

CURRICULUM VITAE

Dr. Mohamed Abdalla Mohamed Almheriegh
Ph.D, M Eng., B Sc.

Name	<u>Mohamed Abdalla Mohamed ALMHERIEGH</u>
Date of Birth	01 January 1956
Sex	Male
Country of Birth	LIBYA
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Employment:

#	Date	Work Place	Position Held
1	April 2022- Now	Civil Eng. Dept. Tripoli University, Libya	Professor
2	April 2018 - 2022	Civil Eng. Dept. Tripoli University, Libya	Associate Professor in Structural Eng.
3	April 2014- April 2018	Civil Eng. Dept. Tripoli University, Libya	Assistant Professor in Structural Eng.
4	November 1992 — April 2014	Civil Eng. Dept. Tripoli University, Libya	Lecturer in Structural Eng.
5	September 1988 — November 1992	Engg. Sce. Dept. Naser University, Libya	Lecturer in Structural Eng.
6	May 1987 — September 1988	Margeb Province Region Libya	Chief Engineer and General Manager for Projects
7	June 1984 – May 1987	Civil Eng. Dept. University of Benghazi, Libya	Assistant Lecturer in Structural Eng. and Head Eng. Sc. Dept.
8	October 1979 – August 1980	Civil Eng. Dept. University of Benghazi, Libya	Teaching Assistant in Civil Eng. Dept.
9	March 1979 – September 1979	Tarhuna Province Libya	Head of Engineering and Technical Division

 In my academic career, I have taught the following civil engineering courses:
 finite element analysis, dynamic analysis of structures, solid mechanics theory

and laboratory, structural analysis courses, design of steel, concrete and masonry structures; management of civil engineering projects; practical field survey course, civil engineering materials theory and laboratory, soil mechanics.

- ✚ During my work career as a chief engineer and head of engineering and technical division, I was involved in engineering municipal projects design as well as leading the supervision team of engineers for water projects, wastewater projects, public housing, public administrative buildings, schools, urban roads and pavements, services and highway road works.
- ✚ Proficient in computer with all windows related software and fluent in spoken and written English and Arabic languages.

Research Interests:

- ✚ Research interests include application of the finite element and boundary element methods in studying static and dynamic structural behaviour of civil engineering materials and structures using implicit and explicit techniques and employing state-of-the-art software in this field, improvements of design codes and guidelines for offshore structures by incorporating practical experience and academic research.
- ✚ Interested in studying the static and dynamic behaviour of steel structures as well as combined steel and concrete structures, structural masonry, steel and reinforced concrete design using limit states approach.

Higher Education:

	Institution	Date Attended	Degree	Major
1	The University of Salford Manchester, UK	July 2001—July 2006	Ph. D	Structural Engineering
2	Carleton University Ottawa, Ontario Canada	Sep. 1981- June 1984	Master of Engineering	Civil Engineering (Structures)
3	University of Benghazi Benghazi, Libya	Sep. 1973 – Oct. 1978	B. Sc. Eng.	Civil Engineering

Supplimentary Education:

	Institution	Date Attended	Quilification
1	School of Languages The University of Salford Manchester, UK	January 2001 – June 2001	Technical Writing and Advanced Academic English Course
2	UBC Language Institue Vancouver, B C, Canada	September 1980 – June 1981	College Preparation and English Emersion Courses

Pre-University Education:

	School	Date Attended	Certificate
1	Khoms High School Khoms, Libya	1970 – 1973	Libyan Secondary (High school) Education Certificate
2	Tarhuna Preparatory School, Tarhuna, Libya	1967 – 1970	Preparatory Education Certificate
3	Eddawoon Primary School, Eddawoon, Libya	1962 – 1967	Primary Education Certificate

