


Prioritised curriculum vitae for EPU and list of publications



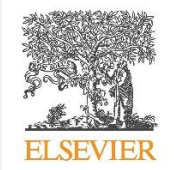

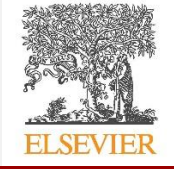

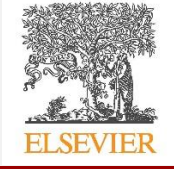
Personal Information	
Name	Hawreen Hasan Ahmed
E-mail	hawreen.ahmed@epu.edu.iq
Place of birth	Iraq-Erbil
Education	
Degree	PhD in Civil Engineering
University name	University of Lisbon
Final Grade of PhD	"Distinction"
Country	Portugal



Scientific Publications


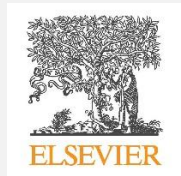

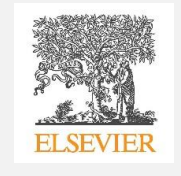



Publications	
Date/year	Publication details
International Journals	
2022	Wael Mahmood, Ahmed Salih Mohammed, Parveen Sihag, Panagiotis G. Asteris, Hawreen Ahmed
	Archives of Civil and Mechanical Engineering volume Impact factor ^{1y} – 4.369 https://doi.org/10.1007/s43452-021-00341-0
	Interpreting the experimental results of compressive strength of hand-mixed cement-grouted sands using various mathematical approaches
2022	Hussein Mohammed, Hawreen Ahmed , Rawaz Kurda, Rayed Alyousef, Ahmed Farouk Deifalla
	Materials Journal Impact factor ^{1y} – 3.623 https://doi.org/10.3390/ma15051693
	Heat-Induced Spalling of Concrete: A Review of the Influencing Factors and Their Importance to the Phenomenon
2022	Rawaz Kurda, Ahmed Salih, Pshtiwan Shakor, Peshkawt Saleh, Rayed Alyousef, Hawreen Ahmed , Farhad Aslanij
	Construction and Building Materials Impact factor ^{1y} – 6.141 https://doi.org/10.1016/j.conbuildmat.2021.126218
	Mix design of concrete: Advanced particle packing model by developing and combining multiple frameworks
2022	Babar Ali, Hawreen Ahmed , Hisham Hafez, Ameni Brahmia, Mohamed Hechmi El Ouni & Ali Raza

	International Journal of Pavement Research and Technology
	Impact factor ^{1y} – 1.906
	https://doi.org/10.1007/s42947-021-00129-8
	Life Cycle Impact Assessment (Cradle-to-Gate) of Fiber-Reinforced Concrete Application for Pavement Use: A Case Study of Islamabad City
2022	Babar Ali, Rawaz Kurda, Hawreen Ahmed , Rayed Alyousef
	Journal of Sustainable Cement-Based Materials
	Impact factor ^{1y} – 3.686
	https://doi.org/10.1080/21650373.2021.2025165
	Effect of recycled tyre steel fiber on flexural toughness, residual strength, and chloride permeability of high-performance concrete (HPC)
2022	Wael Mahmood, Ahmed Salih Mohammed, Panagiotis Asteris, Hawreen Ahmed
	Journal of Testing and Evaluation
	Impact factor ^{1y} – 1.264
	https://doi.org/10.1520/JTE20210219
	Testing and Modeling the Gradually Applying Compressive Stress to Measuring the Strain of Self-Compacted Cement Paste Using Vipulanandan p-q Model
2021	Miguel Barreto Santos, Jorge de Brito, António Santos Silva, Hawreen A
	Construction and Building Materials
	Impact factor ^{1y} – 6.141
	https://doi.org/10.1016/j.conbuildmat.2021.124250
	Evaluation of alkali-silica reaction in recycled aggregates: The applicability of the mortar bar test
2021	Ghafur H Ahmed, A Hawreen , Babar Ali, Rayed Alyousef
	Materials
	Impact factor ^{1y} – 3.057
	https://doi.org/10.3390/ma14040985
	Assessment of High Performance Self-Consolidating Concrete through an Experimental and Analytical Multi-Parameter Approach
2021	Jose Alexandre Bogas, A Hawreen , Tomás Diniz
	Applied Sciences
	Impact factor ^{1y} – 2.474
	https://doi.org/10.3390/app11041672
	Influence of Cracking on the Durability of Reinforced Concrete with Carbon Nanotubes
2020	Miguel Barreto Santos, Jorge de Brito, António Santos Silva, A Hawreen
	Construction and Building Materials
	Impact factor ^{1y} – 4.419
	https://doi.org/10.1016/j.conbuildmat.2020.120743
	Study of ASR in concrete with recycled aggregates: Influence of aggregate reactivity potential and cement type
2020	Babar Ali, Rawaz Kurda, Bengin Herki, Rayed Alyousef, Rasheed Mustafa, Ahmed Mohammed, Ali Raza, A Hawreen , Muhammad Fayyaz Ul-Haq

