazem	Enhancing concrete structures education: Impact of virtual reality on motivation, performance and usability for undergraduate engineering students	Journal of Computer Assisted Learning	Journal (Q1: Impact Factor: 6.38)	3/10/2023
2	Sedaghat, A.; Mahdizadeh, A.; Narayanan, R.; Salem, H.; Hussam, W.K.; Al-Khiami, M.I.; Malayer, M.A.; Soleimani, S.M.; Sabati, M.; Rasul, M.; et al.	Implementing Cool Roof and Bio-PCM in Portable Cabins to Create Low-Energy Buildings Suitable for Different Climates	Sustainability	Journal (Q2: Impact Factor: 4.39)	10/10/2023
3	Sadeqi, A., Irannezhad, M., Bahmani, S., Jelodarlu, K. A., Varandili, S. A., & Pham, Q. B.	Long-Term Variability and Trends in Snow Depth and Cover Days Throughout Iranian Mountain Ranges	Water Resources Research	Journal (Q1: Impact Factor: 5.2)	22/12/2023
4	Al Tfaily, B., Sibille, L., Aboul Hosn, R., & Bennabi, A	Enhancing the prediction ability of discrete element model of loose granular media subjected to complex loading.	Powder Technology	Journal (Q1: Impact Factor: 5.6)	4/12/2023
5	Mohamed Salem, Richard Kirkham, Ruqaya Al- Sabah, Samara Chebli	COVID-19 and the construction sector: impacts and an agenda for post-pandemic policy in the context of Kuwait	Journal of Engineering Research	Journal (N/A – Open Access)	15/11/2023
6	Assad, A., and Bouferguene, A	Enhancing Bridge Management: A Data-driven Approach for Accurate Forecasting of Concrete Bridge Condition.	The First GCC Engineering Symposium, Kuwait. Kuwait	Conference	3/10/2023

Publications of College of Engineering					
Sr.	Authors	Publication Title	Name of Journal/ Conference	Category / Impact Factor	Date
Civil Engineering Department					
7	Assad, A., and Bouferguene, A	Machine Learning-based Deterioration Modeling of Highway Bridges Considering Climatic Conditions	7 th RILEM Annual Week and 1 st Interdisciplinary Symposium on Smart & Sustainable Infrastructure. Vancouver, British Columbia, Canada.	Conference	3-7/9/2023
8	R. Soleimanpour. M.H. Yassin	Propagation of guided waves in crumb rubber concrete beams	SHMII-12 - 12th International Conference on Structural Health Monitoring of Intelligent Infrastructure Oct. 19 - 22, 2023, Hangzhou, Zhejiang, China	Conference	19 - 22/10/2023
9	Al Tfaily, B., Aboul Hosn, R., Sibille, L., & Bennabi, A.	A 3D discrete element model for studying soil-structure interaction on shallow foundations subjected to seismic loads	XVII International Conference on Computational Plasticity, COMPLAS 2023. Barcelona, Spain	Conference	5-7/9/2023
Petroleum Engineering Department					
1	Farhan A. Alenizi, Adil Hussein Mohammed, S.M. Alizadeh, Omid Mahdizadeh Gohari, Mohammad Reza Motahari	Appraisal of rock dynamic, physical, and mechanical properties and forecasting shear wave velocity using machine learning and statistical methods	Journal of Applied Geophysics	Journal (Q2: Impact Factor: 2.29)	22/10/2023
Electrical and Electronics Engineering Department					
1	Hassan Salti & Hania El-Kanj	Characteristics of effective feedback in PBL: an exploratory study	Global Journal of Engineering Education	Journal (Q1: Impact Factor: 1.25)	In Press
2	Majdi M. Alomari, Hania EL-Kanj	Exploring the impact of the COVID-19 pandemic on energy literacy and conservation behaviour in academic buildings of Kuwait.	Heliyon	Journal	4/11/2023
3	Wisam K. Hussam, El Manaa Barhoumi, M. Abdul-Niby, Gregory J. Sheard	Techno-economic analysis and optimization of hydrogen production from renewable hybrid energy systems: Shagaya renewable power plant-Kuwait	International Journal of Hydrogen Energy	Journal (Q1: Impact Factor: 7.67)	14/1/2024
4	N Firouzkouhi, A Amini, A Bani Mustafa, A Mehdizadeh, S Damrah, A Gholami, C Cheng, B Davvaz	Generalized fuzzy hypergraph for link prediction and identification of influencers in dynamic social media networks	Expert Systems with Applications	Journal (Q1: Impact Factor: 10.4)	19/9/2023
5	Sedaghat, A.; Mahdizadeh, A.; Narayanan, R.; Salem, H.; Hussam, W.K.; Al-Khiami, M.I.; Malayer, M.A.; Soleimani, S.M.; Sabati, M.; Rasul, M.; et al.	Implementing Cool Roof and Bio-PCM in Portable Cabins to Create Low-Energy Buildings Suitable for Different Climates	Sustainability	Journal (Q2: Impact Factor: 4.39)	10/10/2023
6	Amin Al K'abi	A Proposed MIMO Antenna Design for Ultra-Wideband THz Applications	2023 7 th International Conference on System Reliability and Safety (ICSRS) Bologna, Italy	Conference	11/22/2023
7	Amin Al K'abi	Ultra-Wideband MIMO Antenna Design for THz Application	2023 6 th International Conference on Advanced Communication Technologies and Networking (CommNet) - Morocco	Conference	11-13/12/2023

