

The total number of research papers published in Scopus in the civil Department during the year 2020

No	Researcher's name	Research Title	Name of the journal/conference	Year of Publication	Search within Scopus	Search link on the magazine's website
1	Akram S. Mahmoud	An Innovative Method of Voided Reinforced Concrete One-Way Slabs Using Bundled Waste PET Bottled Tubes	Materials Science Forum	2020	√	https://www.scientific.net/MSF.1007.76
2	kram S. Mahmoud Y A Mansoor	The effect of corroded stirrups on shear behavior of reinforced concrete beams	The Fourth Scientific Conference for Engineering and Postgraduate Research 16-17 December 2019, Baghdad, Iraq	2020	√	https://iopscience.iop.org/article/10.1088/1757-899X/745/1/012127
3	Akram S. Mahmoud Sheelan Mahmoud Hama	Mechanical Properties, Energy Impact Capacity and Bond Resistance of concrete incorporating waste glass powder	IOP Conf. Series: Materials Science and Engineering	2020	√	https://iopscience.iop.org/article/10.1088/1757-899X/745/1/012111/meta
4	Sheelan Mahmoud Hama	Behavior of concrete incorporating waste plastic as fine aggregate subjected to compression, impact load and bond resistance	European Journal of Environmental and Civil Engineering	2020	√	https://doi.org/10.1080/19648189.2020.1798287
5	Sheelan Mahmoud Hama Mohammed H. Mhana	Flexural behavior of one-way ferrocement slabs with fibrous cementitious matrices	Periodicals of Engineering and Natural Sciences	2020	√	http://pen.ius.edu.ba/index.php/pen/article/view/1548
6	Mahmoud Khashaa Mohammed Sheelan Mahmoud Hama	Optimization of glass powder content in self-compacting concrete as partial replacement of cement	IOP Conference Series: Materials Science and Engineering	2020	√	https://iopscience.iop.org/article/10.1088/1757-899X/928/2/022140/meta
7	Dhifaf Natiq Hamdullah, Sheelan Mahmoud Hama	Effect of Eggshell Waste Powder on Impact Resistance and Bond Characteristics of Reinforced Concrete	Key Engineering Materials	2020	√	https://www.scientific.net/KEM.870.21
8	Mohammed H. Mhana	The determination of ground granulated concrete compressive strength based machine-learning models.	Periodicals of Engineering and Natural Sciences	2020	√	http://pen.ius.edu.ba/index.php/pen/article/view/1344
9	Mohammed H. Mhana	Pomegranate peel as adsorbent material to remove zinc ions from aqueous medium.	Journal of Green Engineering	2020	√	http://www.jgenng.com/volume10-issue5.php
10	Ayad Sliebi Mustafa	Evaluation of Recycled Demolition Waste Aggregates for base and subbase use in Roads	IOP Conf. Series: Materials Science and Engineering	2020	√	https://iopscience.iop.org/article/10.1088/1757-899X/870/1/012089/meta
11	Ahmed Rahomi Rajab	A Novel Composite Polymer for Chemical Oxygen Demand and Total Suspended Solids Removal	IEEE Xplore	2020	√	https://ieeexplore.ieee.org/document/9073478
12	Ahmed H Abdulkareem	Multiple Regression and ANN (MLP) Model for Predicting Swelling index of Ramadi Cohesive Soil	IOP Conference Series: Materials Science and Engineering	2020	√	https://iopscience.iop.org/article/10.1088/1757-899X/737/1/012116/meta