	Materials
	Impact factor ^{1y} – 3.057
	https://doi.org/10.3390/ma13245739
	Effect of Varying Steel Fiber Content on Strength and Permeability Characteristics of High Strength Concrete with Micro Silica
2020	Nobre José, A Hawreen , Bravo Miguel, Evangelista Luís, de Brito Jorge
	Materials
	Impact factor ^{1y} – 3.057
	https://doi.org/10.3390/ma13214752
	Magnesia (MgO) Production and Characterization, and Its Influence on the Performance of Cementitious Materials: A Review
2020	R Carrajola, A Hawreen , I Flores-Colen, J de Brito
	Journal of Building Engineering
	Impact factor ^{1y} – 3.379
	https://doi.org/10.1016/j.job.2020.101868
	Fresh properties of cement-based thermal renders with fly ash, air lime and lightweight aggregates
2020	Babar Ali, A Hawreen , Liaqat Ali Qureshi, Rawaz Kurda, Hisham Hafez, Hussein Mohammed, Ali Raza
	Materials
	Impact factor ^{1y} – 3.057
	https://doi.org/10.3390/ma13184112
	Enhancing the Hardened Properties of Recycled Concrete (RC) through Synergistic Incorporation of Fiber Reinforcement and Silica Fume
2020	I Flores-Colen, J de Brito, VP de Freitas, A Hawreen
	Construction and Building Materials
	Impact factor ^{1y} – 4.419
	https://doi.org/10.1016/j.conbuildmat.2020.119079
	Reliability of in-situ diagnosis in external wall renders
2020	M Barreto Santos, J De Brito, A Santos Silva, A Hawreen
	Cement and Concrete Composites
	Impact factor ^{1y} – 6.257
	https://doi.org/10.1016/j.cemconcomp.2020.103621
	Effect of the source concrete with ASR degradation on the mechanical and physical properties of coarse recycled aggregate
2020	J Lavado, J Bogas, J De Brito, A Hawreen
	Construction and Building Materials
	Impact factor ^{1y} – 4.419
	https://doi.org/10.1016/j.conbuildmat.2019.117322
	Fresh properties of recycled aggregate concrete
2020	J Galvão, R Duarte, I Flores-Colen, J de Brito, A Hawreen

