

Construction Program International Publications – 2025

	Author Name	Affiliation	Research Title Journal	Date	Quartile	Journal Or Conference	DOI
1	Shahinaz A. Mahmoud	Lecturer Assistant	Towards construction of embankment on soft soil: a comparative study of lightweight materials and deep replacement techniques	Jan. 2025	Q1	Scientific Reports	https://doi.org/10.1038/s41598-024-77587-0
2	Shahinaz A. Mahmoud	Lecturer Assistant	Behaviour of Embankments Resting on Soft Soils Reinforced by Concrete Piles	Feb. 2025		Conference paper (ICASGE'25) under publishing and accepted in 2-1-2025	International Conference on Advances in Structural and Geotechnical Engineering (ICASGE'25) 14-17 April 2025, Hurghada, Egypt
3	Baher M. Abdel Fattah	Teacher Assistant	Modeling Liquefaction control in sandy soils with Vertical drains during earthquakes	Feb. 2025		Conference paper (ICASGE'25)	International Conference on Advances in Structural and Geotechnical Engineering (ICASGE'25) 14-17 April 2025, Hurghada, Egypt
4	Baher M. Abdel Fattah	Teacher Assistant	Modeling liquefaction Mitigation of loose soil subjected to seismic loads supported by vertical drains	Feb. 2025		Conference paper (ICASGE'25)	International Conference on Advances in Structural and Geotechnical Engineering (ICASGE'25) 14-17 April 2025, Hurghada, Egypt
5	Hassan Abd-elrahman Abo samra	Assistant Professor	Experimental and finite element studies of the application of ferrocement composite on runway rigid pavement	Feb. 2025		Conference paper (ICASGE'25)	International Conference on Advances in Structural and Geotechnical Engineering (ICASGE'25) 14-17 April 2025, Hurghada, Egypt
6	Sahar Abd El-Fatah	Assistant Professor	'Earthquake analysis for Waterproofed Embankment Dam-reservoir systems', Innovative Infrastructure	2025, In production	Q2	Innovative Infrastructure Solutions, Springer Nature	

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	Author Name	Affiliation	Research Title Journal	Date	Quartile	Journal Or conference	Doi
1	Ali Hassan Shalan	Assistant Professor	Microstructure and mechanical properties of alkaliactivated green concrete using electric arc furnace slag as precursor and aggregate	1-May-2024	Q4	ICCAE-15	
2	Ali Hassan Shalan	Assistant Professor	Experimental Verification for Machine Learning Approaches in Compressive Strength Prediction of Alkali-Activated Concrete	ASCE's Practice Periodical on Structural Design and Construction	Q2	1-Jun-2024	DOI: 10.1061/JSDCCC.SCENG-1565.
3	Ali Hassan Shalan	Assistant Professor	The Impacts of Dry Activators on One-Part Alkali- Activated GGBFS Pastes: Setting Time and Compressive Strength	ASCE's Practice Periodical on Structural Design and Construction	Q2	17-Jun-2024	
4	Ali Hassan Shalan	Assistant Professor	Sulphate ions diffusion assessment of blended cement concrete with fly ash and limestone powder	ASCE's Practice Periodical on Structural Design and Construction	Q2	30-Jun-2024	
5	Ali Hassan Shalan	Assistant Professor	Utilization of electric arc furnace slag and metakaolin as precursors in alkali-activated paste: microstructure and mechanical properties	Innovative Infrastructure Solutions, Springer Nature	Q2	1-Sep-2024	https://doi.org/10.1007/s41062-024-01657-5

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6	Ali Hassan Shalan	Assistant Professor	Influence of Sulfuric Acid Exposure on Mechanical Properties of Alkali-Activated Concrete	ASCE's Practice Periodical on Structural Design and Construction	Q2	1-Feb-2024	
7	Sahar abd Elfatah	Assistant Professor	Improving the performance of heavy industry concrete floors, Journal of Building Pathology and Rehabilitation	Journal of Building Pathology and Rehabilitation	Q2	Jun-24	https://doi.org/10.1007/s41024-023-00355-6
9	Mohamed Elgohary	Assistant Professor	Influence of Sulfuric Acid Exposure on Mechanical Properties of Alkali-Activated Concrete	ASCE's Practice Periodical on Structural Design and Construction	Q2	1-Feb-2024	
10	Mohamed Elgohary	Assistant Professor	Sulphate ions diffusion assessment of blended cement concrete with fly ash and limestone powder	ASCE's Practice Periodical on Structural Design and Construction	Q2	30-Jun-2024	
11	Omnia Wageah	Assistant Professor	Innovative strategic multicriteria decision-making selection model of infrastructures projects delivery systems using multiobjective optimization, case of Egypt	Emerald insight, Construction Innovation	Q2	11 /7/2024	doi/10.1108/ci-11-2022-0301/full/html
12	Sara Ali	Teacher Assistant	Experimental Verification for Machine Learning Approaches in Compressive Strength Prediction of Alkali-Activated Concrete	ASCE's Practice Periodical on Structural Design and Construction	Q2	1-Jun-2024	DOI: 10.1061/JSDCCC.SCENG-1565.