Publications of College of Engineering					
Sr.	Authors	Publication Title	Name of Journal/ Conference	Category / Impact Factor	Date
Electrical and Electronics Engineering Department					
8	Hania El-Kanj, Fawaz Abdulqader, Abdullah Albannai, Abdulhamid Alarbash, and Mansour Aldaihani (Note: 4 authors are AU graduates from EEE department)	An IoT Based Smart Waste Management System with Built-in Segregation Feature	The First GCC Engineering Symposium	Conference	29-31/10/2023
9	Ahmad Sedaghat, Arash Mahdizadeh, Hayder Salem, Wisam K. Hussam, Mohamad lyad Al-Khiami, Aiyad Gannan,	Development of Novel Portable Cabins for Low Energy Buildings Research in Kuwait,	The first GCC Engineering Symposium (GCCENG23), Kuwait University	Conference	29-31/10/2023
Mathematics and Physics Department					
1	N. Samoui and R. Al Jamal	A single-input single-output versus multiple-input multiple-output feedback controllers for the Korteweg-de Vries-Kuramoto-Sivashinsky equation	International Journal of Robust and Nonlinear Control	Journal (Q1: Impact Factor: 4.37)	09/2023
2	Abdullah Helalat1 Hakem Sharari, Rasha Qawasmeh, Ahmed Bani-Mustafa and Zeyad Alkhazali	Revisiting the relationship between transformational leadership and employee psychological empowerment: A more holistic view using organisational culture	Cogent Business & Management	Journal (Q2: Impact Factor: 3.76)	5/9/2023
3	Raghida Georges Khalil, Sadeq Damrah, Mohammed Bajaher, Fekri Ali Shawtari	Unveiling the relationship of ESG, fintech, green finance, innovation and sustainability: case of Gulf countries	Environmental Science and Pollution Research	Journal (Q1: Impact Factor: 6.18)	1/11/2023
4	Salwa Bajja, Hassan Radoine, Ali Celik, Francis Dakyaga, Sadeq Damrah	Human Capital and manufacturing activities under environmentally-driven urbanization in the MENA region	Frontiers in Environmental Science	Journal (Q1: Impact Factor: 4.46)	3/1/2024
5	Oualid Abidi, Khalil Nimer, Ahmed Bani-Mustafa, Sam Toglaw, Vladimir Dzenopoljac	Do faculty members matter in corporate entrepreneurship in Kuwaiti higher education institutions?	Journal of Applied Research in Higher Education	Journal (Q2: Impact Factor: 2.37)	29/11/2023
6	N Firouzkouhi, A Amini, A Bani Mustafa, A Mehdizadeh, S Damrah, A Gholami, C Cheng, B Davvaz	Generalized fuzzy hypergraph for link prediction and identification of influencers in dynamic social media networks	Expert Systems with Applications	Journal (Q1: Impact Factor: 10.4)	19/9/2023
7	Sadeq Damrah, Andri Ottesen, Sam Toglaw	Evaluating Kuwait's EV Lag: In-Depth Analysis of Owner Experiences, Dealer Perspectives, and Policy Recommendations with Local Data Insight	International Scientific Conference on Digitalization, Innovations & Sustainable Development: Trends and Business Perspectives, November 29, Kuwait	Conference	29/11/2023
Publications of College of Business					
Sr.	Authors	Publication Title	Name of Journal/ Conference	Category / Impact Factor	Date
Management Department					
1	Banna, S., Ottesen, Andri., & Alzougool, B. (2023).	Reasons Why Only Kuwaiti Citizens Drive Electric Vehicles despite Being Only a Quarter of the Population.	World Electric Vehicle Journal	Journal (Q2: Impact Factor: 3.04)	10/10/2023

Publications of College of Business					
Sr.	Authors	Publication Title	Name of Journal/ Conference	Category / Impact Factor	Date
Management Department					
2	Nissi, Yamen., Simovic, Vladimir., Antonijevic, M. (2023).	The Determinants of Intention to Use Digital Banking Services in Kuwait.	International Journal of Finance and Banking Research	Journal (Open Access: Impact Factor: N/A)	11/12/2023
3	Mouazen A., Hernandez A., Abdallah Farid., Ramadan M., Chahine Jawad., Baydoun H., Bou Zakhem N.	Transformational and Transactional Leaders and Their Role in Implementing the Kotter Change Management Model Ensuring Sustainable Change: An Empirical Study	Sustainability	Journal (Q2: Impact Factor: 4.55)	19/12/2023
4	Alkhayyat R., Erturk, Alper, Safi, Mirna, Abdallah, Farid.	Implementation Of Business Intelligence And Analytics In Human Resource Management As A Core Competency For Sustainability	International Scientific Conference on Digitalization, Innovations & Sustainable Development: Trends and Business Perspectives, November 29, Kuwait	Conference	29/11/2023
5	Yeman Nissi, Andri Ottesen, Dania ElAchmar, Jawad Chahine	The Application of Lean Sigma in Higher Educations in Kuwait, Case of AU College of Business	International Scientific Conference on Digitalization, Innovations & Sustainable Development: Trends and Business Perspectives, November 29, Kuwait,	Conference	29/11/2023
6	Sumayya Banna, Andri Ottesen, Basil Algozool	What Might be The Future of EVs Adoption in Kuwait?	International Scientific Conference on Digitalization, Innovations & Sustainable Development: Trends and Business Perspectives, November 29, Kuwait,	Conference	29/11/2023
7	Simovic, Vladimir., Theofanidis, Faidon., Antonijevic, M., Rahat, Massouma. and Nissi, Yamen,	Differences in perceptions of continuous intention to use mobile banking apps: Evidence from Kuwait and Serbia,	International Scientific Conference on Digitalization, Innovations & Sustainable Development: Trends and Business Perspectives, November 29, Kuwait	Conference	29/11/2023
8	Sadeq Damrah, Andri Ottesen, Sam Toglaw	Evaluating Kuwait's EV Lag: In-Depth Analysis of Owner Experiences, Dealer Perspectives, and Policy Recommendations with Local Data Insight	International Scientific Conference on Digitalization, Innovations & Sustainable Development: Trends and Business Perspectives, November 29, Kuwait,	Conference	29/11/2023
9	Mirna Safi, Andri Ottesen, Yeman Nissi, Laila ElDabt	Challenges and Obstacles for Women Entrepreneurship in Kuwait	International Scientific Conference on Digitalization, Innovations & Sustainable Development: Trends and Business Perspectives, November 29, Kuwait,	Conference	29/11/2023