 ELSEVIER	Construction and Building Materials
	Impact factor ^{1y} – 4.419
	https://doi.org/10.1016/j.conbuildmat.2019.116838
	Non-destructive mechanical and physical in-situ testing of rendered walls under natural exposure
2020	Patrícia Rodrigues, José Silvestre, Inês Flores-Colen, Cristina Viegas, Ahmed Hawreen , Rawaz Kurda, Jorge de Brito
 <i>applied sciences</i>	Applied Sciences
	Impact factor ^{1y} – 2.474
	https://doi.org/10.3390/app10010351
	Evaluation of the ecotoxicological potential of fly ash and recycled concrete aggregates use in concrete
2020	R Duarte, I Flores-Colen, J de Brito, A Hawreen
 ELSEVIER	Journal of Building Engineering
	Impact factor ^{1y} – 3.379
	https://doi.org/10.1016/j.jobe.2019.100998
	Variability of in-situ testing in wall coating systems-Karsten tube and moisture meter techniques
2019	Hawreen A. , Bogas J.A
 ASTM	Advances in Civil Engineering Materials
	Impact factor ^{1y} – 1.00
	https://doi.org/10.1520/ACEM20180156
	Capillary absorption and oxygen permeability of concrete reinforced with carbon nanotubes
2019	Bogas J.A., Hawreen A. , Olhero S., Ferro A.C. and Guedes M.
 ELSEVIER	Applied Surface Science
	Impact factor ^{1y} – 6.182
	https://doi.org/10.1016/j.apsusc.2018.08.196
	Selection of dispersants for stabilization of unfunctionalized carbon nanotubes in high pH aqueous suspensions: Application to cementitious matrices
2018	Hawreen A. and Bogas A
 SpringerLink	Materials and Structures
	Impact factor ^{5y} – 3.293
	https://doi.org/10.1617/s11527-018-1279-8
	Influence of carbon nanotubes on steel–concrete bond strength
2018	Hawreen A. , Bogas J.A. and Guedes M
	Journal of Materials in Civil Engineering
	Impact factor ^{4y} (scimagojr) - 2.16
	doi: doi:10.1061/(ASCE)MT.1943-5533.0002470
	Mechanical Behavior and Transport Properties of Cementitious Composites Reinforced with Carbon Nanotubes
2018	Hawreen A. , Bogas J.A. and Dias A.P.S.
 ELSEVIER	Construction and Building Materials
	Impact factor ^{5y} - 4.419



	https://doi.org/10.1016/j.conbuildmat.2018.02.146
	On the mechanical and shrinkage behavior of cement mortars reinforced with carbon nanotubes
2018	Hawreen A., Bogas J.A., Guedes M. and Pereira M.F.C
	Magazine of Concrete Research
	Impact factor ^{2y} – 2.088
	https://doi.org/10.1680/jmacr.17.00562
	Dispersion and reinforcement efficiency of carbon nanotubes in cementitious composites
2018	Rawaz Kurda, José D. Silvestre, Jorge de Brito, Hawreen Ahmed
	Journal of Cleaner Production
	Impact factor ^{5y} – 7.246
	https://doi.org/10.1016/j.jclepro.2018.05.177
	Optimizing recycled concrete containing high volume of fly ash in terms of the embodied energy and chloride ion resistance
2018	Carriço A., Bogas J.A., Hawreen A. and Guedes M.
	Construction and Building Materials
	Impact factor ^{5y} - 4.419
	https://doi.org/10.1016/j.conbuildmat.2017.12.221
	Durability of multi-walled carbon nanotube reinforced concrete
2019	Hawreen A. and Bogas J.A.
	Construction and Building Materials
	Impact factor ^{5y} - 4.419
	https://doi.org/10.1016/j.conbuildmat.2018.11.253
	Creep, shrinkage and mechanical properties of concrete reinforced with different types of carbon nanotubes
2019	Hawreen A., Bogas J.A. and Kurda R.
	Arabian Journal for Science and Engineering
	Impact factor ^{1y} - 1.711
	https://doi.org/10.1007/s13369-019-04096-y
	Mechanical characterization of concrete reinforced with different types of carbon nanotubes
2019	Carlos Esteves, Hawreen Ahmed , Inês Flores-Colen and Rosário Veiga
	Journal of Coatings Technology and Research
	Impact factor ^{5y} – 2.058
	https://doi.org/10.1007/s11998-019-00220-7
	The influence of hydrophobic protection on building exterior claddings
2017	Rawaz Kurda, José D. Silvestre, Jorge de Brito, Hawreen Ahmed
	Journal of Cleaner Production
	Impact factor ^{5y} – 7.246
	https://doi.org/10.1016/j.jclepro.2017.07.236
	Effect of incorporation of high volume of recycled concrete aggregates and fly ash on the strength and global warming potential of concrete

