

1- Personal Details

Name : Omer A. Alawad
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2- Area of specialization:

Major	Structural Engineering
Minor	Concrete and Cement Microstructure

3- Education & Qualifications

Date	Degree	University name	Country	Title of the Dissertation
2004	Bachelor	Sudan University of Science and Technology	Sudan	Analysis and Design of Prestressed Concrete Beam Using Visual Basic Program
2009	Master	University Putra Malaysia	Malaysia	Flexural Behavior of Reinforced Concrete Beam Embedded with FRP
2015	Ph.D.	University Putra Malaysia	Malaysia	Development of Ground Dune Sand Blended Cement

4- Professional Activities:

Job Title	Place	Country	From	To
Assistant Professor	College of Engineering- Majmaah University	Saudi Arabia	2016	Till now
Researcher	College of Engineering- King Saud University	Saudi Arabia	2012	2015
PhD. Student and Research	Faculty of Engineering- University Putra Malaysia	Malaysia	2007	2011
Resident Engineer	Concrete Engineering Company	Sudan	2006	2007
Site Engineer	Pardis Company Ltd	Sudan	2005	2006
Teaching Assistant	College of Engineering- Sudan University of Science and Technology	Sudan	2004	2004

5- Teaching Experiences

#	Teaching Experiences	University	From	To
1	Mechanics of Materials (Statics), Structural Analysis, Reinforced Concrete Design, Properties of Materials, Equipment and Construction Methods	Majmaah University	2016	Till now
2	Researched and developed various civil engineering projects including construction materials, concrete durability and structures assessment.	King Saud University	2012	2015
3	Instructed tutorial for KAW5104 course (Concrete Technology), Participated in manuscript writing for publication in peer-reviewed scientific journals and conferences.	University Putra Malaysia	2007	2011

4	Instructed tutorial for various courses at Department of Civil Engineering including Reinforced Concrete Design, Structural Analysis, Structural Steel Design.	Sudan University of Science and Technology	2005	2006
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6- Areas of Specialization

#	Areas of Specialization
1	Using smart cementitious Composite Materials in building technology

7- Current membership in professional organizations

#	Membership	ID
1	Sudan Engineering Society	#25723
2	Sudan Engineering Council	

8- Publications (most important publications in the last 5 Years)

#	Publications / Presentations	Journal (Conference)	Publishing Year (Conference Date)
1	Characterization of Scoria Rock from Arabian Lava Fields as Natural Pozzolan for Use in Concrete	European Journal of Environmental and Civil Engineering,	2019
2	Nanofluid MHD forced convection heat transfer around the elliptic obstacle inside a permeable lid drive 3D enclosure considering lattice Boltzmann method	Physica A: Statistical Mechanics and its Applications	2019
3	Properties of high-performance concrete incorporating high-volume ground scoria rocks as natural pozzolan	Magazine of Concrete Research	2017
4	Effect of Autoclave Curing on the Microstructure of Blended Cement Mixture Incorporating Ground Dune Sand and Ground Granulated Blast Furnace Slag	International Journal of Concrete Structures and Materials	2015
5	Heat of hydration of concrete containing powdered scoria rock as a natural pozzolanic material	Construction and Building Materials	2015
6	Blended cement containing high volume ground dune sand and ground granulated blast furnace slag for autoclave concrete industry	Applied Mechanics and Materials	2015
7	Evaluation of Powdered Scoria Rocks from Various Volcanic Lava Fields as Cementitious Material	Journal of Materials in Civil Engineering,	2015
8	Microstructure analyses of autoclaved ground dune sand-Portland cement paste	Construction and Building Materials	2014
9	Use of fine ground dune sand as a supplementary cementing material	Journal of Civil Engineering and Management	2014
10	Properties of mortar incorporating ground dune sand as cement replacement material"	Advanced Materials Research	2014

9- MAJOR RESEARCH PROJECTS

#	Research Project	Status (Now/Finished)	Funded by
1	None	None	None