Publications of College of Business					
Sr.	Authors	Publication Title	Name of Journal/Conference	Category / Impact Factor	Date
Management Department					
10	De la Roche, Marcelle., Theofanidis, Faidon., Alougman, Fatima. Jovanovic, Alksandra, Simovic, Vladimir	Content marketing insights from Kuwait Banking industry: Matching managers' and customers' perceptions for social media posts likability and readability,	International Scientific Conference on Digitalization, Innovations & Sustainable Development: Trends and Business Perspectives, November 29, Kuwait,	Conference	29/11/2023
11	Simovic, Vladimir., Theofanidis, F., Antonijevic, M., Rahat, M., Nissi, Y.	The Differences In Perceptions Of Continuous Intention To Use Mobile Banking Apps: Evidence From Kuwait And Serbia	IGI Global	Book Chapter	In Press
12	Theofanidis, Faidon., Abidi, Oualid., Erturk, Alper., Colbran, S. and Coskun, E.,	Digital Transformation and Sustainable Development in Cities and Organization	IGI Global	Book Editorial	In press
13	Alper Erturk, Stephen Edward Colbran, Erman Coşkun, Faidon Theofanidis, and Oualid Abidi,	Convergence of Digitalization, Innovation, and Sustainable Development in Business	IGI Global	Book Editorial	In press
Marketing and Event Management Department					
1	De la Roche, Marcelle., & Simović, Vladimir	Remote Work Opportunities for the Persons with Disabilities.	Economic Analysis	Journal (Open Access: Impact Factor: N/A)	13/10/2023
2	De la Roche, Marcelle., Theofanidis, Faidon., Alougman, Fatima. Jovanovic, Alksandra, Simovic, Vladimir	Content marketing insights from Kuwait Banking industry: Matching managers' and customers' perceptions for social media posts likability and readability,	International Scientific Conference on Digitalization, Innovations & Sustainable Development: Trends and Business Perspectives, November 29, Kuwait	Conference	29/11/2023
3	Livas, C., Theofanidis, F., Skotis, A., Agapitou, C.,	Social Media use, value consciousness and brand relationships	International Scientific Conference on Digitalization, Innovations & Sustainable Development: Trends and Business Perspectives, November 29,	Conference	29/11/2023
4	Karali, N., Livas, S. Theofanidis, F.,	Technological innovativeness, entrepreneurial proactiveness, and firm performance: the perspective of female executives	International Scientific Conference on Digitalization, Innovations & Sustainable Development: Trends and Business Perspectives, November 29, Kuwait	Conference	29/11/2023

Publications of College of Business					
Sr.	Authors	Publication Title	Name of Journal/ Conference	Category / Impact Factor	Date
Marketing and Event Management Department					
5	Mirna Safi, Andri Ottesen, Yeman Nissi, Laila ElDabt	Challenges and Obstacles for Women Entrepreneurship in Kuwait	International Scientific Conference on Digitalization, Innovations & Sustainable Development: Trends and Business Perspectives, November 29, Kuwait	Conference	29/11/2023
6	Alper Erturk, Stephen Edward Colbran, Erman Coşkun, Faidon Theofanidis, and Oualid Abidi,	Convergence of Digitalization, Innovation, and Sustainable Development in Business	IGI Global	Book Editorial	In press
7	Theofanidis, F., Abidi, O., Erturk, A., Colbran, S. and Coskun, E.,	Digital Transformation and Sustainable Development in Cities and Organization	IGI Global	Book Editorial	In press
8	Simovic, Vladimir., Theofanidis, F., Antonijevic, M., Rahat, M., Nissi, Y.	The Differences In Perceptions Of Continuous Intention To Use Mobile Banking Apps: Evidence From Kuwait And Serbia	IGI Global	Book Chapter	In Press
Human Resources Department					
1	Abidi, Oualid., Dženopoljac, V., & Safi, Mirna.	Online meeting tools, tacit knowledge sharing and entrepreneurial behaviours among knowledge workers during COVID-19.	Knowledge Management Research & Practice	Journal (Q2: Impact Factor: 4.29)	2/11/2023
2	Abidi, Oualid., Nimer, K., Bani-Mustafa, A., Toglaw, S. and Dzenopoljac, V.	Do faculty members matter in corporate entrepreneurship in Kuwaiti higher education institutions?"	Journal of Applied Research in Higher Education	Journal (Q2: Impact Factor: 2.31)	29+11/2023
3	Mirna Safi, Oualid Abidi, Hamsa Sarhan, Rupali Bhagat	Managing information and communication overload in higher education institutions in Kuwait amid accelerated digital transformation: prospecting key success factors gained from the COVID-19 experience.	International Journal of Business Innovation and Research	Journal (Q2: Impact Factor: 1.75)	In Press
4	Simovic, Vladimir, Domazet, I., Bugarcic, M., Safi, Mirna., Sarhan, Hamsa., Bhagat, Rupali, & Martinovic, A. B. (2023).	The association of socio-demographic characteristics of university students and the levels of their digital entrepreneurial competences	Heliyon	Journal (Q1: Impact Factor: 4.64)	01/10/2023
5	Abidi, Oualid., Dzenopoljac, V. & Dzenopoljac, A.	Country digitalization, trade openness and innovation: is there a symbiosis?	International Scientific Conference on Digitalization, Innovations & Sustainable Development: Trends and Business Perspectives, November 29, Kuwait,	Conference	29/11/2023
6	Mirna Safi, Andri Ottesen, Yeman Nissi, Laila ElDabt	Challenges and Obstacles for Women Entrepreneurship in Kuwait International Scientific Conference on Digitalization, Innovations & Sustainable Development: Trends and Business Perspectives, November 29, Kuwait,	International Scientific Conference on Digitalization, Innovations & Sustainable Development: Trends and Business Perspectives, November 29, Kuwait,	Conference	29/11/2023

