



SDG11: SUSTAINABLE CITIES AND COMMUNITIES

11.1 Research on sustainable cities and communities

11.1.1 Sustainable Cities and Communities: CiteScore

Isra University is engaged in research aimed at promoting sustainable cities and communities through innovative research. Currently, there are approximately 52 research publications related to SDG 11, with 23 were published between 2022 and 2023. From the 23 publications, 34 citations and none of the publications CiteScore exceeded the top 90th 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](#) ↗

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. Coupling membrane electro-bioreactor with anammox process to treat wastewater at low temperatures
Adam Lagum, A.A., Al-Ghriyah, M., Al-Ma'Abreh, A.M.
Arabian Journal of Chemistry, 2023 (4 citation, 64th percentile, FWCI 0.71)
2. 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 (0 citation, - percentile, FWCI -)
3. Assessment of risks affecting the operational activities of the Amman bus rapid transit (BRT) system
Alnsour, M.A.
Alexandria Engineering Journal, 2023 (1 citation, 46th percentile, FWCI 0.26)
4. Castles in Jordan: A Comparative Study of the Islamic and Crusader Castles
Al-Haddad, M., Ghazaleh, S.A., Atiyat, D., Egho, S.
Civil Engineering and Architecture, 2023 (0 citation, - percentile, FWCI -)
5. A Study of Global Solar Radiations Measurement in Java Island, Indonesia
Pachman, A.F., Didane, D.H., Wijianto, u., ...Al-alimi, S., Manshoor, B.B.
Evergreen, 2023 (6 citation, 71th percentile, FWCI 1.15)
6. Using Simulation to Maximize the Solar Energy Utilization in Buildings in Amman, Jordan
Alsoub, A., Al-Omari, K.A., Atiyat, D., Yousef, S.I.
Civil Engineering and Architecture, 2023 (0 citation, - percentile, FWCI -)
7. Detecting Distracted Drivers Using Convolutional Neural Networks
Tarabin, M., Alketbi, M.M., Alfalasi, H.R., Alsmirat, M.A., Sharrab, Y.O.
2023 International Conference on Intelligent Data Science Technologies and Applications, IDSTA 2023, 2023 (2 citation, 87th percentile, FWCI 2.11)
8. Artificial Intelligence Traffic Analysis Framework for Smart Cities
Tarawneh, M., AlZyoud, F.Y., Sharrab, Y.O.
Lecture Notes in Networks and Systems, 2023 (2 citation, 87th percentile, FWCI 2.19)
9. Improved model for traffic accidentmanagement system using KDD and big data: case study Jordan
AlZyoud, F.Y.
International Journal of Computers, Communications and Control, 2023 (4 citation, 68th percentile, FWCI 0.84)
10. Architectural Monuments in the Urban Structure as A Factor in the City Humanization: The Case of Jordan
Al-Haddad, M., Al Shawabkeh, R.K., Linda, S.M., Atiyat, D.
Civil Engineering and Architecture, 2022 (0 citation, percentile, FWCI)
11. 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, 76th percentile, FWCI 1.24)

12. Developing an assessment model for measuring roads infrastructure sustainability in Jordan
Al Hazaimeh, I., Alnsour, M.A.
Innovative Infrastructure Solutions, 2022 (5 citation, 55th percentile, FWCI 0.55)
13. THE MOST SUITABLE SEISMIC STRUCTURAL SYSTEMS IN HIGH-RISE REINFORCED CONCRETE BUILDINGS
Masheh, O.H.F., Al-Lami, M.S.
International Journal of GEOMATE, 2022 (0 citation, percentile, FWCI)
14. Artificial Intelligence Empowered Internet of Things for Smart City Management
Rath, A., Kannapiran, E., Almahairah, M.S.Z., Bora, A., Chowdhury, S.
Communications in Computer and Information Science, 2022 (0 citation, percentile, FWCI)

11.1.2 Sustainable Cities and Communities: FWCI

The FWCI of the publication that address SDG11 ranged from 0.26 to 2.19

11.1.3 Sustainable Cities and Communities: publications

As stated above the total number of publications was 52 and 23 were for the academic year 2022-2023.

