

Publication Year	Research Title	KFU Author	Journal Name
2019	A review of the evolution of technologies to use sulphur as a pavement construction material	Md. Kamrul Islam	International Journal of Pavement Engineering
	Impact of urbanization on CO2 and TVOC in an oasis city in Saudi Arabia	Md. Kamrul Islam	International Journal of Engineering, Construction and Computing
	Modelling of Asphalt's Adhesive Behaviour Using Classification and Regression Tree (CART) Analysis	MD Arifuzzaman	Computational Intelligence and Neuroscience
	Prediction and sensitivity analysis of CNTs-modified asphalt's adhesion force using a radial basis neural network model	MD Arifuzzaman	Journal of Adhesion Science and Technology
	Impact of Urbanization on co2 and TVOC in an oasis city in Saudi Arabia	Ammar Al-Shayeb	International Journal of Engineering , Construction and computing
	Cement- stabilized waste sand as sustainable construction materials for foundations and highway roads	Shalabi, F. I.	Material
	Variation in kikuyu grass yield in response to irrigation with secondary and advanced treated wastewaters	Muhammad Muhitur Rahman (Rahman, M.M)	Agricultural Water Management
	Impact of urbanization on CO2 and TVOC in an oasis city in Saudi Arabia	Muhammad Muhitur Rahman (Rahman, M.M)	International Journal of Engineering , Construction and computing
	The Effect of Irrigation Using Secondary and Advance Treated Wastewaters on Soil Properties under Kikuyu Grass Production	Muhammad Muhitur Rahman (Rahman, M.M)	Proceedings of 11th Eastern European Young Water Professionals Conference (IWA EE YWP 2019)
	Potential to produce poultry feed from food wastes	Muhammad Muhitur Rahman (Rahman, M.M)	Proceedings of 30th Annual Australian Poultry Science Symposium
	Regional Flood Frequency Analysis: Investigation of GEV distribution with L-moments for South East Australia	Muhammad Muhitur Rahman (Rahman, M.M)	Proceedings of 2nd International Conference on Water and Environmental Engineering (ICWEE2019)
	Optimisation of flange and web slenderness for pre-engineered built-up steel sections	Muhammad Umair Saleem	Proceedings of the Institution of Civil Engineers: Structures and Buildings
	Effect of fineness of basaltic volcanic ash on pozzolanic reactivity, ASR expansion and drying shrinkage of blended cement mortars	Muhammad Umair Saleem	Materials
	Finite element simulation of RC beams under flexure strengthened with different layouts of externally bonded fiber reinforced polymer (FRP) sheets	Muhammad Umair Saleem	Revista de la Construccion
	Cracking behavior of RC beams strengthened with different amounts and layouts of CFRP	Muhammad Umair Saleem	Applied Sciences
	Life- Cycle assessment of using sulfur-extended asphalt (SEA) in pavements	KAFFAYATULLAH KHAN	Airfield and Highway Pavements 2019
	Effect of fineness of basaltic volcanic ash on pozzolanic reactivity, ASR expansion and drying shrinkage of blended cement mortars	KAFFAYATULLAH KHAN	Materials
	Pozzolanic reactivity and the influence of rice husk ash on early-age autogenous shrinkage of concrete	KAFFAYATULLAH KHAN	Frontier in Materials
	Cement-stabilized waste sand as sustainable construction materials for foundations and highway roads	KAFFAYATULLAH KHAN	Materials
	Pozzolanic potential and mechanical performance of wheat straw ash incorporated sustainable concrete	KAFFAYATULLAH KHAN	Sustainability

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	Optimisation of flange and web slenderness for pre-engineered built-up steel sections	Hisham Qureshi	Proceedings of the Institution of Civil Engineers: Structures and Buildings
	Effect of fineness of basaltic volcanic ash on pozzolanic reactivity, ASR expansion and drying shrinkage of blended cement mortars	Hisham Qureshi	Materials
	Cracking behavior of RC beams strengthened with different amounts and layouts of CFRP	Hisham Qureshi	Applied Sciences
	Effect of fineness of basaltic volcanic ash on pozzolanic reactivity, ASR expansion and drying shrinkage of blended cement mortars	Muhammad Nasir Amin	Materials - MDPI
