



Dr. Manal Osman Suliman Abd ALrahman, Ph.D. C.E

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Civil Engineering-Structural Engineering

هندسة مدنية - تخصص انشاءات

Associate Professor

الرتبة الأكاديمية: استاذ مشارك:

Academic Qualification:

المؤهلات العلمية:

1. Ph.D. in Civil Engineering , Osmania University, 2013 ; Hyderabad, India.	.1
2. M.Sc. in Civil Engineering , Building Technology. University of Khartoum, 2005 ; Khartoum, Sudan.	.2
3. B.Sc. in Civil. Eng. – AlZaiam Alazhari University, 2001 ; Khartoum, Sudan.	.3

Professional Objectives:

الأهداف المهنية

Areas of expertise and interest include:

- Reinforced concrete design and advanced laboratory testing
- Field performance evaluation, the performance and improvement of precast constructions
- Steel structures and design.
- Engineer consultant in Civil and structural engineering.
- Earthquake studies.

Educational Experiences

الخبرات التدريسية:

Assistant Professor Jerash University, Civil Engineering Department, Jerash, Jordan	to Present	From March. 2015	.١
Assistant Professor University of Blue Nile, Civil Engineering Department Blue Nile State –Sudan	to March 2015	From January 2014	
Lecturer University of Blue Nile, Civil Engineering Department ,Blue Nile State , Sudan	to December 2008	From May 2005	.٢
Teaching Assistant University of AlZaiam Alazhari , Civil Engineering Department ,Khartoum state , Sudan	to December 2005	From March 2002	.٣

Language Proficiency

Language : General Reading Writing Speaking

English : very good very good very good very good

Arabic : Native Language

References

- Name: Prof. Dr. Ahmed Mohammed Elsharief

Address : Building and Roads Research Institute (BRRI)

University of Khartoum , Khartoum, P.O. Box : 321

SUDAN, Fax, 249-11-779046

Email: aelsharief@yahoo.com

- Name: Prof. Dr. V. S. S. KUMAR

Address: Civil Engineering Department

University College of Engineering (A)

*Director, Artificial Intelligence Centre
Osmania University, Hyderabad 500 007
Ph: 27097125
Email: vsskumar1958@hotmail.com*

- *Name: Prof. Dr. Elhussein Ahmed Elhussein Elarabi*

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University of Khartoum. P.O. Box 321, Khartoum, SUDAN
Ph: 00249 183 781412
Email: husseinelarabi@yahoo.com*

Skills and Experiences

1. Academic:

1. From March 2002 until December 2005, Dr. Manal Osman Suliman was worked as teaching assistant at university of AlZaiam Alazhari, civil engineering department, Khartoum state, Sudan , Whereas, where she assist the assistant professors in taught the following courses

- soil mechanics,
- Strength of Materials,
- Steel Design,
- Structural Analysis,
- Concrete Design,
- Statics

2. She worked from 2005 to 2008 as a faculty member as lecturer at university of Blue Nile, civil engineering department ,Blue Nile State , Sudan , where he taught the following courses:

- Dynamics
- Statics
- Strength of Materials
- Building construction
- Reinforced concrete design.
- Steel structures
- Structural Analysis (1,2)

3. She worked from 2014 to 2015 as a faculty member as assistant professor at university of Blue Nile, civil engineering department ,Blue Nile State , Sudan, where she taught the following courses:

- a. Dynamics
- b. Statics
- c. Strength of Materials
- d. Building construction
- e. Reinforced concrete design (1&2).
- f. Steel structures
- g. Structural Analysis (1&2)
- h. Design of Prestressed Concrete Structures

4. From 2015 till now she worked as a faculty member, assistant professor at Jerash University ,civil engineering department, taught the following courses:

- a. Dynamics
- b. Statics
- c. Strength of Materials
- d. Reinforced concrete design (1&2)
- e. Design of Prestressed Concrete Structures
- f. Structural Analysis (1&2)
- g. Construction Projects Management
- h. Graduation projects (1&2)

2.0 Professional:

Dr. Manal Osman graduated in 2001, where she worked after graduation as a site engineer in the implementation of the single story buildings and multi-story residential and buildings she also provided consultancy services for the design of foundations of multi-story building in Khartoum and other towns in the Sudan. They include multi-story commercial buildings, multi-story residential buildings. Dr. Manal Osman Participated in numerous consultancy task forces for the study of problems of various nature in buildings, foundations, earthwork and earth structures.

