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I am an Academic Researcher in Erbil Polytechnic University, Erbil, Iraq. I got a bachelor's degree in Civil Engineering (2000-2004) from University of Anbar, MSc. degrees in civil engineering-construction materials, from Hasan Kalyoncu University, Turkey (2013-2015). Specialized in materials technology, High strength, and high ductility materials, Geo-polymer Concrete, Eco-friendly materials. PhD. degree in Civil engineering, from Hasan Kalyoncu University, Turkey (2015-2019).

Current affiliation:

- Erbil Polytechnic University

Publication Metrics

For manuscripts published from date range January 2015 - February 2025

15

H-index

500

Sum of Times Cited

39

Total Publications

27

Web of Science Core Collection Publications

1

Sum of Times Cited by Patents

For all time

15

H-index

39

Total Publications

1

Sum of Times Cited by Patents

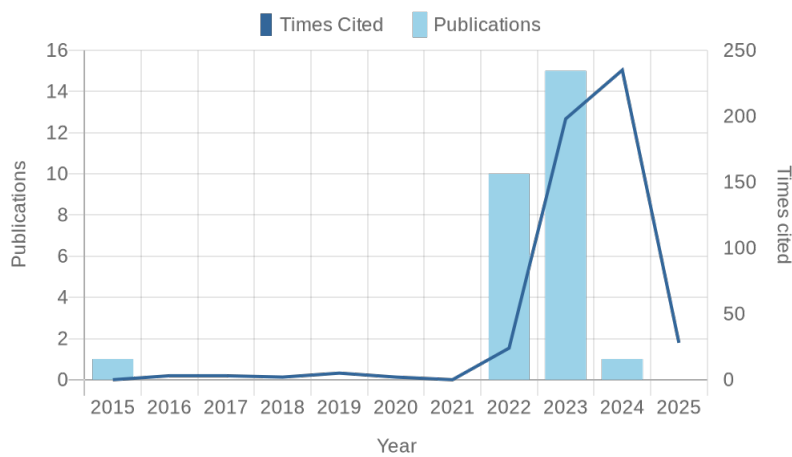
500

Sum of Times Cited

27

Web of Science Core Collection Publications

Publication Impact Over Time



Publishing Summary

For manuscripts published from date range January 2015 - February 2025

(4) Materials	(4) Polytechnic Journal
(3) Buildings	(3) Case Studies in Construction Mat...
(2) Journal of Engineered Fibers and...	(2) Sustainability
(2) Construction and Building Materi...	(2) ZANCO Journal of Pure and Appli...
(2) Plos One	(1) Geotechnical Engineering and S...
(1) Journal of Engineering	(1) Ain Shams Engineering Journal
(1) Nanotechnology Reviews	(1) Journal of the Mechanical Behavi...
(1) Mathematical Biosciences and E...	(1) Journal of Sustainable Cement-B...
(1) Journal of Engineering Science a...	(1) International Journal of Advance...
(1) The Journal of Duhok University	(1) IOP Conference Series: Earth an...
(1) Science and Engineering of Com...	(1) Heliyon
(1) International Journal of Concrete...	(1) Key Engineering Materials