11.2.1 Public access to buildings

Visitors are allowed to access the buildings such as Library, sport facility and football stadium. Isra University has a variety of sports facilities that have been open to the public. The use of these facilities by the public can be free or charged. For instance, football stadium has been used for training by the national team, and other local clubs. Isra University has been using its sports facilities in organising various sports competitions, for both genders, for local communities and universities at the national level. In addition, the university encourages the use of its sports facilities, by students, faculty members and university affiliates. This is explicitly mentioned on the webpage of the deanship of student affairs. [Students activities \(iu.edu.jo\)](http://iu.edu.jo)

Examples of sports activities are provided below:

- The university opens its sports facilities for the national teams, this has been the intention since 2010 and is mentioned in one of the major newspapers in Jordan.
- Isra University has made its sports fields available for use by national teams. This initiative reflects the university's support for sports and national athletic programs, offering its facilities to enhance training opportunities for various sports teams representing the country. For more detailed information, please refer to the original article on Al Rai's website.
[جامعة الإسراء تفتح ملاعبها للمنتخبات الوطنية | صحيفة الرأي \(alrai.com\)](http://alrai.com)
- On 01-09-2019, Al-Wahdat Club at Al-Isra University. The President of Isra University, received the Chairman of the Public Relations Committee for Al-Wahdat Club and his accompanying delegation. The president pointed out the role Al-Wahdat Club plays in supporting Jordanian

sports and quest to develop and compete in various occasions. The chairman of the committee expressed the club's keenness to cooperate with the university in different sports and social fields, believing that the club's role is not limited to sports but extends to serving the community in various other fields. The head of the committee, thanked the university president for providing lucrative partial discounts to the club's fans and members and for allowing the club team to train at the university stadium.

<https://iu.edu.jo/index.php/ar/all-news/2902-2019-09-04-10-42-37>

- On 27-07-2023, the deanship of student affairs (Sports Activity Division) of Isra University organised over the course of two days a sports and arts day for Marj Al-Hamam guidance group. This activity symbolises the role of the university in serving various sectors of the local community and its mission to strengthen ties with the local communities. The activity involved various sporting events, and lectures on the rules in some sports such as basketball. There was also a workshop on how to draw on glass. It is important to note that the relationship between the university and the Marj Al-Hamam Guidance Group is a close cooperative relationship that aims to serve the local community in various ways. <https://www.iu.edu.jo/index.php/ar/all-news/1255003332-iu-32407>



- On 09-05-2023, The conclusion of the Jordan universities female football championship for halls at Isra University gymnasium. The event was organised by the Jordanian Universities Sports Federation in cooperation with Al-Isra University (Deanship of Student Affairs - Division of Sports Activity) during the period from 2nd to the 9th of May 2023. <https://www.iu.edu.jo/index.php/ar/all-news/1255003212-iu-98700009999>

11.2.2 Public access to libraries

- **Free Access to Campus Facilities and Equipment:**

- In line with the university's mission and its social responsibility with the community and to strengthen the cooperation between the university and other academic, cultural and training institutions and the public in general, the library does the following:

- Offers training courses on library and information sciences.

- Hosts individual and group visits and introducing library services and making various resources available to the public.

- Hosts visits of school students to the library and introduces the library's holdings and services.

- Provides a special hall for children equipped with appropriate furniture and various books and stories.

- The library is also ready to provide various services to the local community according to the instructions that were agreed upon with the **Centre of Excellence in Library Services for Jordanian Private Universities** (under implementation).

- <https://www.iu.edu.jo/index.php/ar/library-services>

11.4.1 Promote sustainable commuting

IU Provides free transportation to all students and staff to reduce traffic congestion. Using group transportation in a single vehicle lowers carbon dioxide emissions.

80% Faculty Heating

