



## SDG9: INDUSTRY INNOVATION AND INFRASTRUCTURE

### 9.1 Research on industry, innovation and infrastructure

#### 9.1.1 Industry, Innovation and Infrastructure: publications

Isra University is engaged in research aimed at promoting industries, innovation and infrastructure through innovative research. Currently, there are approximately 66 research publications related to SDG 9, with 23 were published between 2022 and 2023. From the 23 publications 4 (17.4%) of the publications CiteScore exceeded the top 90<sup>th</sup> percentile.

### Isra University

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**New:** See at one glance Sustainable Development Goals mapped to this organisation  
 Sustainable Development Goals (SDGs) are specific research areas that are helping to solve real-world problems. Elsevier data science teams have built extensive keyword queries, supplemented with machine learning, to map documents to SDGs with very high precision. Times Higher Education (THE) is using Elsevier SDG data mapping as part of its Impact Rankings. [More about SDGs](#)

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#### SDG contributions

Goal 1: No poverty	3 documents	Goal 10: Reduced inequalities	7 documents
Goal 2: Zero hunger	7 documents	Goal 11: Sustainable cities and communities	52 documents
Goal 3: Good health and well-being	291 documents	Goal 12: Responsible consumption and production	33 documents
Goal 4: Quality education	52 documents	Goal 13: Climate action	18 documents
Goal 5: Gender equality	12 documents	Goal 14: Life below water	5 documents
Goal 6: Clean water and sanitation	66 documents	Goal 15: Life on land	7 documents
Goal 7: Affordable and clean energy	153 documents	Goal 16: Peace, justice and strong institutions	27 documents
Goal 8: Decent work and economic growth	37 documents	Goal 17: Partnership for the goals	320 documents
Goal 9: Industry, innovation and infrastructure	66 documents		



1. Potential effects of smart innovative solutions for supply chain performance  
Al-Shorman, H.M., Eldahamsheh, M.M., Attiany, M.S., Al-Azzam, M.K., Al-Quran, A.Z. *Uncertain Supply Chain Management*, 2023 (3 citation, 66<sup>th</sup> percentile)
2. Barriers to adopt industry 4.0 in supply chains using interpretive structural modeling  
Attiany, M.S., Al-Kharabsheh, S.A.I., Al-Makhariz, L.S.A., ...Mohammad, A.A.S., Rahamneh, A.A.A.L. *Uncertain Supply Chain Management*, 2023 (82 citation, 99<sup>th</sup> percentile)
3. An Exploratory Assessment of Self-Reported Satisfaction with Infrastructure and Out-of-Home Activities for People with Vision Impairments Hamed, M.M., Masoud, M.A. *Vision (Switzerland)*, 2023
4. UV and solar-based photocatalytic degradation of organic pollutants from ceramics industrial wastewater by Fe-doped ZnS nanoparticles Li, B., Amin, A.H., Ali, A.M., ...Salman, H.M., Nassar, M.F. *Chemosphere*, 2023 (17 citation, 94<sup>th</sup> percentile)
5. Risks management of infrastructure line services and their impact on the financial costs of road projects in Jordan  
Sa'dl Issa Alkhawaja, A., Varouqa, I.F. *Measurement: Sensors*, 2023 (4 citation, 66<sup>th</sup> percentile)
6. Big Data Analytics for Business Sustainability: Review Study  
Akour, I.A., Elhoseny, M.D., Al-Amawi, A.M.I., Akila, A. *IET Conference Proceedings*, 2023
7. The Impact of Environmental Disclosure on Market Performance: An Empirical Study of Jordanian Listed Industrial Companies. Alsakini, S.A.A. *WSEAS Transactions on Business and Economics*, 2023
8. Sustainability reporting and assurance in Gulf Cooperation Council countries: what is missing?  
Ramadan, A.H., Nassar, M.D., Sharairi, M.H., Makhlof, M.H., Nimer, K. *International Journal of Business Governance and Ethics*, 2023 (2 citation, 55<sup>th</sup> percentile)
9. Influence of smart mobile banking services on senior banks' clients intention to use: moderating role of digital accounting. Qatawneh, A.M., Makhlof, M.H. *Global Knowledge, Memory and Communication*, 2023 (4 citation, 79<sup>th</sup> percentile)
10. Impact of Cryptocurrency Regulations and Fintech on the Growth of Innovations  
Alrawashdeh, N.M., Al-Malahmeh, H., Al-Amawi, A.M.I., ...Alsaaidh, M., Alsmadi, A.A. *2nd International Conference on Business Analytics for Technology and Security, ICBATS 2023*, 2023 (1 citation, 76<sup>th</sup> percentile)
11. Big data analytics and innovation in e-commerce: current insights and future directions  
Alsmadi, A.A., Shuhaiber, A.H., Al-Okaily, M., Al-Gasaymeh, A.S., Alrawashdeh, N.M. *Journal of Financial Services Marketing*, 2023 (52 citation, 99<sup>th</sup> percentile)
12. Developing sustainability assessment indicators for measuring contractor's performance during the construction phase of construction projects in Jordan  
Alnsour, M.A., Zeidan, A., Al Quwaidar, B., ...Alregeb, R., Bader, M. *Asian Journal of Civil Engineering*, 2023 (3 citation, 16<sup>th</sup> percentile)