Publications of College of Business					
Sr.	Authors	Publication Title	Name of Journal/Conference	Category / Impact Factor	Date
Human Resources Department					
7	Safi, Mirna. , Abdallah, Farid. , Erturk, Alper. Alkhayyat, R	Digital Readiness Of The Workforce For A Successful Digital Transformation: Exploring New Digital Competencies	International Scientific Conference on Digitalization, Innovations & Sustainable Development: Trends and Business Perspectives, November 29, Kuwait,	Conference	29/11/2023
8	Alkhayyat R., Erturk, Alpaer., Safi, Mirna., Abdallah, Farid.	Implementation Of Business Intelligence And Analytics In Human Resource Management As A Core Competency For Sustainability	International Scientific Conference on Digitalization, Innovations & Sustainable Development: Trends and Business Perspectives, November 29, Kuwait,	Conference	29/11/2023
9	Abidi, Oualid., Dzenopoljac, V., Dzenopoljac, A.	Country Digitalization, Trade Openness, and Innovation: Is There a Symbiosis?	IGI Global	Book Chapter	In press
10	Alper Erturk, Stephen Edward Colbran, Erman Coşkun, Faidon Theofanidis, and Oualid Abidi,	Convergence of Digitalization, Innovation, and Sustainable Development in Business	IGI Global	Book Editorial	In press
11	Theofanidis, Faidon., Abidi, Oualid., Erturk, Alper., Colbran, S. and Coskun, E.,	Digital Transformation and Sustainable Development in Cities and Organization	IGI Global	Book Editorial	In press
Banking, Finance and Accounting Department					
1	Merza, E., & Al Hussainan, Omar	The antecedents and outcome of foreign direct divestment for developing economies.	Review of International Business and Strategy	Journal (Q2: Impact Factor: 4.27)	8/9/2023
2	Al Hussainan, Omar	Factors impacting the recruitment of Kuwaiti Nationals at Local Small & Medium Enterprises.	Journal of Small Business Management	Journal (Q1: Impact Factor: 7.32)	20/9/2023
3	AlSaber, A., AlHussainan, Omar.; Odeh, AlKandari, A., Nafea, R.	Assessing the efficiency of the ISO 9001 quality management system in the Kuwaiti banking industry through the application of the structural equation model (SEM)	International Journal of Business Performance Management	Journal (Q4: Impact Factor: 1.02)	In press
4	Nimer, K; Abdelqader, Muath., Uyar, A., Kuzey, C.	Emission targeting, female directors, and carbon emissions	Business Strategy and the Environment	Journal (Q1: Impact Factor: 14.9)	07/01/2024
5	AlHussainan, Omar., AlSaber, A., Abdallah, Farid., AlMutari, S., AlKandari, A.	The Role Of Payment Platform Mobile Applications In Influencing Customer Purchase Intention In Kuwait	International Scientific Conference on Digitalization, Innovations & Sustainable Development: Trends and Business Perspectives, November 29, Kuwait	Conference	29/11/2023
6	Al Hussainan, Omar., Khafash, M.	Digitalization of Finance and Accounting in Women Entrepreneurship.	International Scientific Conference on Digitalization, Innovations & Sustainable Development: Trends and Business Perspectives, November 29, Kuwait	Conference	29/11/2023
7	Yeman Nissi, Andri Ottesen, Dania ElAchmar, Jawad Chahine	The Application of Lean Sigma in Higher Educations in Kuwait, Case of AU College of Business	International Scientific Conference on Digitalization, Innovations & Sustainable Development: Trends and Business Perspectives, November 29, Kuwait	Conference	29/11/2023