3. Trainings Attended & Certifications:

1. Tow-Day Training Programmed on (Special Concretes (SPCON 2009)), University college of Engineering, Hyderabad.
2. Tow-Day Workshop on Good Concrete Construction Practices (GCC-2012) University college of Engineering, Hyderabad.
3. 160-Hour Proficiency Course in English, the English and Foreign Languages University, Hyderabad, India.
4. Certificate course on Cad (Auto cad and 3Dmax), Wikee Soft Technologies, Hyderabad, India.
5. Training Certificate on Road and Bridges, Ministry of Road and Communication, Sudan.
6. Certificate Course on General English Language, The red sea academy for Languages –Translation and Computer Sciences ,Sudan

3.0 Workshops and Seminars: Participation:

- 1-Delivered seminar on “Optimization of Uncertain Construction Time-Cost Trade Off Problem Using Simulated Annealing Algorithm” to participants of “World Congress on Information and communication Technologies, Mumbai, India, December 11th -14th, 2011
- 2-Delivered seminar on “Multiobjective Particle Swarm Optimization for Fuzzy Time-Cost Trade Off Problem” to participants of National Conference on Advance and Challenges in Engineering and Science (NCACES 2012) Gujarat –India.

Published and Accepted Technical Papers

الابحاث المنشورة والمقبولة للنشر:

No	عنوان البحث Article Title	المؤلفون Authors	المجلة Journal	العدد Volume	السنة Year
1	Effects of Wood Ash and Waste Glass Powder on Properties of Concrete in Terms of Workability and Compressive Strength in Jaresh City	Yasser I. O. Yahia Hesham Alsharie Manal O. Suliman Talal Masoud	Open Journal of Civil Engineering	Vol 7 No: 3	2017
https://www.scirp.org/pdf/OJCE_2017082314373753.pdf					
2	Effects of Stone Cutting Powder (Al-Khamkha) on the Properties of Self-Compacting Concrete	Manal O. Suliman Hesham Alsharie Yasser I. O. Yahia Talal Masoud	World Journal of Engineering and Technology	Vol 5 No: 4	2017
https://www.scirp.org/pdf/WJET_2017102314321156.pdf					
3	Stabilization OF Clayey Soil Using Cement, Gypsum and Wheat Husk Ash	Yasser I O Yahia Manal Osman	International Journal of Current Research	Vol 10 No:1 0	2018
http://www.journalcra.com/sites/default/files/issue-pdf/32702.pdf					
4	Optimization of Shape Design for Gravity Retaining Walls	Talal Masoud Hesham lsharie Zaydoun Abu Salem Yasser I. O. Yahia Manal O. Suliman	International Journal of Innovative Science and Modern Engineering (IJISME)	Vol 5 No:8	2018
https://www.ijisme.org/wp-content/uploads/papers/v5i8/H1086095818.pdf					
5	Study of Different Pitched Roof Types	Bassam Abu Awwad Manal O.Suliman Mansour Safran	Civil and Environmental Research	Vol 10 No: 3	2018
https://www.iiste.org/Journals/index.php/CER/article/view/41818/43068					