	Pozzolanic reactivity and the influence of rice husk ash on early-age autogenous shrinkage of concrete	Muhammad Nasir Amin	Frontier in Materials
	Pozzolanic potential and mechanical performance of wheat straw ash incorporated sustainable concrete	Muhammad Nasir Amin	Sustainability - MDPI
	Cracking behavior of RC beams strengthened with different amounts and layouts of CFRP	Muhammad Nasir Amin	Applied Sciences
2018	Modelling and Characterizing the Fatigue Behaviour of Asphaltic Concrete Mixtures	M. Aniq Gul	Journal of Construction and Building Material
	Flexural and shear strain characteristics of carbon fiber reinforced polymer composite adhered to a concrete surface	Muhammad Umair Saleem	Materials
	Design optimization of pre engineered steel truss buildings	Muhammad Umair Saleem	International Journal of Civil Engineering and Technology
	Design solutions for sustainable construction of pre engineered steel buildings	Muhammad Umair Saleem	Sustainability
	Effect of Elevated Temperatures on Mortar with Naturally Occurring Volcanic Ash and Its Blend with Electric Arc Furnace Slag	Muhammad Umair Saleem	Advances in Materials Science and Engineering
	A simplified approach for analysis and design of reinforced concrete circular silos and bunkers	Muhammad Umair Saleem	Open Construction and Building Technology Journal
	Effect of Elevated Temperatures on Mortar with Naturally Occurring Volcanic Ash and Its Blend with Electric Arc Furnace Slag	KAFFAYATULLAH KHAN	Advances in Materials Science and Engineering
	Flexural and shear strain characteristics of carbon fiber reinforced polymer composite adhered to a concrete surface	Hisham Qureshi	Materials
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	Finite element simulation of RC beams under flexure strengthened with different layouts of externally bonded fiber reinforced polymer (FRP) sheets	Muhammad Nasir Amin	Revista de la Construccion
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2017	Effect of by-product steel slag on the engineering properties of clay soils	Shalabi, F. I.	Jouranl of king Saud university-Engr Sci.
	Interaction of Twin Circular Shallow Tunnels in Soils-Parametric Study	Faisal I. Shalabi	Open Journal of Civil Engineering
	Improvement of locally available raw bentonite for use as drilling mud	Muhammad Umair Saleem	Open Construction and Building Technology Journal
	Influence of mechanically activated electric arc furnace slag on compressive strength of mortars incorporating curing moisture and temperature effects	Muhammad Umair Saleem	Sustainability
	Aging and curing temperature effects on compressive strength of mortar containing lime stone quarry dust and industrial granite sludge	Muhammad Umair Saleem	Materials
	Influence of fineness of volcanic ash and its blends with quarry dust and slag on compressive strength of mortar under different curing temperatures	KAFFAYATULLAH KHAN	Construction and Building Materials
	Improvement of locally available raw bentonite for use as drilling mud	KAFFAYATULLAH KHAN	Open Construction and Building Technology Journal
	Influence of mechanically activated electric arc furnace slag on compressive strength of mortars incorporating curing moisture and temperature effects	KAFFAYATULLAH KHAN	Sustainability
	Aging and curing temperature effects on compressive strength of mortar containing lime stone quarry dust and industrial granite sludge	KAFFAYATULLAH KHAN	Materials
	Influence of Fineness of Recycled Glass Waste and Slag on Compressive Strength of Sulphate Resisting Cement Mortars	Muhammad Nasir Amin	The Open Construction & Building Technology Journal
	Influence of fineness of volcanic ash and its blends with quarry dust and slag on compressive strength of mortar under different curing temperatures	Muhammad Nasir Amin	Construction and Building Materials
	Influence of mechanically activated electric arc furnace slag on compressive strength of mortars incorporating curing moisture and temperature effects	Muhammad Nasir Amin	Sustainability - MDPI