Publications of College of Business					
Sr.	Authors	Publication Title	Name of Journal/ Conference	Category / Impact Factor	Date
Management Information system Department					
1	Simovic, Vladimir, Domazet, I., Bugarcic, M., Safi, Mirna., Sarhan, Hamsa., Bhagat, Rupali, & Martinovic, A. B. (2023)..	The association of socio-demographic characteristics of university students and the levels of their digital entrepreneurial competences	Heliyon	Journal (Q1: Impact Factor: 4.64)	01/10/2023
2	Ivana Domazet, Darko Marjanović, Deniz Ahmetagić, Milica Bugarčić, Vladimir Simović	Business Sector Investment in R&D as a Factor for Improving Innovation-Evidence from Hungary, Romania, Bulgaria, and Serbia	Eastern European Economics	Journal (Q3: Impact Factor: 1.24)	24/11/2023
3	Nissi, Yamen., Simovic, Vladimir., Antonijevic, M. (2023).	The Determinants of Intention to Use Digital Banking Services in Kuwait.	International Journal of Finance and Banking Research	Journal (Open Access: Impact Factor: N/A)	11/12/2023
4	De la Roche, Marcelle., & Simović, Vladimir	Remote Work Opportunities for the Persons with Disabilities.	Economic Analysis	Journal (Open Access: Impact Factor: N/A)	13/10/2023
5	Simovic, Vladimir, Theofanidis, F., Antonijevic, M., Rahat, M., Nissi, Y.	The Differences In Perceptions Of Continuous Intention To Use Mobile Banking Apps: Evidence From Kuwait And Serbia	IGI Global	Book Chapter	In Press
6	Simovic, Vladimir., Theofanidis, Faidon., Antonijevic, M., Rahat, Massouma. and Nissi, Yamen,	Differences in perceptions of continuous intention to use mobile banking apps: Evidence from Kuwait and Serbia,	International Scientific Conference on Digitalization, Innovations & Sustainable Development: Trends and Business Perspectives, November 29, Kuwait,	Conference	29/11/2023
7	Simovic, Vladimir	Exploring the Nexus: Socio-Demographic Factors and Perceptions of Digital entrepreneurial Competences of University Students,	International Scientific Conference on Digitalization, Innovations & Sustainable Development: Trends and Business Perspectives, November 29, Kuwait	Conference	29/11/2023
8	De la Roche, Marcelle., Theofanidis, Faidon., Alougman, Fatima. Jovanovic, Alksandra, Simovic, Vladimir	Content marketing insights from Kuwait Banking industry: Matching managers' and customers' perceptions for social media posts likability and readability,	International Scientific Conference on Digitalization, Innovations & Sustainable Development: Trends and Business Perspectives, November 29, Kuwait	Conference	29/11/2023

Spring 2023/2024

Table 7 Publication of Engineering Spring 2023/2024

Publications of College of Engineering					
Sr.	Authors	Publication Title	Name of Journal/ Conference	Category / Impact Factor	Date
Mechanical Engineering Department					
1	A Sedaghat, SM Soleimani, MI Al-Khiami, M Sabati, WK Hussam, HJ Salem, M Rasul, R Narayanan, MMK Khan, MA Malayer, A Mehdizadeh	Case studies on energy performance of walling materials in various regions	International Journal of Environmental Science and Technology	Journal (Q2: Impact Factor: 3.69)	20/3/2024
2	Ahmad Sedaghat, Khalil Khanafer, Rasool Kalbasi, Ali Al-Masri	A new approach for selecting and implementing phase change materials in Kuwaiti Buildings: Practical considerations	Journal of Energy Storage	Journal (Q1: Impact Factor: 9.64)	4/4/2024
3	A Sedaghat, R Kalbasi, R Narayanan, A Mehdizadeh, S. M. Soleimani, et al.	Integrating solar PV systems for energy efficiency in portable cabins: A case study in Kuwait	Solar Journal	Journal (Q1, Impact Factor: 6.47)	20/6/2024
4	Sayed Mohamad Soleimani, Mohamad Iyad Al-Khiami, Ahmad Sedaghat, Mahdi Ashtian Malayer	Harnessing Solar Energy for Efficient Cooling in Hot Weather Regions: A Comparative Experiment on Solar-Assisted Air Conditioning's Energy Efficiency	Future Directions in Energy Engineering: Challenges, Opportunities, and Sustainability Springer Nature Switzerland	Book Chapter	1/8/2024
5	Mohammad Hany Yassin, Zainab Al Hajaj , Rana Lakys, Zein-Eddine Merouanid, Adel Jumaah	The Influence of Palm Tree Fiber Addition on the Physical, Mechanical and Thermal Properties of 2 High Strength Concrete	Materials and Structures	Journal (Q1: IF: 3.14)	In press
6	Abbas Amini, Narjes Firouzkouhi, Marziyeh Nazari, Nader Ghareeb, Chun Cheng, Bijan Davvaz	Artificial intelligent Global Online Learning (GOL) theory by generalized n-ary fuzzy relation	Artificial Intelligence Review	Journal (Q1: Impact Factor: 18.4)	21/02/2024
7	A. Al-Masri, K. Khanafer, and M Abdul-Niby	Enhanced thermal management strategy for supercapacitors using phase change materials: A numerical investigation	International Communications in Heat and Mass Transfer	Journal (Q1: Impact Factor: 6.95)	30/7/2024
8	Malek Adouni, Fadi Alkhatib, Raouf Hajji, Tanvir R Faisal	Effects of overweight and obesity on lower limb walking characteristics from joint kinematics to muscle activations	Gait & Posture	Journal (Q2: Impact Factor: 2.29)	26/6/2024
9	Hayder Salem and Ahmad Sedaghat	Comparative Analysis of Thermal Performance of Painted, Finned, and Plain Roofs in Arid and Temperate Climates: Insights from Kuwait City and Vancouver	2024 9 th International Conference on Sustainable and Renewable Energy Engineering will be held in Marseille, France	Conference	9-11/5/2024
10	Zainab Al Hajaj	Analytical Investigation of PCM Embedded in Energy Storage Pile: Numerical Approach	2024 11 th International Conference on Civil and Urban Engineering (ICCUE 2024)- proceedings in environment, energy and earth sciences.	Conference	20-22/8/2024
11	Adel Younis, Mohamed ElBadawy, and Fadi Alkhatib	Bladeless Wind Turbine Fatigue Investigation	Proceedings of the Canadian Society for Mechanical Engineering International Congress 31st Annual Conference of the Computational Fluid Dynamics Society of Canada CSME/CFD2024, University of Toronto	Conference	26-29/5/2024

