



Mohamed Moafak Arbili

<https://www.webofscience.com/wos/author/rid/G-7261-2019>

Web of Science ResearcherID: [G-7261-2019](#)

ORCID: 0000-0001-6045-0255

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 from 2011

Publication Metrics

For manuscripts published from date range January 2015 - January 2024

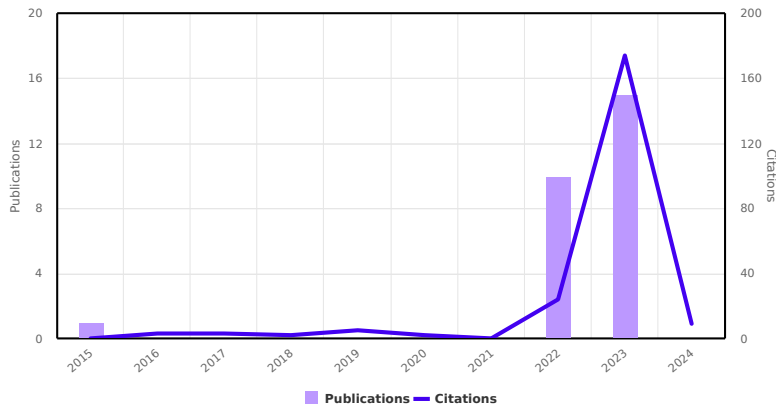
10	222
H-index	Sum of Times Cited
38	26
Total Publications	Web of Science Core Collection Publications

For all time

10	222
H-index	Sum of Times Cited
38	26
Total Publications	Web of Science Core Collection Publications

Publication Impact Over Time

Times Cited and Publications Over Time



Publishing Summary

For manuscripts published from date range January 2015 - January 2024

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

Publications

For manuscripts published from date range January 2015 - January 2024 (38)

Times Cited
(All time)

A Study on the Properties of Geopolymer Concrete Modified with Nano Graphene Oxide

38

Authors (10): Maglad, Ahmed M.; Zaid, Osama ... De Prado-Gil, Jesus

Published: Aug 2022 in Buildings

DOI: 10.3390/BUILDINGS12081066

Web of Science accession number: WOS:000845099200001

<p>Explicit formulation of drying and autogenous shrinkage of concretes with binary and ternary blends of silica fume and fly ash</p> <p>Authors (2): Mermerdas, Kasim; Arbili, Mohamed Moafak</p> <p>Published: Sep 2015 in Construction and Building Materials</p> <p>DOI: 10.1016/J.CONBUILDMAT.2015.07.074</p> <p>Web of Science accession number: WOS:000359875200038</p>	38
<p>Impact of Nano-silica on the hydration, strength, durability, and microstructural properties of concrete: A state-of-the-art review</p> <p>Authors (6): Althoey, Fadi; Zaid, Osama ... Arbili, Mohamed M.</p> <p>Published: Jul 2023 in Case Studies in Construction Materials</p> <p>DOI: 10.1016/J.CSCM.2023.E01997</p> <p>Web of Science accession number: WOS:000955613600001</p>	20
<p>Performance of concrete reinforced with jute fibers (natural fibers): A review</p> <p>Authors (6): Ahmad, Jawad; Arbili, Mohamed Moafak ... Rahmawati, Cut</p> <p>Published: Sep 2022 in Journal of Engineered Fibers and Fabrics</p> <p>DOI: 10.1177/15589250221121871</p> <p>Web of Science accession number: WOS:000855327100001</p>	16
<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>Web of Science accession number: WOS:000856810100001</p>	13
<p>A Review on Failure Modes and Cracking Behaviors of Polypropylene Fibers Reinforced Concrete</p> <p>Authors (6): Ahmad, Jawad; Burduhos-Nergis, Dumitru Doru ... Deifalla, Ahmed Farouk</p> <p>Published: Nov 2022 in Buildings</p> <p>DOI: 10.3390/BUILDINGS12111951</p> <p>Web of Science accession number: WOS:000895032400001</p>	12
<p>Physical, strength, durability and microstructural analysis of self-healing concrete: A systematic review</p> <p>Authors (7): Althoey, Fadi; Zaid, Osama ... Yosri, Ahmed. M.</p> <p>Published: Jul 2023 in Case Studies in Construction Materials</p> <p>DOI: 10.1016/J.CSCM.2022.E01730</p> <p>Web of Science accession number: WOS:001003760300001</p>	11
<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>Web of Science accession number: WOS:000985308900105</p>	11

<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>Web of Science accession number: WOS:000873337500001</p>	11
<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>Web of Science accession number: WOS:001132720000001</p>	10
<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>Web of Science accession number: WOS:000908875500001</p>	10
<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>Web of Science accession number: WOS:000873137400001</p>	9
<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>Web of Science accession number: WOS:000993736200026</p>	8
<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>Web of Science accession number: WOS:000867242300001</p>	5
<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>Web of Science accession number: WOS:000856332600001</p>	3