Publications

<p>A Study on the Properties of Geopolymer Concrete Modified with Nano Graphene Oxide Authors (10): Maglad, Ahmed M.; Zaid, Osama ... De Prado-Gil, Jesus Published: Aug 2022 in Buildings DOI: 10.3390/BUILDINGS12081066 Accession Number: WOS:000845099200001</p>	62
<p>Impact of Nano-silica on the hydration, strength, durability, and microstructural properties of concrete: A state-of-the-art review Authors (6): Althoey, Fadi; Zaid, Osama ... Arbili, Mohamed M. Published: Jul 2023 in Case Studies in Construction Materials DOI: 10.1016/J.CSCM.2023.E01997 Accession Number: WOS:000955613600001</p>	56
<p>Explicit formulation of drying and autogenous shrinkage of concretes with binary and ternary blends of silica fume and fly ash Authors (2): Mermerdas, Kasim; Arbili, Mohamed Moafak Published: Sep 2015 in Construction and Building Materials DOI: 10.1016/J.CONBUILDMAT.2015.07.074 Accession Number: WOS:000359875200038</p>	43
<p>Performance of concrete reinforced with jute fibers (natural fibers): A review Authors (6): Ahmad, Jawad; Arbili, Mohamed Moafak ... Rahmawati, Cut Published: Sep 2022 in Journal of Engineered Fibers and Fabrics DOI: 10.1177/15589250221121871 Accession Number: WOS:000855327100001</p>	41
<p>Physical, strength, durability and microstructural analysis of self-healing concrete: A systematic review Authors (7): Althoey, Fadi; Zaid, Osama ... Yosri, Ahmed. M. Published: Jul 2023 in Case Studies in Construction Materials DOI: 10.1016/J.CSCM.2022.E01730 Accession Number: WOS:001003760300001</p>	34
<p>A Review on Failure Modes and Cracking Behaviors of Polypropylene Fibers Reinforced Concrete Authors (6): Ahmad, Jawad; Burduhos-Nergis, Dumitru Doru ... Deifalla, Ahmed Farouk Published: Nov 2022 in Buildings DOI: 10.3390/BUILDINGS12111951 Accession Number: WOS:000895032400001</p>	27

<p>Effect of fly ash and waste glass powder as a fractional substitute on the performance of natural fibers reinforced concrete</p> <p>Authors (6): Althoey, Fadi; Zaid, Osama ... Arbili, Mohamed M.</p> <p>Published: Dec 2023 in Ain Shams Engineering Journal</p> <p>DOI: 10.1016/J.ASEJ.2023.102247</p> <p>Accession Number: WOS:001132720000001</p>	24
<p>Experimental study on the properties of ultra-high-strength geopolymer concrete with polypropylene fibers and nano-silica</p> <p>Authors (6): Althoey, Fadi; Zaid, Osama ... Arbili, Mohamed M.</p> <p>Published: Apr 2023 in Plos One</p> <p>DOI: 10.1371/JOURNAL.PONE.0282435</p> <p>Accession Number: WOS:000985308900105</p>	24
<p>Basalt Fiber Reinforced Concrete: A Compressive Review on Durability Aspects</p> <p>Authors (7): Al-Kharabsheh, Buthainah Nawaf; Arbili, Mohamed Moafak ... Deifalla, Ahmed Farouk</p> <p>Published: Jan 2023 in Materials</p> <p>DOI: 10.3390/MA16010429</p> <p>Accession Number: WOS:000908875500001</p>	24
<p>Basalt Fibers Reinforced Concrete: Strength and Failure Modes</p> <p>Authors (7): AL-Kharabsheh, Buthainah Nawaf; Arbili, Mohamed Moafak ... Deifalla, Ahmed Farouk</p> <p>Published: Oct 2022 in Materials</p> <p>DOI: 10.3390/MA15207350</p> <p>Accession Number: WOS:000873337500001</p>	22
<p>Concrete Made with Iron Ore Tailings as a Fine Aggregate: A Step towards Sustainable Concrete</p> <p>Authors (5): Arbili, Mohamed Moafak; Alqurashi, Muwaffaq ... Deifalla, Ahmed Farouk</p> <p>Published: Sep 2022 in Materials</p> <p>DOI: 10.3390/MA15186236</p> <p>Accession Number: WOS:000856810100001</p>	21
<p>Determining engineering properties of ultra-high-performance fiber-reinforced geopolymer concrete modified with different waste materials</p> <p>Authors (6): Althoey, Fadi; Zaid, Osama ... Arbili, Mohamed M.</p> <p>Published: May 2023 in Plos One</p> <p>DOI: 10.1371/JOURNAL.PONE.0285692</p> <p>Accession Number: WOS:000993736200026</p>	19
<p>Concrete made with partially substitution corn cob ash: A review</p> <p>Authors (4): Ahmad, Jawad; Arbili, Mohamed Moafak ... Deifalla, Ahmed Farouk</p> <p>Published: Jul 2023 in Case Studies in Construction Materials</p> <p>DOI: 10.1016/J.CSCM.2023.E02100</p> <p>Accession Number: WOS:000989994800001</p>	18

