| **الرقم** | **عنوان مشروع البحث** | **أعضاء الهيئة التدريسية المشاركون** | **المشاركون من خارج الجامعة مع توضيح الجهة** | **الطلبة المستفيدون من المشروع** |
| --- | --- | --- | --- | --- |
| **1** | Evaluation of Structural and Functional Performance of Rural Road Performance: Case Study of Jordan | Dr. Hesham Rabayeah  Dr. Maen Ghadi  Dr. Ismael Jannoud | لايوجد | طلبة الجامعة |
| **2** | Experimental investigation of mechanical and flexural behaviour in fibre reinforced concrete with recycled polypropylene fibres | Dr.Rrazan Almarahleh  Dr. Raed Abendah | * Dr Muhammad Kashif Shehzad, PhD, PGCAP, FHEA, GMICE (UK), PE (Pak) * Nour Hider Salem Almarahlleh * Tafila Technical University | ----- |
| **3** | Utilization of olive waste ash and natural fibers in concrete and cementitious mixtures | Dr. Mohammed Jaradat  Dr. Akram Suleiman |  |  |
| **4** | Developing a new circular economy framework for construction projects in Jordan | Dr.Rami Alawneh  Dr. Ismael Jannoud |  |  |

**ملحق(5):البحوث المنشورة للهيئة التدريسية في القسم الأكاديمي والمشترك منها مع مؤسسات خارجيةللعام الدراسي (2023).**

| **الرقم** | **عنوان البحث** | **أعضاء الهيئة التدريسية المشاركون فيه** | **المشاركون من خارج الجامعة مع توضيح الجهة** | **المجلة التي نشر بها** |
| --- | --- | --- | --- | --- |
| 1 | Evaluation of concrete–steel interfaces in steel tubes filled with chipped rubber–concrete | HS Ahmad, RM Abendeh, YM Hunaiti |  |  |
| 2 | Assessment of Flexural Performance of Reinforced Concrete Beams Strengthened with Internal and External AR-Glass Textile Systems | RA Alhorani, HS Rabayah, RM Abendeh, DG Salman |  |  |
| 3 | Assessment of Construction Risks in Projects Funded by External Sources in Jordan during the COVID-19 Pandemic | R Abu Qalbin, H Rabayah, M Darwish, R Abendeh |  |  |
| 4 | An Empirical Study of the Effect of Enterprise Resource Planning System on Tobin’s Q | AA Toumeh, M Ayoush, H Ahmad |  |  |
|  |  |  |  |  |
| 5 | [Density and Strength Performance of Cellular Concrete Blended with Bentonite Clay and Polypropylene Fiber](https://scholar.google.com/citations?view_op=view_citation&hl=en&user=x33qpQMAAAAJ&sortby=pubdate&citation_for_view=x33qpQMAAAAJ:SeFeTyx0c_EC) | MB Baker, R Abendeh, B Al-Shorman |  |  |
| 6 | [Comprehensive Review of Soil Stabilization Agents](https://scholar.google.com/citations?view_op=view_citation&hl=en&user=x33qpQMAAAAJ&sortby=pubdate&citation_for_view=x33qpQMAAAAJ:zA6iFVUQeVQC) | B Alshorman, MB Baker, T Ayadat |  |  |
| 7 | [Investigating the Influence of Alternative Fuels on the Properties of Sand-Bentonite Liners](https://scholar.google.com/citations?view_op=view_citation&hl=en&user=x33qpQMAAAAJ&sortby=pubdate&citation_for_view=x33qpQMAAAAJ:u_35RYKgDlwC) | MB Baker, A Hanna, M Electorowizc, T Ayadat, B Alshorman |  |  |
| 8 | [One Dimensional Oedometer Laboratory Testing for Expansive Clay Submerged with Hydrocarbon Fluids](https://scholar.google.com/citations?view_op=view_citation&hl=en&user=x33qpQMAAAAJ&sortby=pubdate&citation_for_view=x33qpQMAAAAJ:fPk4N6BV_jEC) | MB Baker, A Hanna, M Electorowizc, T Ayadat, B Alshorman, R Abendeh |  |  |
| 9 | [Effect of waste ceramic powder on the properties of asphalt binder and asphalt concrete mixtures](https://scholar.google.com/citations?view_op=view_citation&hl=en&user=x33qpQMAAAAJ&sortby=pubdate&citation_for_view=x33qpQMAAAAJ:cFHS6HbyZ2cC) | T Khedaywi, MB Baker, T Al-Kattab |  |  |
| 10 | [Reducing the Highway Networks Energy Bills using Renewable Energy](https://scholar.google.com/citations?view_op=view_citation&hl=en&user=x33qpQMAAAAJ&sortby=pubdate&citation_for_view=x33qpQMAAAAJ:4OULZ7Gr8RgC) | S Ayyad, MB Baker, A Handam, T Al-Smadi |  |  |
| 11 | [Density and Strength Performance of Cellular Concrete Blended with Bentonite Clay and Polypropylene Fiber](https://scholar.google.com/citations?view_op=view_citation&hl=en&user=bWfO57gAAAAJ&cstart=20&pagesize=80&citation_for_view=bWfO57gAAAAJ:_kc_bZDykSQC) | MB Baker, R Abendeh, B Alshorman |  |  |
| 12 | Barriers to Achieving Sustainability in Highway Construction Projects: The Case of Jordan | A Aljboor, R Imam, R Alawneh |  |  |
| 13 | Circular Economy Practices in Higher Education Institutions: Towards Sustainable Development | M Ayoush, H Rabayah, A Toumeh, A Aboushi, R Alawneh |  |  |
| 14 | ARIMA Models in Solar Radiation Forecasting in Different Geographic Locations | Ewa Chodakowska, Joanicjusz Nazarko, Łukasz Nazarko, Hesham S Rabayah, Raed M Abendeh, Rami Alawneh |  |  |
| 15 | Barriers to Achieving Sustainability in Highway Construction Projects: The Case of Jordan | A Aljboor, R Imam, R Alawneh |  |  |
| 16 | Flexural and deflection behaviour of synthetic fibre reinforced concrete beams reinforced with glass fibre reinforced polymers bars under sustained service load | Razan al Marahla  Muhammad Kashif Shehzad  Emilio Garcia Taengua |  |  |
| 17 | Decoding Vehicle Motion Data on the Internal Network | Maen Ghadi |  |  |
| 18 | Multilevel Analysis of Road Accident Frequency: The Impact of the Road Category | Maen Ghadi |  |  |
| 19 | Influence of Traffic Characteristics on Pavement Performance of Parking Lots | Maen Ghadi |  |  |
| 20 | Cryogenic cooling using liquid nitrogen to produce massive concrete: temperature, setting time and compressive strength | Malik Al-Amayreh, Rana Al Horani, Subhi M Bazlamit |  |  |
| 21 | Assessment of Flexural Performance of Reinforced Concrete Beams Strengthened with Internal and External AR-Glass Textile Systems | Rana Al Horani, Hesham S Rabayah, Raed Abendeh, Donia Salman |  |  |
| 22 | [Socio-demographic factors and treated wastewater reuse in the MENA region: Insights and implications](https://scholar.google.com/citations?view_op=view_citation&hl=en&user=AhDwDyQAAAAJ&sortby=pubdate&citation_for_view=AhDwDyQAAAAJ:kRWSkSYxWN8C) | S Asaad, A Suleiman |  |  |
| 23 | [Impact of political instability on 1948-Palestinian shoppers’ satisfaction: Palestinian tourist destination as a case study](https://scholar.google.com/citations?view_op=view_citation&hl=en&user=AhDwDyQAAAAJ&sortby=pubdate&citation_for_view=AhDwDyQAAAAJ:q3oQSFYPqjQC) | Jafar Abahre, Hussein Al-Rimmawi, Loai Abu Raida, Mohammad Alkhateeb, Wasim Bishawi, Sameer Mahmoud, Akram Suleiman, Zuheir N Khlaif |  |  |
| 24 | [Addressing the Causes and Effects of Poor Communication in the Jordanian Construction Industry: A Study on Improving Project Performance](https://scholar.google.com/citations?view_op=view_citation&hl=en&user=AhDwDyQAAAAJ&sortby=pubdate&citation_for_view=AhDwDyQAAAAJ:eJXPG6dFmWUC) | A Suleiman, H Almasaeid, N Hussein, J Abahre |  |  |
| 25 | [3D-printed bio-inspired mechanically interlocked viscoelastic dampers for energy dissipation](https://scholar.google.com/citations?view_op=view_citation&hl=en&user=jxxwhGMAAAAJ&sortby=pubdate&citation_for_view=jxxwhGMAAAAJ:IjCSPb-OGe4C) | M Jaradat, E Soliman, MR Taha |  |  |
| 26 | [Social support as the mediator for the relationship between internet gaming disorder and psychological problems among university students](https://www.researchgate.net/publication/371709246_Social_support_as_the_mediator_for_the_relationship_between_internet_gaming_disorder_and_psychological_problems_among_university_students?_tp=eyJjb250ZXh0Ijp7ImZpcnN0UGFnZSI6Il9kaXJlY3QiLCJwYWdlIjoicHJvZmlsZSIsInBvc2l0aW9uIjoicGFnZUNvbnRlbnQifX0) | Malakeh Z MalakAhmed ShuhaiberAhmed AlssweyAnwar Tarawneh |  |  |