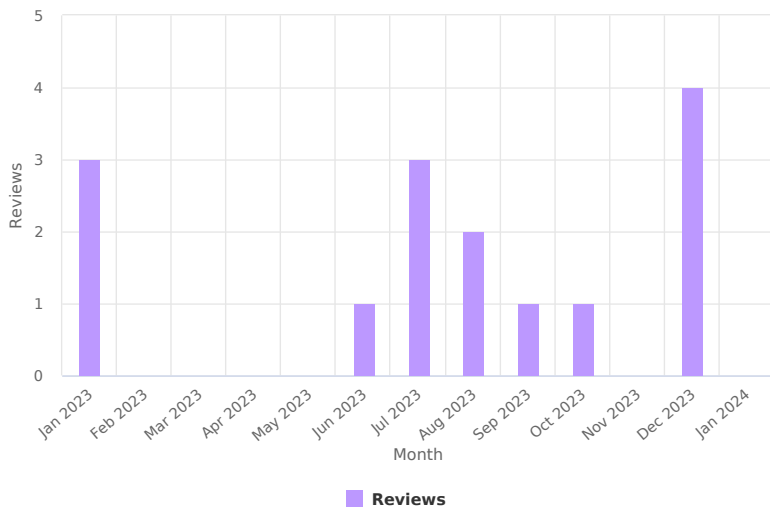
<p>Concrete made with partially substitution corn cob ash: A review Authors (4): Ahmad, Jawad; Arbili, Mohamed Moafak ... Deifalla, Ahmed Farouk Published: Jul 2023 in Case Studies in Construction Materials DOI: 10.1016/J.CSCM.2023.E02100 Web of Science accession number: WOS:000989994800001</p>	2
<p>Feasibility Study on Concrete Made with Substitution of Quarry Dust: A Review Authors (7): AL-Kharabsheh, Buthainah Nawaf; Arbili, Mohamed Moafak ... Alqawasmeh, Hasan Majed Published: Nov 2022 in Sustainability DOI: 10.3390/SU142215304 Web of Science accession number: WOS:000887700500001</p>	2
<p>Sustainable concrete with partial substitution of paper pulp ash: A review Authors (6): Ahmad, Jawad; Arbili, Mohamed Moafak ... Althoey, Fadi Published: Apr 2023 in Science and Engineering of Composite Materials DOI: 10.1515/SECM-2022-0193 Web of Science accession number: WOS:000980376500001</p>	1
<p>Thermal properties, microstructure analysis, and environmental benefits of basalt fiber reinforced concrete Authors (7): Qsymah, Ansam; Arbili, Mohamed Moafak ... oezkilic, Yasin Onuralp Published: Jan 2023 in Journal of Engineered Fibers and Fabrics DOI: 10.1177/15589250221146547 Web of Science accession number: WOS:000998826900001</p>	1
<p>The effect of materials and curing system on the behavior of self-compacting geopolymer concrete Authors (4): Al-Bayati, Maan A.; Abdulrahman, Mazin B. ... Arbili, Mohamed M. Published: Sep 2022 in Journal of the Mechanical Behavior of Materials DOI: 10.1515/JMBM-2022-0206 Web of Science accession number: WOS:000850293300001</p>	1
<p>Systematic review on geopolymer composites modified with nanomaterials and thin films: Enhancing performance and sustainability in construction Authors (6): Alaskar, Abdulaziz; Mahmood, Muhammad Sarmad ... Arbili, Mohamed M. Published: Dec 2023 in Construction and Building Materials DOI: 10.1016/J.CONBUILDMAT.2023.133888 Web of Science accession number: WOS:001106425900001</p>	0
<p>Evaluation of Factors Affecting the Competitive Advantage of Organizations in Establishing Sustainable Project Management Post Covid-19 Authors (12): Bageis, Abdulrahman S.; Waqar, Ahsan ... Benjddou, Omrane Published: Nov 2023 in Journal of Engineering DOI: 10.1155/2023/3529313 Web of Science accession number: WOS:001112440700001</p>	0