<p>A Review on Strength and Durability Properties of Wooden Ash Based Concrete</p> <p>Authors (6): AL-Kharabsheh, Buthainah Nawaf; Arbili, Mohamed Moafak ... Hakamy, A.</p> <p>Published: Oct 2022 in Materials</p> <p>DOI: 10.3390/MA15207282</p> <p>Accession Number: WOS:000873137400001</p>	17
<p>A Review on Sustainable Concrete with the Partially Substitutions of Silica Fume as a Cementitious Material</p> <p>Authors (6): Ahmad, Jawad; Abid, Sallal R. ... Deifalla, Ahmed Farouk</p> <p>Published: Oct 2022 in Sustainability</p> <p>DOI: 10.3390/SU141912075</p> <p>Accession Number: WOS:000867242300001</p>	16
<p>Evaluation of Factors Affecting the Competitive Advantage of Organizations in Establishing Sustainable Project Management Post Covid-19</p> <p>Authors (12): Bageis, Abdulrahman S.; Waqar, Ahsan ... Benjddou, Omrane</p> <p>Published: Nov 2023 in Journal of Engineering</p> <p>DOI: 10.1155/2023/3529313</p> <p>Accession Number: WOS:001112440700001</p>	10
<p>Systematic review on geopolymers composites modified with nanomaterials and thin films: Enhancing performance and sustainability in construction</p> <p>Authors (6): Alaskar, Abdulaziz; Mahmood, Muhammad Sarmad ... Arbili, Mohamed M.</p> <p>Published: Dec 2023 in Construction and Building Materials</p> <p>DOI: 10.1016/J.CONBUILDMAT.2023.133888</p> <p>Accession Number: WOS:001106425900001</p>	8
<p>Mechanical, Durability and Microstructure Analysis Overview of Concrete Made with Metakaolin (MTK)</p> <p>Authors (5): Ahmad, Jawad; Majdi, Ali ... Naqash, Muhammad Tayyab</p> <p>Published: Sep 2022 in Buildings</p> <p>DOI: 10.3390/BUILDINGS12091401</p> <p>Accession Number: WOS:000856332600001</p>	7
<p>A state-of-the-art review of the physical and durability characteristics and microstructure behavior of ultra-high-performance geopolymer concrete</p> <p>Authors (6): Hakeem, Ibrahim Y.; Zaid, Osama ... Alharthai, Mohammad</p> <p>Published: Jan 2024 in Heliyon</p> <p>DOI: 10.1016/J.HELİYON.2024.E24263</p> <p>Accession Number: WOS:001165541200001</p>	5
<p>Feasibility Study on Concrete Made with Substitution of Quarry Dust: A Review</p> <p>Authors (7): AL-Kharabsheh, Buthainah Nawaf; Arbili, Mohamed Moafak ... Alqawasmeh, Hasan Majed</p> <p>Published: Nov 2022 in Sustainability</p> <p>DOI: 10.3390/SU142215304</p> <p>Accession Number: WOS:000887700500001</p>	5