Published works

- 1.” Common causes of cracking in Masonry Walls Diagnosis and Remedy”
International Journal of Sciences: Basic and Applied Research (IJSBAR), Vol. 14, No 1
(2014), PP 25-33, ISSN 2307-4531.
2. “Advanced Structural Dynamics Analysis by LS-DYNA3D Code”
International Journal of Sciences: Basic and Applied Research (IJSBAR), Vol. 13, No 1
(2014), PP 316- 332, ISSN 2307-4531
3. “Economic House for Developing Countries” IOSR Journals of Mechanical and Civil
Engineering, IOSR Journals, International Organization of Scientific Research, pp 37-47.
Volume: issue: 1 (Version -4) e-ISSN: 2278-1684 p-ISSN: 2320-234X.
4. “Initial Strain Problems Formulation of Combined Materials” IOSR Journals of Mechanical
and Civil Engineering, IOSR Journals, International Organization of Scientific Research, pp
37-47. Volume: 11 issue: 1 (Version -4) e-ISSN: 2278-1684 p-ISSN: 2320-234X.
- 5.” Introducing Wind Converters to New Designers Full Report”
International Journal of Sciences: Basic and Applied Research (IJSBAR), page 176-
199, Vol.33, No 2 (2017), ISSN 2307-4531.
6. “Two-Dimensional Verification Model for Buoyancy Using Explicit Code”
International Journal of Sciences: Basic and Applied Research (IJSBAR), page 200-
216 Vol.33, No 2 (2017), ISSN 2307-4531.
7. “Floating Wind Turbine Modelling for Analysis Using LS-DYNA3D Code”
American Scientific Research Journal for Engineering, Technology, and Sciences
(ASRJETS) ISSN (Print) 2313-4410; ISSN (Online) 2313-4402 Volume 38,
Number 1, Pages 179-196, Year: 2017.
8. “Three-Dimensional Verification Model of Floating Wind Energy Converter Using
LS- DYNA3D Code” American Scientific Research Journal for Engineering,
Technology, and Sciences (ASRJETS) ISSN (Print) 2313-4410; ISSN (Online)
2313-4402 Volume 38, Number 1, Pages 197-218, Year: 2017.
9. “Stability Validation: Righting Moment, Density & List Angle of Floating Objects”
https://asrjetsjournal.org/index.php/American_Scientific_Journal/article/view/7070
Vol 82 No 1 (2021), pages 34-51, Published: 2021-09-19
https://asrjetsjournal.org/index.php/American_Scientific_Journal/issue/view/1097070

10. "Calculating Environmental Design Loads for Floating Wind Turbine"
https://asrjetsjournal.org/index.php/American_Scientific_Journal/article/view/7071
 Vol 82 No 1 (2021), pages 52-65, Published: 2021-09-19
https://asrjetsjournal.org/index.php/American_Scientific_Journal/issue/view/109_7070
11. "Rotor Blade Aerodynamics Forces Modelling for Dynamic Analysis"
https://asrjetsjournal.org/index.php/American_Scientific_Journal/article/view/7072
 Vol 82 No 1 (2021), pages 66-77, Published: 2021-09-19
https://asrjetsjournal.org/index.php/American_Scientific_Journal/issue/view/109_7070
12. "Input File for Modelling Floating Wind Turbine for Dynamic Structural Analysis"
https://asrjetsjournal.org/index.php/American_Scientific_Journal/article/view/7073
 Vol 83 No 1 (2021), pages 12-37, Published: 2021-10-15
https://asrjetsjournal.org/index.php/American_Scientific_Journal/issue/view/110
13. "Linear Strain Triangle Mathematics: Stiffness, Stress and Consistent Load Vector"
https://asrjetsjournal.org/index.php/American_Scientific_Journal/article/view/7074
 Vol 83 No 1 (2021), pages 1-11, Published: 2021-10-15
https://asrjetsjournal.org/index.php/American_Scientific_Journal/issue/view/110
14. "Simple and Efficient House for Rural and Desert Areas" Dr. Mohamed Abdalla
 Almheriegh, Al-OSTAH Journal, volume 21m Fall 2021

Works under evaluation for publishing:

1. Local Buckling in Beam Finite Elements in the Fire Situation: An Equivalent Stress Method.
2. Low Rise Masonry Walls without Cracking: a Comprehensive Report
3. Detailed Finite Element Model For Analysing Floating Wind Turbine Structure Using LS-DYNA3D Explicit Code
4. Loadbearing Masonry Buildings: Still a Good Structural Option.
5. Movements in Masonry Buildings: Design & Construction Precautions.
6. Explicit Code for Finite Element Analysis -Offshore Structures Application- A Diagnostic Review

Research Papers in Writing Process:

1. "Explicit versus Implicit Finite Element Analysis: An Overview"
2. "Fatigue Analysis for Structural Steel Vibrating Members."
3. "Implicit versus Explicit Finite Element Analysis Codes"
4. "Structural Steel Code of Practice, North American versus European Practices"
5. Upgrading Engineering Education in Developed Countries.