<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>Web of Science accession number: WOS:001106114500001</p>	0
<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>Web of Science accession number: WOS:001074015700001</p>	0
<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>Web of Science accession number: WOS:001122870200002</p>	0
<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>Web of Science accession number: WOS:001095904000001</p>	0
<p>Triaxial Compression Behavior of Sandy Soil Polluted with Crude Oil</p> <p>Authors (4): Farman K. Ghaffoori; Mohamed M. Arbili ... Talib K. Ibrahim</p> <p>Published: Mar 2022 in Geotechnical Engineering and Sustainable Construction</p> <p>DOI: 10.1007/978-981-16-6277-5_3</p>	Not indexed in the Web of Science
<p>EXPERIMENTAL MEASUREMENT OF UNDRAINED SHEAR STRENGTH OF FINE GRAINED SOIL-CRUDE OIL MIXTURES USING DIFFERENT TECHNIQUES</p> <p>Authors (3): Awad, M.A.; Khalaf, M.M.; Arbili, M.M.</p> <p>Published: 2022 in Journal of Engineering Science and Technology</p>	Not indexed in the Web of Science
<p>Utilization of Styrene-Butadiene Rubber (SBR) Polymer Replacement of Fine Aggregate in Concrete</p> <p>Authors (5): Mohamed M. Arbili; Farman K. Ghaffoori ... Talib K. Ibrahim</p> <p>Published: Sep 2021 in IOP Conference Series: Earth and Environmental Science</p> <p>DOI: 10.1088/1755-1315/856/1/012032</p>	Not indexed in the Web of Science

<p>Effect of Slag on Engineering Properties of Contamination Soil Authors (3): Mohamed Moafak Arbili; Mohamed Karpuzcu; Farman Khalil Published: Aug 2020 in Key Engineering Materials DOI: 10.4028/WWW.SCIENTIFIC.NET/KEM.857.253</p>	<p>Not indexed in the Web of Science</p>
<p>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</p>	<p>Not indexed in the Web of Science</p>
<p>Optical Analysis of 1300 nm GaInNAsSb/GaAs Vertical Cavity Semiconductor Optical Amplifier Authors (1): Mohamed Moafak ARBILI Published: Apr 2020 in ZANCO Journal of Pure and Applied Sciences DOI: 10.21271/ZJPAS</p>	<p>Not indexed in the Web of Science</p>
<p>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</p>	<p>Not indexed in the Web of Science</p>
<p>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)</p>	<p>Not indexed in the Web of Science</p>
<p>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</p>	<p>Not indexed in the Web of Science</p>
<p>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</p>	<p>Not indexed in the Web of Science</p>
<p>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</p>	<p>Not indexed in the Web of Science</p>
<p>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</p>	<p>Not indexed in the Web of Science</p>

Verified Reviews

Review Summary



Reviewer Summary

For manuscripts reviewed from date range January 2015 - January 2024

(4) Computers, Materials and Contin...	(4) International Research Conferen...
(3) International Engineering Confer...	(2) Advances in Civil Engineering
(1) Computers and Concrete	(1) International Conference on Envi...

15 REVIEWS OF 12 MANUSCRIPTS

For manuscripts published from date range January 2015 - January 2024

Early Diagnosis of Cardiac Disorders Using ML-based Decision Support System
2 rounds from Dec 2023 to Dec 2023 for Computers, Materials and Continua

Enhancing PDF Malware Detection Through Logistic Model Trees
2 rounds from Dec 2023 to Dec 2023 for Computers, Materials and Continua

Effectiveness of Coagulation and Flocculation as a Chemical Wastewater Treatment Process
Reviewed: Oct 2023 for International Conference on Environment and Sustainability

Influence of Curing Time and Initial Moisture Content on Metakaolin-Based Geopolymer-Stabilized Soft Soil
2 rounds from Aug 2023 to Sep 2023 for Advances in Civil Engineering

The Influence of Filler Loading on the Mechanical Characteristics of Synthetic Rubber Composites Filled with Waste Fiber
Reviewed: Aug 2023 for International Research Conference on Engineering and Applied Sciences

Structural and Mechanical Properties of Chitosan/PVA Composite Reinforced By Ag/Au
Reviewed: Jul 2023 for International Research Conference on Engineering and Applied Sciences

A Study of Some Properties of Geopolymer SIFCON Concrete Formed from Fly Ash as a Binder
Reviewed: Jul 2023 for International Research Conference on Engineering and Applied Sciences

Effect of Al₂O₃ Nanoparticles as Reinforcement on Microstructure and Hardness
Reviewed: Jul 2023 for International Research Conference on Engineering and Applied Sciences

A Hybrid Technique Adopted for Study on the Properties of Geopolymer Concrete By Using Recycled Concrete Aggregates
Reviewed: Jun 2023 for Computers and Concrete

Determination of the Labor Productivity Rates for New Materials
Reviewed: Jan 2023 for International Engineering Conference

Workers' Perception of Safety Climate in the Philippine Construction Industry To
Reviewed: Jan 2023 for International Engineering Conference

Effect of Partial Replacement of GGBS with Pumice Powder and Silica Fume on The
Reviewed: Jan 2023 for International Engineering Conference

Editor records

Editor Summary

For manuscripts handled from date range January 2015 - January 2024

(1) Journal of Engineering

For manuscripts published from date range January 2015 - January 2024 (1)

Prediction of Crop Yield by Support Vector Machine Coupled with Deep Learning Algorithm Procedures in Lower Kulfo Watershed of Ethiopia

Decision date: 2023-10-27 for Journal of Engineering