6	Study on Flat Roofing Systems	Bassam Abu Awwad Manal O. Suliman	Journal of Advanced Sciences and Engineering Technologies JASET	Vol 1 No:2	2018
https://www.researchgate.net/publication/328142274_Study_on_Flat_Roofing_Systems					
7	Effect of Alkhmhah on Swelling Index Properties of Expansive Soils From Jerash in Jordan	TALAL MASOUD MANAL O. SULIMAN SHEHDEH GHANNAM HESHAM ALSHARIE	International Review of Basic and Applied Sciences	Vol 7 No:12	2019
https://irbas.academyirmbr.com/papers/1573534780.pdf					
8	Influence of Energy on Compaction Characteristics of High Expansive Soils	Talal Masoud Manal O. Suliman	International Journal of Engineering and Advanced Technology (IJEAT) https://www.ijeat.org/wp-content/uploads/papers/v9i5/E1114069520.pdf	Vol 9 No:5	2020
https://www.ijeat.org/wp-content/uploads/papers/v9i5/E1114069520.pdf					
9	Effects of Barley Straw and Plastic Fibers on Pozzolan Cement Concrete Properties	Manal O. Suliman	International Research Journal of Innovations in Engineering and Technology (IRJIET)	Vol 4 No:9	2020
https://irjiet.com/common_src/article_file/1600755068_ba70e1c859_4_irjiet.pdf					
10	Theoretical Analysis of Factors Affecting Ultimate Nominal Load of Reinforced Concrete Axially Loaded Short Squire Columns (Pu) Comparing use Prokon Program	Yasser I O Yahia Manal O. Suliman Abdulrazzaq J.Alkherret Shehdeh ghannam.	Journal of Advanced Sciences and Engineering Technologies	Vol 3 No:2	2020
http://jaset.isnra.org/wp-content/uploads/sites/12/2020/11/Vol-3.no2_p4-1.pdf					

11	Effect of Stone Cut Powder and Limestone Powder on The Properties of Portland Pozzolan Cement Concrete	Manal O. Suliman Talal Masoud Musab Y. Abuaddous Hesham ALsharie	International Journal of Advanced Research in Engineering and Technology (IJARET)	Vol 11 No:12	2020
https://www.iaeme.com/MasterAdmin/uploadfolder/IJARET_11_12_229-2/IJARET_11_12_229-2.pdf					
12	Using Fine Silica Sand and Granite Powder Waste to Control Free Swelling Behavior of High Expansive Soil	Manal O. Suliman Abdulrazzaq J.Alkherret	Modern Applied Science	Vol 15 No:1	2021
http://www.ccsenet.org/journal/index.php/mas/article/view/0/44471					
13	Effect of Curing Temperature and Curing Time on the Strength Development of Fly Ash-based Geopolymers Concrete	Ayat Al Hinawi , Manal O. Suliman	Design Engineering	Vol 7	2021
http://www.thedesignengineering.com/index.php/DE/article/view/4467					

Personal Data:

المعلومات الشخصية

الاسم	:	منال عثمان سليمان
مكان وتاريخ الميلاد	:	1975 /03/09
الجنسية	:	السودان
الحالة الاجتماعية	:	متزوج
عنوان السكن	:	Jordan – Amman – - Amman
هاتف العمل	:	فرعي ٠٥/٣٨٢١١٠٠
الهاتف النقال	:	00962/780297424
العنوان البريدي	:	Manal2015sd@gmail.com and manal.suliman@jpu.edu.jo

All courses below were taught and now are being taught by Dr. Manal Osman Suliman in Civil Engineering Department, Engineering Faculty, Jerash-University

(Courses) المواد

Reinforced Concrete 1	خرسانة مسلحة ١
Reinforced Concrete 2	خرسانة مسلحة ٢
Design of Prestressed Concrete Structures	خرسانة مسبقة الاجهاد
Strength Of Materials	مقاومة المواد
Graduation Projects 1 and 2	مشاريع تخرج (1&2)
Engineering Mechanics for Architecture	ميكانيك هندسي لطلبة العمارة
Structural Mechanics and Analysis for Architecture	ميكانيكا الانشاءات التحليلية لطلبة العمارة