

## Theme 3-7: Structures and Structural Materials - 2023

Title	Authors	Scopus Source title	Source type
Recycling solid waste to produce eco-friendly ultra-high performance concrete: A review of durability, microstructure and environment characteristics	Hamada, H.M.   Shi, J.   Abed, F.   Al Jawahery, M.S.   Majdi, A.   Yousif, S.T.	Science of the Total Environment	Journal
Experimental and numerical study of the flexural response of Ultra High Performance Concrete (UHPC) beams reinforced with GFRP	Mahaini, Z.   Abed, F.   Alhoubi, Y.   Elnassar, Z.	Composite Structures	Journal
A comprehensive review on the use of natural fibers in cement/geopolymer concrete: A step towards sustainability	Abdalla, J.A.   Hawileh, R.A.   Bahurudeen, A.   Jyothsna, G.   Sofi, A.   Shanmugam, V.   Thomas, B.S.	Case Studies in Construction Materials	Journal
Properties of concrete with partial replacement of cement with different percentages of micro silica and nano silica	Hawileh, R.A.   Al Rashed, A.   Mhanna, H.H.   Abdalla, J.A.	Materials Today: Proceedings	Journal
Properties of concrete replaced with different percentages of recycled aggregates	Hawileh, R.A.   Mhanna, H.H.   Abdalla, J.A.   AlMomani, D.   Esrep, D.   Obeidat, O.   Ozturk, M.	Materials Today: Proceedings	Journal
Flexural behavior of circular concrete filled steel tubes with partially incorporated demolished concrete lumps	Khalaf, S.   Abed, F.   Alhoubi, Y.	Composites Part C: Open Access	Journal
Experimental investigation of pre-damaged circular RC columns strengthened with fabric-reinforced cementitious matrix (FRCM)	Tello, N.   Abed, F.   ElRefai, A.   El-Maaddawy, T.   Alhoubi, Y.	Structural Concrete	Journal
Influence of synthesized nanomaterials in the strength and durability of cementitious composites	Abdalla, J.A.   Hawileh, R.A.   Bahurudeen, A.   Jittin   Syed Ahmed Kabeer, K.I.   Thomas, B.S.	Case Studies in Construction Materials	Journal
Effect of recycled seashells on concrete properties: A comprehensive review of the recent studies	Hamada, H.M.   Abed, F.   Tayeh, B.   Al Jawahery, M.S.   Majdi, A.   Yousif, S.T.	Construction and Building Materials	Journal
Residual mechanical properties of recycled aggregate concrete at elevated temperatures	Hawileh, R.A.   Quadri, S.S.   Abdalla, J.A.   Assad, M.   Thomas, B.S.   Craig, D.   Naser, M.Z.	Fire and Materials	Journal
Mechanical properties and durability of GGBS based geopolymer mortar	Mhanna, H.H.   Hawileh, R.A.   Abdalla, J.A.   Ayman, A.   Moussa, A.   El Din Mahdi, B.   Kuwatly, Y.	Materials Today: Proceedings	Journal
Influence of CFRP Spike Anchors on the Performance of Flexural CFRP Sheets Externally Bonded to Concrete	Alshami, G.S.   Hawileh, R.A.   Tatar, J.   Abdalla, J.A.	Journal of Composites for Construction	Journal
CFRP U-Wraps and Spike Anchors for Enhancing the Flexural Performance of CFRP-Plated RC Beams	Abdalla, J.A.   Mhanna, H.H.   Ali, A.B.   Hawileh, R.A.	Polymers	Journal
Impact of exposing GFRP bars to humid environments on the behavior of GFRP RC beams	Alkhraisha, H.   Abed, F.	Materials Today: Proceedings	Journal
Mechanical and durability evaluation of concrete prepared with recycled aggregate and treated wastewater	Ahmed, S.   Alhoubi, Y.   Elmesalami, N.   Yehia, S.   Abed, F.	Materials Today: Proceedings	Journal
Effect of Volcanic Ash and Natural Pozzolana on mechanical properties of sustainable cement concrete: A comprehensive review	Hamada, H.M.   Abed, F.   Beddu, S.   Humada, A.M.   Majdi, A.	Case Studies in Construction Materials	Journal
Effect of silica fume on the properties of sustainable cement concrete	Hamada, H.M.   Abed, F.   Binti Katman, H.Y.   Humada, A.M.   Al Jawahery, M.S.   Majdi, A.   Yousif, S.T.   Thomas, B.S.	Journal of Materials Research and Technology	Journal
Flexural Performance of UHPC Beams Reinforced with BFRP Bars	Abed, F.   Alhoubi, Y.   Mahaini, Z.	Lecture Notes in Civil Engineering	Book Series
Experimental Investigation of Concrete Cylinders Confined with PBO FRCM Exposed to Elevated Temperatures	Talo, R.   Abed, F.   El Refai, A.   Alhoubi, Y.	Fire	Journal
Durability performance of RC beams strengthened with CFRP laminates and galvanized steel mesh bonded with epoxy and mortar systems	Douier, K.   Hawileh, R.   Abdalla, J.A.   Al Nuaimi, N.   Ghous Sohail, M.	Structures	Journal
Influence of palm oil fuel ash on the high strength and ultra-high performance concrete: A comprehensive review	Hamada, H.   Abed, F.   Alattar, A.   Yahaya, F.   Tayeh, B.   Aisheh, Y.I.A.	Engineering Science and Technology, an International Journal	Journal
Influence of Optimum Particle Packing on the Macro and Micro Properties of Sustainable Concrete	Wisam J. Abushama , Adil K. Tamimi , Sami W. Tabsh, Magdi M. El-Emam, Ahmad Ibrahim and Taghreed Kh Mohammed Ali	Sustainability (Switzerland)	Journal