**ملحق (8): المؤتمرات والندوات العلمية التي شارك بها أعضاء الهيئة التدريسية في القسم الأكاديمي للعام الدراسي (2023).**

| **الرقم** | **اسم عضو الهيئة التدريسية** | **عنوان المؤتمر/ الندوة** | **مكان وتاريخ الانعقاد** | **نوع المشاركة** | **عنوان البحث إن وجد** |
| --- | --- | --- | --- | --- | --- |
| **1** | **د. رنا الحوراني و**  **د. هشام ربايعة** | 12th International Conference on Engineering, Project, and Production Management (EPPM2022)Athens, Greece, 12-14 October, 2022. | **اليونان-أثينا شهر 10** | **نشر ورقه بحثيه** | Integrating Industry 4.0 Concepts in Civil Engineering Education |
| **2** | **د. اسماعيل جنود** | International Maghreb Meeting of the Conference on Sciences and Techniques of Automatic Control and Computer Engineering, MI-STA 2022 | **Tripoli, Lybiah** | **نشر ورقه بحثيه** | Comparison of Genetic Algorithm Crossover Operators on WSN Lifetime |
| **3** | **د. رائد عبندة** | 12th International Conference on Engineering, Project, and Production Management (EPPM2022)Athens, Greece, 12-14 October, 2022. | **اليونان-أثينا شهر 10** | **نشر ورقه بحثيه** | Flexural Strengthening and Repairing reinforced concrete beam by using textile glass fabric |
| **4** | **د. موسى بني بكر** | **9th International conference on Mechanics, Materials, and Manufacturing, Washington DC** | **أمريكا شهر 8** | **نشر ورقه بحثيه** | **Density and strength performance of cellular concrete blended with bentonite clay and polypropylene fiber** |