<p>Properties of ultra-high-performance self-compacting fiber-reinforced concrete modified with nanomaterials</p> <p>Authors (8): Althoey, Fadi; Zaid, Osama ... Yosri, Ahmed M.</p> <p>Published: Nov 2023 in Nanotechnology Reviews</p> <p>DOI: 10.1515/NTREV-2023-0118</p> <p>Accession Number: WOS:001106114500001</p>	4
<p>Thermal properties, microstructure analysis, and environmental benefits of basalt fiber reinforced concrete</p> <p>Authors (7): Qsymah, Ansam; Arbili, Mohamed Moafak ... Ozkilic, Yasin Onuralp</p> <p>Published: Jan 2023 in Journal of Engineered Fibers and Fabrics</p> <p>DOI: 10.1177/15589250221146547</p> <p>Accession Number: WOS:000998826900001</p>	3
<p>Development of novel ultra-high-performance lightweight concrete modified with dehydrated cement powder and aerogel</p> <p>Authors (5): Shohan, Ahmed Ali A.; Zaid, Osama ... Ibrahim, Wafeek Mohamed</p> <p>Published: 2023 in Journal of Sustainable Cement-Based Materials</p> <p>DOI: 10.1080/21650373.2023.2278134</p> <p>Accession Number: WOS:001095904000001</p>	3
<p>The effect of materials and curing system on the behavior of self-compacting geopolymer concrete</p> <p>Authors (4): Al-Bayati, Maan A.; Abdulrahman, Mazin B. ... Arbili, Mohamed M.</p> <p>Published: Sep 2022 in Journal of the Mechanical Behavior of Materials</p> <p>DOI: 10.1515/JMBM-2022-0206</p> <p>Accession Number: WOS:000850293300001</p>	3
<p>Stability risk assessment of slopes using logistic model tree based on updated case histories</p> <p>Authors (6): Ahmad, Feezan; Tang, Xiao-Wei ... Arbili, Mohamed Moafak</p> <p>Published: 2023 in Mathematical Biosciences and Engineering</p> <p>DOI: 10.3934/MBE.2023939</p> <p>Accession Number: WOS:001122870200002</p>	2
<p>Concrete Made with Partial Substitutions of Wheat Straw Ash: A Review</p> <p>Authors (5): Ahmad, Jawad; Arbili, Mohamed Moafak ... Deifalla, Ahmed Farouk</p> <p>Published: Oct 2023 in International Journal of Concrete Structures and Materials</p> <p>DOI: 10.1186/S40069-023-00616-1</p> <p>Accession Number: WOS:001074015700001</p>	1
<p>Sustainable concrete with partial substitution of paper pulp ash: A review</p> <p>Authors (6): Ahmad, Jawad; Arbili, Mohamed Moafak ... Althoey, Fadi</p> <p>Published: Apr 2023 in Science and Engineering of Composite Materials</p> <p>DOI: 10.1515/SECM-2022-0193</p> <p>Accession Number: WOS:000980376500001</p>	1

Effect of Slag on Engineering Properties of Contaminated Soil

1

Authors (3): Arbili, M.M.; Karpuzcu, M.; Khalil, F.

Published: Aug 2020 in Key Engineering Materials

DOI: 10.4028/WWW.SCIENTIFIC.NET/KEM.857.253

Accession Number: INSPEC:20627561

Plants as bioindicators of heavy metal pollution

Authors (1): Mohamed Moafak ARBILI

Published: Apr 2023 in ZANCO Journal of Pure and Applied Sciences

DOI: 10.21271/ZJPAS

Not indexed in
the Web of
Science

Triaxial Compression Behavior of Sandy Soil Polluted with Crude Oil

Authors (4): Farman K. Ghaffoori; Mohamed M. Arbili ... Talib K. Ibrahim

Published: Mar 2022 in Geotechnical Engineering and Sustainable Construction

DOI: 10.1007/978-981-16-6277-5_3

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the Web of
Science

EXPERIMENTAL MEASUREMENT OF UNDRAINED SHEAR STRENGTH OF FINE GRAINED SOIL-CRUDE OIL MIXTURES USING DIFFERENT TECHNIQUES

Authors (3): Awad, M.A.; Khalaf, M.M.; Arbili, M.M.

Published: 2022 in Journal of Engineering Science and Technology

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the Web of
Science

Utilization of Styrene-Butadiene Rubber (SBR) Polymer Replacement of Fine Aggregate in Concrete

Authors (5): Mohamed M. Arbili; Farman K. Ghaffoori ... Talib K. Ibrahim

Published: Sep 2021 in IOP Conference Series: Earth and Environmental Science

DOI: 10.1088/1755-1315/856/1/012032

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Science

Impact of Silica Fume on the Strength Characterizes of Contaminated Soil

Authors (3): Mohamed M. Arbili; Mehmed Karpuzcu; Mohammed M. Ali

Published: Jun 2020 in Polytechnic Journal

DOI: 10.25156/PTJ.V10N1Y2020.PP6-11

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Science

Effects of Fly Ash and Granulated Ground Blast Furnace Slag on Stabilization of Crude Oil Contamination Sandy Soil