Conferences	
2018	Guedes M, A Carriço, JA Bogas, A Hawreen
	Encontro Nacional Betão Estrutural (BE2018) LNEC, Lisbon, Portugal. 7/11/2018 [International conference]. Durability of concrete reinforced with multi-walled carbon nanotubes.
2017	Hawreen A. , Bogas A., Guedes M. and Pereira M
	Materiais, XVIII Congresso da Sociedade Portuguesa de Materiais University of Aveiro, Aveiro, Portugal. [International conference]. Mechanical characterization of cement pastes reinforced with pristine and functionalized multi-walled carbon nanotubes.
2016	M. Guedes, A. Hawreen , A. Bogas and S. Olhero
	1º Congresso de Ensaios e Experimentação em Engenharia Civil - TEST&E 2016 Instituto Superior Técnico, Lisboa, Portugal. ISBN 978-972-8574-44-4; DOI: 10.5281/zenodo.164637 [National conference]. Experimental Procedure for Evaluation of CNT Dispersion in High pH Media Characteristic of Cementitious Matrixes
2016	Bogas J., Guedes M. and Hawreen A.
	1º Congresso de Ensaios e Experimentação em Engenharia Civil - TEST&E 2016 Instituto Superior Técnico, Lisboa, Portugal. ISBN 978-972-8574-44-4; DOI: 10.5281/zenodo.164637 [National conference]. Non-destructive ultrasound test in the evaluation of resistance to the compression of structural concrete of light aggregates.
Seminar, symposium, workshop and poster	
2022	Hawreen Hasan Ahmed
	Annual seminar for teachers of Erbil Technical Engineering College-Highway Engineering Techniques. (15-3-2022) [Seminar] Heat-Induced Spalling of Concrete: A Review of the Influencing Factors and Their Importance to the Phenomenon
2022	Hawreen Hasan Ahmed
	Annual seminar for teachers of Erbil Technical Engineering College-Highway Engineering Techniques. (15-3-2022) [Seminar] Effect of recycled tyre steel fiber on flexural toughness, residual strength, and chloride permeability of high-performance concrete (HPC)
2021	Hawreen Hasan Ahmed
	Annual seminar for teachers of Erbil Technical Engineering College-Highway Engineering Techniques. (20-5-2021) [Seminar] Green Concrete
2021	Hawreen Hasan Ahmed
	Annual seminar for teachers of Erbil Technical Engineering College-Highway Engineering Techniques. (20-5-2021) [Seminar] Nanotechnology in Concrete
2017	Hawreen Ahmed
	Interchange session with the Department of Civil Engineering at the City College of New York (CCNY) USA,

	Instituto Superior Técnico, Lisboa, Portugal [Symposium].
	Cementitious materials reinforced with multi-walled carbon nanotubes
2015	Hawreen Ahmed.
	Nanomateriais na melhoria do desempenho de soluções de revestimento, 3º Workshop do CIB - SC DECivil, Lisboa, Portugal [Workshop]
	Cementitious Materials Reinforced With Multi-Walled Carbon Nanotubes
2014	Hawreen Ahmed
	CIB Student Chapter do DECivil do IST - Reunião de 27 de Setembro, Instituto Superior Técnico, Lisboa, Portugal [Symposium]
	Multi-walled carbon nanotubes effect on cementitious composite properties
2013	Hawreen Hasan Ahmed
	Civil Engineering Research and Innovation for Sustainability (CERIS), Instituto Superior Técnico, Lisboa, Portugal [Poster].
	Cementitious Materials Reinforced with Carbon Nanotubes (September 2013).