13	Talal H. Fadhil	The Influence of Curing Methods on Marshall Stability and Flow	IOP Conference Series Materials Science and Engineering 671:012132	2020	✓	https://iopscience.iop.org/article/10.1088/1757-899X/671/1/012132/meta
14	Hameed Aswad Mohammed	Development and Evaluation of Temporary Traffic Control Devices for Unmanned Aerial System Operations	Journal of Surveying Engineering, ASCE	2020	✓	https://ascelibrary.org/doi/10.1061/%28ASCE%29SU.1943-5428.0000309
15	Hameed Aswad Mohammed	Drivers' Visual Attention During the Onset of the Circular Yellow Indication at High-Speed Signalized Intersection	Traffic Injury Prevention	2020	✓	https://www.tandfonline.com/doi/abs/10.1080/15389588.2020.1741559?journalCode=gpci20
16	Hamid Alacash	Community Participation Towards Sustainability Enhancement of Transportation Sector for Baghdad City	Conference on Sustainable Urban Mobility, 106-115	2020	✓	https://link.springer.com/chapter/10.1007/978-3-030-61075-3_11
17	Duraïd M. Abd Taher M. Ahmed	Evaluation of Warm Mix Asphalt Produced from Iraqi Materials	Proceedings of the 9th International Conference on Maintenance and Rehabilitation of Pavements—Mairepav9	2020	✓	https://link.springer.com/chapter/10.1007/978-3-030-48679-2_5
18	Maher Mahmood	Multiple Linear Regression Models for Predicting Surface Damage Due to Repeated Dynamic Loading on Submerged Asphalt Pavement	Lecture Notes in Civil Engineering	2020	✓	https://link.springer.com/chapter/10.1007/978-3-030-48679-2_91
19	Maher Mahmood	Multi-Types of Flexible Pavement Deterioration Prediction Models	6th International Engineering Conference "Sustainable Technology and Development", IEC 2020	2020	✓	https://ieeexplore.ieee.org/document/9122932
20	Maher Mahmood	A fuzzy inference system for predicting pavement surface damage due to combined action of traffic loading and water	International Journal of Pavement Engineering	2020	✓	https://doi.org/10.1080/10298436.2020.1742333
21	Maher Mahmood	A unified artificial neural network model for asphalt pavement condition prediction	Proceedings of the Institution of Civil Engineers-Transport	2020	✓	https://doi.org/10.1680/jtran.19.00111
22	Khalid B. Najim	Residual mechanical properties of high strength self-compacting concrete with reused steel fibers at high temperatures	Journal of Green Engineering	2020	✓	http://www.jgenng.com/wp-content/uploads/2020/08/volume10-issue6-43.pdf
23	Ahmed H Abdulkareem, Taher M. Ahmed	The Effect of Fly Ash Based Geopolymer on the Strength of Problematic Subgrade Soil with High CaO Content	Lecture Notes in Civil Engineering	2020	✓	https://doi.org/10.1007/978-3-030-48679-2_51
24	Taher M. Ahmed, Thamer Yousif Ahmed	Evaluating fatigue performance of hot-mix asphalt using degradation parameters	Construction Materials	2020	✓	https://www.icevirtuallibrary.com/doi/abs/10.1680/jcoma.17.00066

25	Ahmed Hilal Farhan	Compressive behaviour of rubberized cement-stabilized aggregate mixtures	Construction and Building Materials	2020	v	https://www.sciencedirect.com/science/article/abs/pii/S0950061820320432
26	Ahmed Hilal Farhan	Behaviour of rubberised cement-bound aggregate mixtures containing different stabilisation levels under static and cyclic flexural loading	Road Materials and Pavement Design	2020	v	https://www.tandfonline.com/doi/abs/10.1080/14680629.2019.1605924?journalCode=trmp20
27	Ahmed Hilal Farhan	Effect of rubber incorporation on the behavior of pavement cemented mixtures under cyclic flexural loading: A preliminary study	Journal of Testing and Evaluation	2020	v	https://www.astm.org/DIGITAL_LIBRARY/JOURNAL/S/TESTEVAL/PAGES/JTE20170746.htm
28	Ammar Adham	A GIS-Based Multicriteria Analysis in Modeling Optimum Sites for Rainwater Harvesting	Hydrology	2020	v	https://www.mdpi.com/2306-5338/7/3/51



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