Authors (2): Farman K. Ghaffoori; Mohamed M. Arbili

Published: Dec 2019 in Polytechnic Journal

DOI: 10.25156/PTJ.V9N2Y2019.PP80-85

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Science

AN ASSESSMENT OF THE EFFECTS OF LIGHT CRUDE OIL ON THE GEOTECHNICAL PROPERTIES OF A SOIL

Authors (1): Mohamed Moafak ARBILI

Published: Dec 2018 in International Journal of Advances in Mechanical and Civil Engineering (IJAMCE)

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EFFECT THE SHAPE OF GRAVEL ON IMPROVING CBR AND COMPACTION BEHAVIOUR OF CLAYEY SOIL

Authors (1): WALEED SULAIMAN MUSTAFA

Published: Nov 2018 in The Journal of Duhok University

DOI: 10.26682/SJUOD.2018.21.2.12

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Science

VALIDATION OF FERET REGRESSION MODEL FOR FLY ASH BASED
GEOPOLYMER CONCRETE

Authors (1): Peshkawt Saleh
Published: Aug 2018 in Polytechnic Journal
DOI: 10.25156/PTJ.2018.8.3.310

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Science

Effect of Crude Oil Contamination on physical and Chemical Properties of Soil
of Tarjan Refineries Erbil Province - North of Iraq

Authors (1): Mohamed ARBILI
Published: Jun 2018 in Polytechnic Journal
DOI: 10.25156/PTJ.2018.8.2.216

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Science

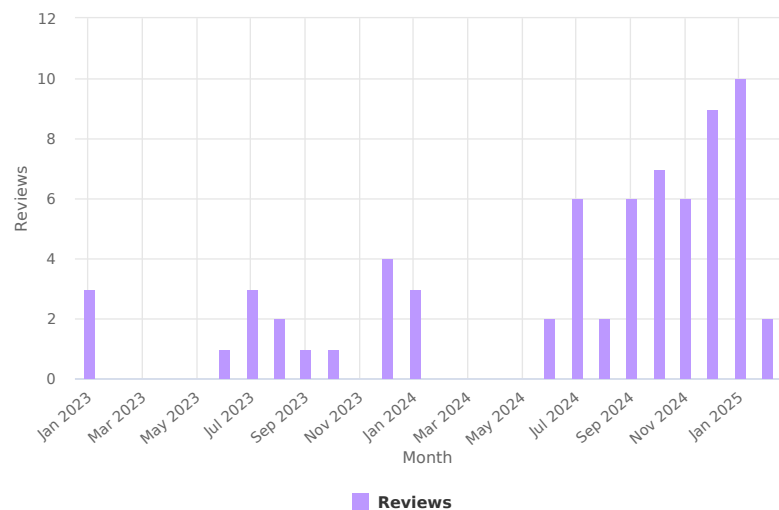
Statistical analysis of the performance of the soft computing based
prediction model for shrinkage of concrete including mineral admixtures

Authors (1): Mohamed Moafak ARBILI
Published: Jul 2016 in ZANCO Journal of Pure and Applied Sciences

Not indexed in
the Web of
Science

Verified Reviews

Review Summary



Reviewer Summary

For manuscripts reviewed from date range January 2015 - February 2025

(31) Buildings	(4) Advances in Civil Engineering
(4) Computers, Materials and Contin...	(4) International Research Conferen...
(3) Journal of Asian Architecture and...	(3) International Engineering Confer...
(2) Case Studies in Construction Mat...	(2) Diyala Journal of Engineering Sci...
(2) International Conference on The...	(1) Computers and Concrete
(1) International Journal of Concrete...	(1) Proceedings of the Institution of ...
(1) Iraqi Journal of Civil Engineering ...	(1) Cogent Engineering

(1) Al-Qadisiyah Journal for Enginee...

(1) Civil and Sustainable Urban Engi...

(1) International Conference on Envi...

(1) Sustainable Environmental Insight

(1) Qeios

(1) Polymers

(1) Construction and Building Materi...

(1) ZANCO Journal of Pure and Appli...

Editor records

Editor Summary

For manuscripts handled from date range January 2015 - February 2025

(6) Advances in Civil Engineering

(2) Journal of Engineering