Publications of College of Engineering					
Sr.	Authors	Publication Title	Name of Journal/Conference	Category / Impact Factor	Date
Mechanical Engineering Department					
12	Sayed Mohamad Soleimani, Mohamad Iyad Al-Khiami, Ahmad Sedaghat, Mahdi Ashtian Malayer	Harnessing Solar Energy for Efficient Cooling In Hot Weather Regions: A Comparative Experiment on Solar-Assisted Air Conditioning's Energy	8 th International Conference on Sustainable Energy Engineering (ICSEE 2024), Brisbane, Australia.	Conference	2-4/2/2024
13	Ahmad Sedaghat	Innovative Application of Thin Films in Energy Saving and Renewable Energy Systems	Reference Module in Earth Systems and Environmental Sciences, Elsevier, 2024	Book Chapter	13/4/2024
14	Ahmad Sedaghat	Application of Nanoparticles in Energy Saving and Friction Reduction of Well Drilling Fluids in the Petroleum Industry	Reference Module in Earth Systems and Environmental Sciences, Elsevier, 2024	Book Chapter	26/3/2024
Civil Engineering Department					
1	A Sedaghat, SM Soleimani, MI Al-Khiami, M Sabati, WK Hussam, HJ Salem, M Rasul, R Narayanan, MMK Khan, MA Malayer, A Mehdizadeh	Case studies on energy performance of walling materials in various regions	International Journal of Environmental Science and Technology	Journal (Q2: Impact Factor: 3.69)	20/3/2024
2	S. R. Thiruchelva, S. Chandran, M. Irannezhad, A. Anandhi, Kumar Veluswamy, U. Surendran	Towards sustainable precipitation management in Madurai Town Planning Area (India)	Discover Sustainability	Journal (Q2: Impact Factor: 3.13)	15/4/2024
3	Mohammad Hany Yassin, Zainab Al Hajaj, Rana Lakys, Zein-Eddine Merouanid, Adel Jumaah	The Influence of Palm Tree Fiber Addition on the Physical, Mechanical and Thermal Properties of 2 High Strength Concrete	Materials and Structures	Journal (Q1: IF: 3.14)	In press
4	A Sedaghat, R Kalbasi, R Narayanan, A Mehdizadeh, S. M. Soleimani, et al.	Integrating solar PV systems for energy efficiency in portable cabins: A case study in Kuwait	Solar Journal	Journal (Q1, impact Factor: 6.47)	20/6/2024
5	Sayed Mohamad Soleimani, Mohamad Iyad Al-Khiami, Ahmad Sedaghat, Mahdi Ashtian Malayer	Harnessing Solar Energy for Efficient Cooling in Hot Weather Regions: A Conditioning's Energy Efficiency Comparative Experiment on Solar-Assisted Air	Future Directions in Energy Engineering: Challenges, Opportunities, and Sustainability (Springer)	Book Chapter	1/8/2024
6	M. Irannezhad and Zahrah Abdullah Abdulghafour	Historical Variability and Trends in Aridity Index in the Lancang Mekong River Basin: The Role of Climate Teleconnections	The 3 rd Int'l Conference on Hydrology and Water Management (CHWM 2024), China	Conference	19-21/4/2024
7	Reza Soleimanpour, Mohammad Hany Yassin, Naser Khaled Mohammad, Mohammad Khaleel Bo Arki and Miryan Nabil Sweid	Detecting debonding in FRP retrofitted concrete beams using nonlinear ultrasonic waves	2024 8 th International Conference on Civil Engineering, Singapore	Conference	22-24/3/2024
8	M. Irannezhad, Zahrah Abdullah Abdulghafour and Masoud Minaei	Atmospheric Circulation Patterns Controlling Wetness and Dryness Across Lake Urmia Basin in Iran: Historical Drought Dynamics	The Sixteenth International Conference on Climate Change: Impacts & Responses, France	Conference	25-26/4/2024
9	M. Irannezhad and Zahrah Abdullah Abdulghafour	Terrestrial Water Storage in the Arabian Peninsula: Mid and Late Future Changes	The 4 th World Conference on Climate Change and Global Warming, Spain	Conference	26-28/4/2024

