

بيان بالإنتاج العلمي لأعضاء هيئة التدريس لبرنامج الهندسة المدنية لسنة ٢٠٢٤

NO.	Year	Research Title	Author
1	2024	A Review on the Effect of Marble Powder on Properties of Self Compacting Concrete	Prof.Dr.Mohamed Amin
2	2024	Sustainable Disposal of Different Solid Wastes as Aggregate for Fabricating Lightweight Concrete: Physio-Mechanical Performance and Durability	Prof.Dr.Mohamed Amin
3	2024	Performance Evaluation of Sustainable High-Strength Lightweight Concrete Incorporating Wastes as Aggregates at Elevated Temperatures	Prof.Dr.Mohamed Amin
4	2024	Effect of industrial wastes on the properties of sustainable ultra-high-performance concrete: Granite, ceramic, and glass	Prof.Dr.Mohamed Amin
5	2024	Effect of peanut and sunflower shell ash on properties of sustainable high-strength concrete	Prof.Dr.Mohamed Amin
6	2024	Effect of olive waste ash on the properties of high-strength geopolymer concrete	Prof.Dr.Mohamed Amin
7	2024	Mechanical properties, attenuation coefficient, and microstructure of ultra high-performance heavyweight concrete for radiation shielding applications	Prof.Dr.Mohamed Amin
8	2024	Mechanical properties, attenuation coefficient, and microstructure of ultra high-performance heavyweight concrete for radiation shielding applications	Prof.Dr.Mohamed Amin

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No.	Year	Research Title	Author
1	2023	Effect of air entraining and pumice on properties of ultra-high performance lightweight concrete	Prof.Dr.Mohamed Amin
2	2023	Effect of heavy-weight recycled materials on radiation shielding and properties of high-strength concrete with CEM III	Prof.Dr.Mohamed Amin
3	2023	Using a combination of industrial and agricultural wastes to manufacture sustainable ultra-high-performance concrete,	Prof.Dr.Mohamed Amin
4	2023	Effects of nano titanium and nano silica on high-strength concrete properties incorporating heavyweight aggregate	Prof.Dr.Mohamed Amin
5	2023	Ultra-high-performance concrete properties containing rice straw ash and nano eggshell powder	Prof.Dr.Mohamed Amin
6	2023	Effect of using sugarcane leaf ash and granite dust as partial replacements for cement on characteristics of ultra-high performance concrete	Prof.Dr.Mohamed Amin
7	2023	Properties and durability of self-compacting concrete incorporated with nanosilica, fly ash, and limestone powder	Prof.Dr.Mohamed Amin
8	2023	Optimizing microencapsulated PCM ratios of sustainable cement mortar for energy savings in buildings	Prof.Dr.Mohamed Amin
9	2023	Effect of Glass Powder on High-Strength Self-Compacting Concrete Durability	Prof.Dr.Mohamed Amin
10	2023	Properties of sustainable high-strength concrete containing large quantities of industrial wastes, nanosilica and recycled aggregates	Prof.Dr.Mohamed Amin
11	2023	Effect of agricultural olive, rice husk and sugarcane leaf waste ashes on sustainable ultra-high-performance concrete	Prof.Dr.Mohamed Amin
12	2023	Effect of polypropylene and glass fiber on properties of lightweight concrete exposed to high temperature	Prof.Dr.Mohamed Amin



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13	2023	Effect of modified nano-titanium and fly ash on ultra-high-performance concrete properties	Prof.Dr.Mohamed Amin
14	2023	Engineering properties of ultra-high strength concrete containing sugarcane bagasse and corn stalk ashes	Prof.Dr.Mohamed Amin
15	2023	Investigation of the Physical Mechanical Properties and Durability of Sustainable Ultra-High Performance Concrete with Recycled Waste Glass	Prof.Dr.Mohamed Amin
16	2023	Improving the brittle behavior of high-strength shielding concrete blended with lead oxide, bismuth oxide, and tungsten oxide nanoparticles against gamma ray	Prof.Dr.Mohamed Amin
17	2023	Structural system yielding minimum differences between ordinary and staged analyses	Dr.Mohamed Ibrahim Metwally
18	2023	Assessment of mitigation alternatives for differential shortening in high-rise reinforced concrete buildings	Dr.Mohamed Ibrahim Metwally



