

## Research on Sustainability – College of Engineering - Department of Civil Engineering (2025–2026)

No.	College/ Department	Author Names	Research Title	Date of Publishing	Journal Title	Journal Status
1	Engineering/ Civil	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	Scoups
2	Engineering/ Civil	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	Scoups
3	Engineering/ Civil	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	Scoups
4	Engineering/ Civil	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	Scoups
5	Engineering/ Civil	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	Engineering/ Civil	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	Scoups
7	Engineering/ Civil	Dr. Muna M. A. Hano	Fracture toughness of fibrous concrete incorporated with treated recycled aggregates	2025	Civil Engineering Journal	Scoups
8	Engineering/ Civil	Dr. Sofyan Y. 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	Scoups

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9	Engineering/ Civil	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	Engineering/ Civil	Dr. Sofyan Y. Ahmed	Studying the Fracture Energy of Concrete Containing Treated Crushed Limestone	18/11/2025	IOP Conference Series: Earth and Environmental Science	Scoups
11	Engineering/ Civil	Dr. Sofyan Y. Ahmed	Fracture Toughness of Fibrous Concrete Incorporated with Treated Recycled Aggregates	1/9/2025	Civil Engineering Journal (IRAN)	Scoups
12	Engineering/ Civil	Dr. Sofyan Y. Ahmed Dr. Eman Kh. Ibrahim	Activation Energy of Lime Cement Containing Pozzolanic Materials	3/1/2025	Journal of the Mechanical Behavior of Materials	Scoups
13	Engineering/ Civil	Mustafa. A. Ibrahim Dr. Sofyan Y. Ahmed Dr. Eman Kh. Ibrahim	Studying the Fracture Energy of Concrete Containing Treated Crushed Limestone	11/1/2025	IOP Conference Series: Earth and Environmental Science	Scoups
14	Engineering/ Civil	Mohammed S. Fadhil Dr. Eman Kh. Ibrahim	Effect of acid attack on the performance of reactive powder concrete incorporating supplementary cementitious materials	1/1/2026	Journal of Engineering and Sustainable Development	Scoups
15	Engineering/ Civil	Dr. Nadiya Sadeek Alsaffar	Mechanical properties of self-curing concrete containing recycled materials	30/12/2025	Journal of University of Babylon for Engineering Sciences (JUBES)	Local
16	Engineering/ Civil	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	Engineering/ Civil	Dr. Muna M. A. Hano	Retrofitting reinforced concrete beams with Eco-Friendly ferrocement mortar	2025	The open civil engineering Journal	Scoups
18	Engineering/ Civil	Dr. Muna M. A. Hano	Performance of recycled aggregate concrete columns strengthened with ferrocement	2026	Passer Journal of Basic and Applied Sciences	Scoups