	Aging and curing temperature effects on compressive strength of mortar containing lime stone quarry dust and industrial granite sludge	Muhammad Nasir Amin	Materials - MDPI
	Absorption behaviours of copper, lead and arsenic in aqueous solution using date palm fibres and orange peel: Kinetics and thermodynamics	Muhammad Nasir Amin	Polish Journal of Environmental Studies
2016	Improvement of indoor air quality using local fabricated activated carbon from date stones	ZN Shatnawi	Sains Malaysiana
	Recycled Construction Debris as Concrete Aggregate for Sustainable Construction Materials	Ammar Al-Shayeb	Elsevier Journal
	Sealant Behavior of gasketed segmental tunnel lining-Conceptual model	Shalabi, F. I.	Geomechanik und Tunnelbau
	Shake table tests on FRP retrofitted masonry building models	Muhammad Umair Saleem	Journal of Composites for Construction
	A Comparative Study in Utilizing the Shell and Solid Elements Formulation for Local Corrosion Simulation at Bearing Stiffener	Muhammad Umair Saleem	Arabian Journal for Science and Engineering
	Performance evaluation of asphalt modified with municipalwastes for sustainable pavement construction	Muhammad Umair Saleem	Sustainability
	Seismic response of PP-band and FRP retrofitted house models under shake table testing	Muhammad Umair Saleem	Construction and Building Materials

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2016	A component-based study of the effect of diameter on bond and anchorage characteristics of blind-bolted connections	Muhammad Umair Saleem	Plos one
	Temperature and moisture effects on mechanical properties of concrete: Evaluation of prediction relations for sulphate resistant concrete	Muhammad Nasir Amin	International Journal of Structural Engineering
	Shake Table Tests on FRP Retrofitted Masonry Building Models	Muhammad Nasir Amin	ASCE Journal of Composites for Construction
	A Comparative Study in Utilizing the Shell and Solid Elements Formulation for Local Corrosion Simulation at Bearing Stiffener	Muhammad Nasir Amin	Arabian Journal for Science and Engineering
	Performance Evaluation of Asphalt Modified with Municipal Wastes for Sustainable Pavement Construction	Muhammad Nasir Amin	Sustainability - MDPI
	Seismic Response of PP-band and FRP Retrofitted House Models under Shake Table Testing	Muhammad Nasir Amin	Construction and Building Materials
	A Component-Based Study of the Effect of Diameter on Bond and Anchorage Characteristics of Blind-Bolted Connections	Muhammad Nasir Amin	PLOS ONE
	Improvement of Indoor air quality using local fabricated activated carbon from date stones	Muhammad Nasir Amin	Sains Malaysiana
2015	A Model to Evaluate Impact of Headway Variation and Vehicle Size on Reliability of Public Transit	Md. Kamrul Islam	Journal IEEE Intelligent Transport Systems Transactions and Magazine
	A Simplified Method for Performance Evaluation of Public Transit under Reneging Behavior of Passengers	Md. Kamrul Islam	Journal of Transportation Research Forum
	Correlation between indoor and outdoor air	ZN Shatnawi	WIT Transactions on Ecology and the Environment
	Fiber reinforced polymer and polypropylene composite retrofitting technique for masonry structures	Muhammad Umair Saleem	Polymers
	Fiber Reinforced Polymer and Polypropylene Composite Retrofitting Technique for Masonry Structures	Muhammad Nasir Amin	Polymers - MDPI
	Activation energy based prediction model to estimate hydration related properties of sulphate resistance concrete incorporating temperature and moisture effects	Muhammad Nasir Amin	Technical Journal of the Faculty of Engineering
	The influence of pH on heavy metals absorption on natural volcanic tuffs	Muhammad Nasir Amin	Technical Journal of the Faculty of Engineering
2014	A Bulk Queue Model for the Evaluation of Impact of Headway Variations and Passenger Waiting Behavior on Public Transit Performance	Md. Kamrul Islam	Journal IEEE Intelligent Transport Systems Transactions and Magazine