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International Publications – 2023							
	Author Name	Affiliation	Research Title Journal	Date	Quartile	Journal Or conference	Doi
1	Ali Hassan Shalan	Assistant Professor	Study on the physical and mechanical properties of Alkali Activated concrete bricks	08-Dec-23	Q1	Construction and Building Materials	https://doi.org/10.1016/j.conbuildmat.2023.133487
2	Omnia Wageah	Assistant Professor	Dynamic approach for investigating delivery system effects on infrastructure project performance”	15 June 2023	Q2	Emerald insight, Construction Innovation	https://doi.org/10.1108/ECAM-10-2022-1022

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International Publications – 2022							
	Author Name	Affiliation	Research Title	Date	Quartile	Journal Or conference	
1	Ali Hassan Shalan	Assistant Professor	Mechanical characteristics of GGBFS/FA-based geopolymer concrete and its environmental impact	10/3/2022	Q2	Practice Periodical on Structural Design	
2	Ali Hassan Shalan	Assistant Professor	Long-Term Sulfate Resistance of Blended Cement Concrete with Waste Glass Powder	25/8/2022	Q2	Practice Periodical on Structural Design	
3	Mohamed Elgohary	Assistant Professor	Long-Term Sulfate Resistance of Blended Cement Concrete with Waste Glass Powder	25/8/2022	Q2	Practice Periodical on Structural Design	
4	Ola Hatem	Lecture Assistant	Mechanical characteristics of GGBFS/FA-based geopolymer concrete and its environmental impact	10/3/2022	Q2	Practice Periodical on Structural Design	
5	Aiman ElShaboury	Assistant Professor	Structural Behavior of Ferrocement I -Beams with Web Openings: Experimental Study	10/2022		ERJ. Engineering Research Journal	

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International Publications – up to 2021							
	Author Name	Affiliation	Research Title	Date	Quartile	Journal Or conference	
1	Omnia wageah	Assistant Professor	Identifying Innovative Reliable Criteria Governing the Selection of Infrastructures Construction Project Delivery Systems	January 2021	Q3		https://doi.org/10.1515/eng-2021-0028
2	Sahar Abd El-Fatah	Assistant Professor	"Chemical bonded anchor bolts versus traditional j and t anchor bolts used in machine foundations”,. Volume 25, issue 2, May 2020.	May 2020	Q2	Practice Periodical on Structural Design and Construction -journal, (ASCE) American	
3	Sahar Abd El-Fatah	Assistant Professor	"Practical Design and Construction of Machine Foundations Subjected to Impact Loads” Volume 25, Issue 2, May 2020.	May 2020	Q2	Practice Periodical on Structural Design and Construction -journal, (ASCE) American	
4	Sahar Abd El-Fatah	Assistant Professor	"Recommended concrete for machine foundation subjected to impact loads”, Journal of Mechanical and Civil	(Jan - Feb 2020		Journal of Mechanical and Civil Engineering (IOSR-JMCE)	DOI: 10.9790/1684-1701051519

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			Engineering Volume 17, Issue 1 Ser. V, PP. 15-19				
5	Omnia wageah	Assistant Professor	Innovative reliable approach for optimal selection for construction infrastructures projects delivery systems.	May 2020	Q3		https://doi.org/10.1007/s41062-020-00307-w
6	Sahar Abd El- Fatah	Assistant Professor	“An evaluation of the rehabilitated Old Aswan Dam including hydrodynamic water pressure”, Volume 14, Issue 5 Ver. IV)PP 26-32.	(Sep.- Oct. 2017		IQSR Journal of Mechanical and Civil Engineering (IOSR- JMCE)e-ISSN: 2278-	DOI: 10.9790/1684- 1405042632
7	Sahar Abd El- Fatah	Assistant Professor	Creep of concrete using different cement types and superplasticizer for concrete dams” International Journal of engineering and computer science ISSN: 2319- 7242.	(Sep.- Oct. 2017		International Journal of engineering and computer science ISSN: 2319- 7242.	DOI: 10.18535/ijecs/v6i10.14
8	Sahar Abd El- Fatah	Assistant Professor	"A shrinkage-reduced concrete mix design for rehabilitation of old dams” IOSR Journal of Mechanical and Civil Engineering (IOSR- JMCE) e-ISSN: 2278- 1684,p-ISSN: 2320- 334X,	(Mar. - Apr. 2017),		IOSR Journal of Mechanical and Civil Engineering (IOSR- JMCE) e-ISSN: 2278- 1684,p-ISSN: 2320- 334X,	DOI: 10.9790/1684- 1402020613
9	Sahar Abd El- Fatah	Assistant Professor	2- "Hydrodynamic water pressure for the old Aswan dam with impervious upstream face” International	,(2013) 17-19 june		” International Conference on Earthquake Geotechnical Engineering,, Istanbul,	

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			Conference on Earthquake Geotechnical Engineering,, Istanbul, TURKEY • Boğaziçi University			TURKEY • Boğaziçi University (2013) 17-19 June	
10	Sahar Abd El-Fatah	Assistant Professor	"Seismic analysis of earth dam including dam-water and foundation interactions	,(2013) 17-19 june		" International Conference on Earthquake Geotechnical Engineering,, Istanbul, TURKEY • Boğaziçi University (2013) 17-19 June	