Publications of College of Engineering					
Sr.	Authors	Publication Title	Name of Journal/Conference	Category / Impact Factor	Date
Petroleum Engineering Department					
1	Fatima R Salih, Farqad A Hadi, Mortadha T Al Saba	Analysis of Surge and Swab ECD of Herschel Bulkley Fluids in Rumaila Iraqi Oil Field	Iraqi Journal of Chemical and Petroleum Engineering	Journal (N/A: Impact Factor: N/A)	4/4/2024
2	Mayet., A., Fouladinia, F., Alizadeh, S.M., AlHashim, H., Guerrero, J., Loukil, H., Parayangat, M., Nazemi, E. and Shukla, N.	Measuring volume fractions of a three-phase flow without separation utilizing an approach based on artificial intelligence and capacitive sensors	PLoS ONE	Journal (Q1, Impact Factor: 3.7)	16/5/2024
3	Kingsley Amadi and Ibiye Iyalla	Development of Drilling Optimization Models for Autonomous Rotary Drilling Systems	International journal of research and scientific innovation	Journal (N/A, Impact Factor: N/A)	30/7/2024
4	K. W. Amadi, I. Iyalla, M. H. Farhat, B. M. Bitayib, J. Ugoyah,	Enhancing PDC Bit Performance Analysis Through Reverse Engineering and Finite Element Methods in Forensic Study	SPE Nigeria Annual International Conference and Exhibition held in Lagos, Nigeria 5 - 7 August 2024	Conference	5-7/8/2024
5	Achkar, J. El, Malhas, R., and M. Alsaba.	Innovative Produced Water Management: A Nexus Approach for Sustainable Oil and Gas Industry - A Critical Review	SPE Water Lifecycle Management Conference and Exhibition, Abu Dhabi, UAE, March 2024	Conference	5-7/3/2024
6	Alsaba, M., Elgaddafi, R., Ismael, A., Marake, T., and A. Hersi.	Laboratory Evaluation to Assess the Performance of a New Eco-Friendly Drilling Fluid Additive	SPE Conference at Oman Petroleum & Energy Show, Muscat, Oman	Conference	April 22-24, 2024
7	Amadi, K. W., Alsaba, M. T., El Achkar, J. H., and R. M Elgaddafi.	AI-Driven Green Optimization in Well Construction: Carbon Emission Management Through Technical Limit Performance Benchmarking	GOTECH, Dubai, UAE, May 2024	Conference	May 7-9, 2024
Electrical and Electronics Engineering Department					
1	A Sedaghat, SM Soleimani, MI Al-Khiami, M Sabati, WK Hussam, HJ Salem, M Rasul, R Narayanan, MMK Khan, MA Malayer, A Mehdizadeh	Case studies on energy performance of walling materials in various regions	International Journal of Environmental Science and Technology	Journal (Q2: Impact Factor: 3.69)	20/3/2024
2	Majdi M. Alomari, Hania El-Kanj, Ayse Topal, Nafesah I. Alshdaifat	Improving energy literacy among Kuwaiti university students with a tailored course on sustainable energy practices	Global Journal of Engineering Education	Journal (Q3: Impact Factor: 1.8)	11/2/2024
3	M Farhat, Y Mazloum, S Wakim , W Bou Nader, M AL Ebrahim, N Ghareeb	Energy optimization of parabolic dish solar concentrator coupled to organic Rankine cycle: Experimental and analytical investigation of cavity receiver design and covering effects	International Journal of Thermofluids	Journal (Q1: Impact Factor: 8.98)	11/6/2024
4	A Sedaghat, R Kalbasi, R Narayanan, A Mehdizadeh, S. M. Soleimani, et al.	Integrating solar PV systems for energy efficiency in portable cabins: A case study in Kuwait	Solar Journal	Journal (Q1: Impact Factor: 6.47)	20/6/2024
5	Amin Al Ka'bi, Ali Mustafa	Design of MIMO Antenna for Wideband THz Mobile Communications	Telecommunications and Radio Engineering	Journal (Q4: Impact Factor: 0.51)	11/3/2024
6	Amin Al Ka'bi	Planar MIMO Antenna Model for Spectrum Sensing Applications	Wireless Personal Communications	Journal (Q2: Impact Factor: 3.1)	11/3/2024

Publications of College of Engineering					
Sr.	Authors	Publication Title	Name of Journal/Conference	Category / Impact Factor	Date
Electrical and Electronics Engineering Department					
7	Amin Al Ka'bi	Proposed Prototype of a Microstrip Fractal Dual Band Antenna for Mobile Communications	Wireless Personal Communications	Journal (Q2: Impact Factor: 3.0)	21/2/2024
8	Amin Al Ka'bi	A Proposed MIMO Antenna Prototype for Frequency Identification	IEEE Sensors Journal	Journal (Q1: Impact Factor: 4.9)	In Press
9	Saman Rajebi, Siamak Pedrammehr; Kais I. Abdul Lateef Al Abdullah, Houshyar Asadi, Chee Peng Lim	An optimized microstrip antenna to generate intense localized heating at target sites for maximum effect	Discover Applied Sciences	Journal (N/A: Impact Factor: N/A)	19/4/2024
10	A. Al-Masri, K. Khanafer, and M Abdul-Niby	Enhanced thermal management strategy for supercapacitors using phase change materials: A numerical investigation	International Communications in Heat and Mass Transfer	Journal (Q1: Impact Factor: 6.95)	30/7/2024
11	K. W. Amadi, I. Iyalla, M. H. Farhat, B. M. Bitayib, J. Ugoyah,	Enhancing PDC Bit Performance Analysis Through Reverse Engineering and Finite Element Methods in Forensic Study	SPE Nigeria Annual International Conference and Exhibition held in Lagos, Nigeria 5 - 7 August 2024	Conference	5-7/8/2024
Mathematics and Physics Department					
1	Sharjeel Usmani, Najeeb Ahmed, Gopinath Gnanasegaran, Fahad Marafi, Ahmed Bani-Mustafa, Tim Van den Wyngaert	Assessment of regional and total skeletal metabolism using 18F-NaF PET/CT in patients with chronic kidney disease	Annals of Nuclear Medicine	Journal (Q2: Impact Factor: 2.45)	27/4/2024
2	Lejo J Manavalan, Sadeq Damrah, Ibraheem Abu Falahah, Abdallah Al-Husban, M Palanikumar	Selection process based on new type neutrosophic interval-valued set applied to logarithm operator	International Journal of Neutrosophic Science	Journal (Q1: Impact Factor: 2.35)	24/6/2024
3	Lejo J Manavalan, Sadeq Damrah, Mutaz Mohamed Abbas Ali, Abdallah Al-Husban, M Palanikumar	Type-I extension Diophantine neutrosophic interval valued soft set in real life applications for a decision making	International Journal of Neutrosophic Science	Journal (Q1: Impact Factor: 2.35)	2/3/2024
4	Abbas Amini, Narjes Firouzkouhi, Marziyeh Nazari, Nader Ghareeb, Chun Cheng, Bijan Davvaz	Artificial intelligent Global Online Learning (GOL) theory by generalized n-ary fuzzy relation	Artificial Intelligence Review	Journal (Q1: Impact Factor: 18.4)	21/2/2024
Publications of College of Business					
Sr.	Authors	Publication Title	Name of Journal/Conference	Category / Impact Factor	Date
Management Department					
1	Bošković, G., Cvetanović, A. M., Jovičić, N., Jovanović, A., Jovičić, M., & Milojević, S.	Digital Technologies for Advancing Future Municipal Solid Waste Collection Services.	Digital Transformation and Sustainable Development in Cities and Organizations (pp. 167-192). IGI Global.	Book Chapter	2/2024
2	Karaeminogullari, A., Erdogan, B., Ertürk, A., Karakitapoglu-Aygun, Z., Bauer, T. N., & Ellis, A. M.	Overeducation, cognitive overqualification, and interpersonal dynamics in the workplace	Society for Industrial and Organizational Psychology (SIOP) Annual Conference, Chicago, IL, United States.	Conference	In press

