

Sustainability Research / Faculty of Engineering / Department of Civil Engineering 2025-2026

No.	College and department	Instructor's Name	Research title	Publication date	Journal name	Journal condition
1	Eng. / Civil DEPT.	Ashtar S. Al Luhybi	Evaluating the mechanical performance and durability of cement mortars incorporating sesame shells as partial cement and sand replacement	1/7/2025	Scientific Reports Journal	Scopus
2	Eng. / Civil DEPT.	Ashtar S. Al Luhybi	Predicting the compressive strength of concrete containing recycled fine aggregate using early age test	6/1/2025	Civil and Environmental Engineering	Scopus
3	Eng. / Civil DEPT.	Musaab Sami Al Obeidy	Modeling safety as a walkability pillar: key indicators enhancing social interaction in mixed-use streets	10/28/2025	Journal of Umm Al-Qura University for Engineering and Architecture	Local
4	Eng. / Civil DEPT.	Dr. Oday Asal Salih	Characteristics of environmentally-friendly cement and lime mortar containing recycled granite waste as a partial replacement of fine aggregate	1/10/2026	Research on Engineering Structures and Materials	Scopus
5	Eng. / Civil DEPT.	Dr. Oday Asal Salih	Mechanical properties of concrete mixture mix types C30 & C45 with recycled HDPE replacement as coarse aggregate	12/27/2025	Misan Journal of Engineering Sciences (MJES)	Local
6	Eng. / Civil DEPT.	Dr. Muna M. A. Hano	Fracture energy and mechanical properties of concrete incorporated with recycled coarse concrete aggregate exposed to high temperatures	2025	Civil and Environmental Engineering	Scopus
7	Eng. / Civil DEPT.	Dr. Muna M. A. Hano	Fracture toughness of fibrous concrete incorporated with treated recycled aggregates	2025	Civil Engineering Journal	Scopus
8	Eng. / Civil DEPT.	Dr. Sofyan Younis Ahmed	Fracture Energy and Mechanical Properties of Concrete Incorporated with Recycled Coarse Concrete Aggregate Exposed to High Temperatures	1/12/2025	Civil and Environmental Engineering	Scopus
9	Eng. / Civil DEPT.	Riffa D Shlla	Effect of Aspect Ratio of Recycled Plastic Strips on Mechanical Behavior of Concrete at Different Ages	30/10/2025	Journal of University of Babylon for Engineering Sciences (JUBES)	Local
10	Eng. / Civil DEPT.	Dr. Sofyan Younis Ahmed	Studying the Fracture Energy of Concrete Containing Treated Crushed Limestone	18/11/2025	IOP Conference Series: Earth and Environmental Science	Scopus

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11	Eng. / Civil DEPT.	Dr. Sofyan Younis Ahmed	Fracture Toughness of Fibrous Concrete Incorporated with Treated Recycled Aggregates	1/9/2025	Civil Engineering Journal (IRAN)	Scopus
12	Eng. / Civil DEPT.	Dr. Sofyan Younis Ahmed Dr. Eman Kh. Ibrahim Jallo	Activation Energy of Lime Cement Containing Pozzolanic Materials	3/1/2025	Journal of the Mechanical Behavior of Materials	Scopus
13	Eng. / Civil DEPT.	Mustafa Abdul Basit Dr. Sofyan Younis Ahmed Dr. Eman Kh. Ibrahim Jallo	Studying the Fracture Energy of Concrete Containing Treated Crushed Limestone	11/1/2025	IOP Conference Series: Earth and Environmental Science	Scopus
14	Eng. / Civil DEPT.	Mohamed Saad Fadel Dr. Eman Kh. Ibrahim Jallo	Effect of acid attack on the performance of reactive powder concrete incorporating supplementary cementitious materials	1/1/2026	Journal of Engineering and Sustainable Development	Scopus
15	Eng. / Civil DEPT.	Dr. Nadiya Sadeek Alsaffar	Mechanical properties of self-curing concrete containing recycled materials	30/12/2025	Journal's University of Babylon for Engineering Sciences (JUBES)	Scopus
16	Eng. / Civil DEPT.	Dr. Nadiya Sadeek Alsaffar	Regression analysis of shear and tensile strength in sustainable concrete with recycled ceramic and glass	1/12/2025	Misan Journal of Engineering Sciences	Local
17	Eng. / Civil DEPT.	Dr. Muna M. A. Hano	Retrofitting reinforced concrete beams with Eco-Friendly ferrocement mortar	2025	The Open Civil Engineering Journal	Scopus
18	Eng. / Civil DEPT.	Dr. Muna M. A. Hano	Performance of recycled aggregate concrete columns strengthened with ferrocement	2026	Passer Journal of Basic and Applied Sciences	Scopus