	Evaluation of Impacts of Dispatch Headway Variability in Bus Transit Systems in A Simulated Route	Md. Kamrul Islam	Journal of Trends in Transport Engineering and Applications
	Heavy metals removal using natural jordanian volcanic tuff	ZN Shatnawi	GSTF Journal of Engineering Technology (JET)
	Effect of sand densification due to pile-driven on pile side resistance	Faisal I. Shalabi	International Journal of Civil Engineering
	Cometabolic Degradation Kinetics of Trichloroethylene Based on Toluene Enhancement by Encapsulated Burkholderia cepacia G4	Muhammad Nasir Amin	CLEAN - Soil, Air, Water
	Cost-effective and sustainable solutions to enhance the solar disinfection efficiency improving the microbiological quality of rooftop-harvested rainwater	Muhammad Nasir Amin	Desalination and Water Treatment

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2014	Variation of Pseudomonas aeruginosa in rainwater harvesting systems: effects of different seasons, catchments & storage conditions	Muhammad Nasir Amin	CLEAN - Soil, Air, Water
	Solar Disinfection of Pseudomonas aeruginosa in Harvested Rainwater: A Step towards Potability of Rainwater	Muhammad Nasir Amin	PLOS ONE
	Effects of UV Blocking and Heat-Resistant Plastic Bags on Solar Disinfection of Rainwater at Different Weathers	Muhammad Nasir Amin	Environmental Engineering and Management Journal
	Environmental Dynamics and Engineered Systems for the Degradation of Trichloroethylene: A Critical Review	Muhammad Nasir Amin	Global NEST Journal
2013	Recycling Aggregate Waste -Product for sustainable concrete Manufacture	Ammar Al-Shayeb	1st Internatioal conference on concrete Sustainability
	Slope stability hazard evaluation and mitigation scheme for Sohbat Charra slide zone, district Battagram	KAFFAYATULLAH KHAN	Journal of Himalayan Earth Sciences
	Optimum Unbraced Length Ratios of Slender Steel Sections	Hisham Qureshi	International Journal of Engineering and Technology
	Minimum Weight Design of Pre Engineered Steel Structures using Built-up Sections and Cold Formed Sections	Hisham Qureshi	Advanced Materials Research
	Effects of Catchment, First-Flush, Storage Conditions, and Time on Microbial Quality in Rainwater Harvesting Systems	Muhammad Nasir Amin	Water Environment Research
	Prediction model for the hydration properties of concrete	Muhammad Nasir Amin	Computers and Concrete
	Developing correlation equations for converting among Coliforms, E. coli and HPC for rainwater disinfection by Sunlight	Muhammad Nasir Amin	Sains Malaysiana
	Application of a thermal stress device for the prediction of stresses due to hydration heat in mass concrete structure	Muhammad Nasir Amin	Construction and Building Materials
2012	Concrete segement tunnel lining sealant performance under eartquake loading	Shalabi, F. I.	Tunnelling and underground sapce technology
	Estimation of temperature effects on autogenous shrinkage of concrete by a new prediction model	Muhammad Nasir Amin	Construction and Building Materials
2010	Improving Test Methods to Measure Early Age Autogenous Shrinkage in Concrete Based on Air Cooling	Muhammad Nasir Amin	IES Journal Part A: Civil & Structural Engineering
	Assessment of cracking in concrete due to hydration heat and autogenous shrinkage	Muhammad Nasir Amin	International Journal of Structural Engineering
2009	Life- Cycle assessment of using sulfur-extended asphalt (SEA) in pavements	Shalabi, F. I.	Airfield and Highway Pavements 2019
	Effect of Grain Crushing and bedding plane inclination on Ras en-Naqab natural sand beahavior	Shalabi, F.	Electronic J. of Geot. Engr.
	Numerical Simulation of Fabric anisotropy and strain localization of sand under simple shear	Shalabi, F.	International J. for Numerical and Analytical methods geomechanics
	Elasto-plastic behavior of raghadan tunnel based on RMR and hoek-Brown classification	Shalabi, F. I.	Geotechnical and Geological Engr.
	Use of Asphalt in Concrete Mixes	Faisal, S.	Construction and Building Materials
	Simulation of the Thermal Stress in Mass Concrete using a Thermal Stress Measuring Device	Muhammad Nasir Amin	Cement and Concrete Research