بيان بالإنتاج العلمي لأعضاء هيئة التدريس لبرنامج الهندسة المدنية لسنة ٢٠٢٢

NO.	Year	Research Title	Author
1	2022	Effect of nano ferrosilicon and heavyweight fine aggregates on the properties and radiation shielding of ultra-high performance heavyweight concrete	Prof.Dr.Mohamed Amin
2	2022	Effects of sugarcane bagasse ash and nano eggshell powder on high-strength concrete properties	Prof.Dr.Mohamed Amin
3	2022	Thermal, mechanical and microstructural properties of sustainable concrete incorporating Phase change materials	Prof.Dr.Mohamed Amin
4	2022	Study of the properties of wood manufactured from wood waste	Prof.Dr.Mohamed Amin
5	2022	Properties and durability of high performance heavy weight concrete incorporating black sand and different heavy weight aggregates types	Prof.Dr.Mohamed Amin
6	2022	Effects of nano sized sesame stalk and rice straw ashes on high-strength concrete properties	Prof.Dr.Mohamed Amin
7	2022	Metal-NailsWaste and Steel Slag Aggregate as Alternative and Eco-Friendly Radiation Shielding Composites	Prof.Dr.Mohamed Amin
8	2022	Effect of aggregate and fibre types on ultra-high-performance concrete designed for radiation shielding	Prof.Dr.Mohamed Amin
9	2022	Effect of rice straw ash and palm leaf ash on the properties of ultrahigh-performance concrete	Prof.Dr.Mohamed Amin
10	2022	Mechanical and light transmittance properties of high-performance translucent concrete	Prof.Dr.Mohamed Amin
11	2022	Durability and mechanical characteristics of sustainable self-curing concrete utilizing crushed ceramic and brick wastes	Prof.Dr.Mohamed Amin
12	2022	Effect of different burning degrees of sugarcane leaf ash on the properties of ultrahigh-strength concrete	Prof.Dr.Mohamed Amin



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13	2022	Thermal and Mechanical Properties of Mortar Incorporated with Phase Change Materials (PCMs)	Prof.Dr.Mohamed Amin
14	2022	Properties and Microstructure of High Strength Concrete Incorporating Different Supplementary Cementitious Materials	Prof.Dr.Mohamed Amin
15	2022	Effects of nano-silica and micro-steel fiber on the engineering properties of ultra-high performance concrete	Prof.Dr.Mohamed Amin
16	2022	Effect of environmentally friendly materials on steel corrosion resistance of sustainable UHPC in marine environment	Prof.Dr.Mohamed Amin
17	2022	Mechanical properties of affordable and sustainable ultra-high-performance concrete	Prof.Dr.Mohamed Amin
18	2022	Influence of recycled aggregates and carbon nanofibres on properties of ultra-high-performance concrete under elevated temperatures	Prof.Dr.Mohamed Amin
19	2022	A comprehensive review on the use of sugarcane bagasse ash as a supplementary cementitious material to produce eco-friendly concretes	Prof.Dr.Mohamed Amin
20	2022	Behavior evaluation of sustainable high strength geopolymer concrete based on fly ash, metakaolin, and slag	Prof.Dr.Mohamed Amin
21	2022	A new systematic firefly algorithm for forecasting the durability of reinforced recycled aggregate concrete	Prof.Dr.Mohamed Amin
22	2022	Effect of air agent on mechanical properties and microstructure of lightweight geopolymer concrete under high temperature	Prof.Dr.Mohamed Amin
23	2022	Review on effect of steam curing on behavior of concrete	Prof.Dr.Mohamed Amin
24	2022	Effect of ferrosilicon and silica fume on mechanical, durability, and microstructure characteristics of ultra high-performance concrete	Prof.Dr.Mohamed Amin
25	2022	Possibilities for the application of agro-industrial wastes in cementitious materials: A brief review of the Brazilian perspective	Prof.Dr.Mohamed Amin



NO.	Year	Research Title	Author
26	2022	Fresh and mechanical properties overview of alkali-activated materials made with glass powder as precursor	Prof.Dr.Mohamed Amin
27	2022	BEHAVIOR OF REINFORCED SAND SLOPE WITH A SOFT POCKET– EXPERIMENTAL AND NUMERICAL STUDY	Dr.Engi Mohamed Kasem
28	2022	Analysis of spatial and temporal variation of precipitable water vapor using COSMIC radio occultation observations over Egypt	Dr.Abd Elrahman Ahmed Yassien



بيان بالإنتاج العلمي لأعضاء الهيئة المعاونة لبرنامج الهندسة المدنية من عام ٢٠٢٢ إلى ٢٠٢٤

NO.	Year	Research Title	Author
1	2024	Assessing the compatibility of EPR rates with one-dimensional numerical modelling in monitoring shoreline kinematics along with supplying near/long-term forecasts	NADA AHMED MANSOUR
2	2024	Design resistance strengths of composite steel box girder bridge using different codes	AYMAN ADEL EL Masry
3	2024	Leveraging convolutional neural networks for efficient classification of heavy construction equipment	MOHAMED FAHMI EL BAZ
4	2024	Mechanical properties, attenuation coefficient, and microstructure of ultra high-performance heavyweight concrete for radiation shielding applications	MONA AWADEN
5	2023	Mechanical Properties of Sustainable Concrete Utilizing Rubber Wastes as Fine Aggregate Replacement	AHMED ADEL ABDEHAMID
6	2022	Part I: Preliminary Proportion Limits of Composite Steel Box Girder in Bridges Using Different Codes	AYMAN ADEL EL Masry
7	2022	Studying The Behavior of Cold-Formed Steel Sections in Lightweight Buildings	AMAL BADR
8	2022	Durability and mechanical characteristics of sustainable self-curing concrete utilizing crushed ceramic and brick wastes	MOHAMED OSAMA YOUNIS
9	2020	Prediction of Shoreline Deformation around Multiple Hard Coastal Protection Systems.	NADA AHMED MANSOUR
10	2020	HISTORICAL SHORELINE TREND ANALYSIS IN THE VICINITY OF EL-HAMMRA PORT AT NORTHWESTERN COAST OF EGYPT	NADA AHMED MANSOUR