13. Simultaneous nitrification and denitrification by controlling current density and dissolved oxygen supply in a novel electrically-induced membrane bioreactor. Adam Lagum, A.A.  
Journal of Environmental Management, 2022 (17 citation, 79<sup>th</sup> percentile)
14. IoT-Based Waste Management System in Formal and Informal Public Areas in Mecca  
Abdullah, N.H., Al-Wesabi, O.A., Abdulkarem Mohammed, B.A., ...Baklizi, M., Sumari, P.B.  
International Journal of Environmental Research and Public Health, 2022 (10 citation, 76<sup>th</sup> percentile)
15. Developing an assessment model for measuring roads infrastructure sustainability in Jordan  
Al Hazaimeh, I., Alnsour, M.A.  
Innovative Infrastructure Solutions, 2022 (5 citation, 55<sup>th</sup> percentile)
16. Modification of nitrifying microbial community via DC electrical field application  
Adam Lagum, A.A., Elektorowicz, M.  
Journal of Environmental Chemical Engineering, 2022 (20 citation, 86<sup>th</sup> percentile)
17. Machine learning in medical applications: A review of state-of-the-art methods  
Shehab, M., Abualigah, L.M.Q., Shambour, Q.Y., ...Alsalibi, A.I., Gandomi, A.H.  
Computers in Biology and Medicine, 2022 (244 citation, 99<sup>th</sup> percentile)
18. Differences in Cyberchondria, Internet Addiction, Anxiety Sensitivity, Health Anxiety, and Coronavirus Anxiety Among Students: A Web-Based Comparative Survey  
Mrayyan, M.T., Al-Rawashdeh, S.Y., Abu Khait, A.F., Rababa, M.  
Electronic Journal of General Medicine, 2022 (5 citation, 47<sup>th</sup> percentile)
19. Green synthesis of a YBa<sub>2</sub>Cu<sub>3</sub>O<sub>7</sub> ceramic superconductor using the fruit extract of Juniperus phoenicea  
Hamadneh, I.(D.R.), Al-Mobydeen, A., Al-Dalahmeh, Y.A., ...Albiss, B.A., Al-Dujaili, A.H.  
Ceramics International, 2022 (1 citation, 28<sup>th</sup> percentile)
20. Making public works work: A framework for initiating right public infrastructure investments  
Alnsour, M.A.  
Journal of Infrastructure, Policy and Development, 2022 (1 citation 46<sup>th</sup> percentile)
21. MANAGEMENT AND DEVELOPMENT OF A RESIDENTIAL ENERGY STORAGE SYSTEM: A CASE STUDY JORDAN  
Abu-Attieh, S., Al-Omari, Z.A.M., Emar, W.M.  
Journal of Applied Engineering Science, 2022 (4 citations)
22. Smart Business Characteristics as an Approach to Develop Business Performance  
Kilani, Y.  
WSEAS Transactions on Environment and Development, 2022
23. An Investigative Analysis for IoT Based Supply Chain Coordination and Control Through Machine Learning  
Veerasamy, K., Sanyal, S., Almahairah, M.S.Z., Saxena, M., Bhanushali, M.M.  
Communications in Computer and Information Science, 2022