Publications of College of Business					
Sr.	Authors	Publication Title	Name of Journal/Conference	Category / Impact Factor	Date
Marketing and Event Management Department					
1	Karali, N., Livas, C., & Theofanidis, F.	Perceived Technological Innovativeness, Entrepreneurial Proactiveness, and Performance in Established Women-Led Companies.	Journal of Women Entrepreneurship and Education	Journal (Q3: Impact Factor: 1.61)	01/04/2024
2	Rasheed, R., Achi, S., Simovic, V., de la Roche, M., Uthaman, N., & Al Hazi, M.	Towards Inclusive Growth: Remote Work and Digital Entrepreneurship as Tools for PwD Empowerment in Oman	Revista de Gestão Social e Ambiental	Journal (Q3: Impact Factor: 2.78)	19/04/2024
Human Resources Department					
1	Dzenopoljac, V., Dzenopoljac, A., Abidi, O., Muhammed, S. & Kraus, S.	Intra-organizational knowledge sharing, ambidexterity and firm performance: Evaluating the role of knowledge quality.	Journal of Knowledge Management	Journal (Q1: Impact Factor: 10.97)	In press
2	Safi, M., Abidi, O., Sarhan, H. & Bhagat, R.	Managing information and communication overload in higher education institutions in Kuwait amid accelerated digital transformation: prospecting key success factors gained from the COVID-19 experience	International Journal of Business Innovation and Research	Journal (Q3: Impact Factor: 1.66)	In press
3	Abdelqader, M., Abidi, O., Nimer, K. & Idris, M.	Carbon Emission and Fraud Risk: An International Evidence.	International Conference on Technology for Innovation Management-2024, May 20-21, 2024. Amman, Jordan.	Conference	In press
Banking, Finance and Accounting Department					
1	Nafea, R., Aloraifan, Z., Alsaber, A., AlHussainan, O., Setya, P., Alkandari, A.	Factors impacting the recruitment of Kuwaiti Nationals at Local Small & Medium Enterprises.	Journal of Small Business Management	Journal (Q1: Impact Factor: 8.08)	In press
2	Abdelqader, M., Uyar, A., & Kuzey, C.	CSR transparency and firm value: Is the connection differential for cost leaders and differentiators?	Journal of Cleaner Production	Journal (Q1: Impact Factor: 12.08)	09/02/2024
3	Aly, D., Abdelqader, M., Darwish, T. K., Toporkiewicz, A., & Radwan, A.	Board characteristics and sustainability in higher education institutions: The case of the United Kingdom	Higher Education Quarterly	Journal (Q1: Impact Factor: 3.45)	26/01/2024
4	Doaa Aly, Muath Abdelqader, Tamer K Darwish, Arshad Hasan, Anna Toporkiewicz	How organizational board compositions lead to a higher job satisfaction: an empirical analysis of US and UK companies	International Journal of Disclosure and Governance	Journal (Q2: Impact Factor: 3.23)	6/2024
5	Abdelqader, M., Abidi, O., Nimer, K. & Idris, M.	Carbon Emission and Fraud Risk: An International Evidence.	International Conference on Technology for Innovation Management-2024, May 20-21, 2024. Amman, Jordan.	Conference	In press

Publications of College of Business					
Sr.	Authors	Publication Title	Name of Journal/ Conference	Category / Impact Factor	Date
Management Information Systems Department					
1	Rasheed, R., Achi, S., Simovic, V., de la Roche, M., Uthaman, N., & Al Haziazi, M.	Towards Inclusive Growth: Remote Work and Digital Entrepreneurship as Tools for PwD Empowerment in Oman	Revista de Gestão Social e Ambiental	Journal (Q3: Impact Factor: 2.78)	19/04/2024
2	Simovic, V., Paunovic, M., Lazic, M., Domazet, I.	I know that I know nothing - The drivers of remote work opportunities perceptions of the persons with disabilities,	Information, Communication and Society	Journal (Q1: Impact Factor: 7.84)	23/02/2024
3	Antonijevic, M. Domazet, I. Kojic, M., Simovic, V.	Financial Inclusion-A Driving Force for Women's Entrepreneurship Development	Journal of Women Entrepreneurship and Education	Journal (Q2: Impact Factor:1.61)	21/08/2024

Table 9 Publication of English Language Program Spring 2023/2024

Sr.	Authors	Publication Title	Name of Journal/ Conference	Category / Impact Factor	Date
English Language Program					
1	Fauzia Abdalla, Abdessattar Mahfoudhi, Saleh Shaalan, Reem Almarri, Maryam Aldousari, Hessa Alseedeqi	Lexical development in Kuwaiti Arabic in typically developing children and late talkers	Journal of Communication Disorders	Journal (Q2: Impact Factor: 2.06)	22/5/2024



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