

DR. MAIS GHASSOUN CV.

	Mais Adeeb Ghassoun	full name
	1983	date of Birth
	Homs – Wadi Alzahab	current address
	single	Marital status
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❖ Academic Qualifications

•I graduated from the Faculty of Civil Engineering, Department of Structural Engineering, with a Rate of 64.76% with a grade of “Good” in 2007.

•I obtained a Master's degree from Al-Baath University / College of Civil Engineering / Department of Structural Engineering in 2014 and the title of the thesis was “Studying the phenomenon of seismic shock and the factors affecting it)”, supervised by Dr. Ali Al-Jarash, with a rate of 78.20%, and a grade of “Very Good”.

- I completed my doctorate research and obtained a PhD from Al-Baath University / College of Civil Engineering / Department of Structural Engineering in 2020 and the title of the thesis was "An Analytical Study of the Effect of Changing Vibration Amplitudes on the Dynamic Properties of Reinforced Concrete Bridges" under the supervision of Prof. Ali Al-Jarash from Al-Baath University and Dr. Reem El-Sehnawy from the Higher Institute of Seismology in Damascus University, with a grade point average of 94% and a grade of "Distinction".

❖ **Professional and Academic Experience**

- Teaching at the Faculty of Civil Engineering - Al-Baath University from 2011 to 2014 /Surveying/
- Teaching in the Faculty of Architecture from 2014 to 2016 /Building Services Engineering, Concrete Structures Part 2& Structural Design/
- Teaching in the Faculty of Architecture at Al-Baath University in 2020-2021 /Structural Mechanics Part 1, Structural Design& Concrete Structures/
- Teaching in the Faculty of Civil Engineering at the University of Hama in 2020-2021 / Construction Mechanics Part 2 & Special Concrete Structures (Pre-stressed Tanks)/

- Teaching at the Faculty of Engineering in Al-Wadi International Private University in 2021-2022 /Structural Design& Structural Mechanics& Engineering Mechanics/2021-2022
- Delivering short training courses to civil engineers who want to apply to for engineering ranks in the Department of Structural Engineering at the Syrian Engineers Syndicate 2020,2021,2022
- Completed several training courses in ETABS, VISUAL BASIC, AUTOCAD, STAAD PRO, ROPOT, CIVIL 3D, ICDL, INVENTOR PROFESSIONAL, Building & Cladding Materials and Technology).
- Experience with dynamic analysis programs: (ANSYS workbench, ABAQUS)
- Completed several language courses in English, French and Russian.
- Certificate of Internal Auditor for the Quality Management System ISO 9001:2015 from the Quality Assurance and Reliability Center at Al-Baath University in 2020
- Representative Member at the Syrian Engineers Syndicate – Homs Branch, 2020-2024.
- Member of the Structural Engineering Department Committee, Scientific Research Committee, Public Relations, Media, Activity

and Publishing Committee in the Homs Branch of the Syrian Engineers Syndicate for 2020 and 2021

- Faculty member at the Faculty of Engineering at Al-Wadi International Private University, starting from 2021
- Member of the Scientific Committee of the International Conference on Construction Engineering: towards more sustainable structures: ICCE 2022.

❖ **Published Research**

- A research titled (The Effect of Seismic Impact on Buildings with Different Geometric and Dynamic Characteristics) in Al-Baath University Journal, Volume No. /36/ for the year 2014.
- Research titled (Mathematical Modeling of Seismic Collision between Neighboring Buildings) in Al-Baath University Journal, Volume No. /40/ for the year 2018.
- A research titled (Mechanisms of Adjacent Buildings Collision and Their Local and Total Seismic Response) in Al-Baath University Journal, Volume No. /40/ for the year 2018.
- Entitled (Changing the dynamic properties of reinforced concrete bridge piles with vibration amplitudes) research in Al-Baath University Journal, Volume No. /41/ for 2019

- Research entitled (Improving the Dynamic Properties of Reinforced Concrete Bridges by Studying a Wide Range of Vibration Amplitudes) in Al-Baath University Journal, Volume No. /41/ for 2019
- Research entitled (Determining the vibration amplitudes of reinforced concrete bridge piles in the plastic stage for fixed and variable dynamic properties) in Al-Baath University Journal, Volume No. /41/ for 2019
- Research entitled (The effect of changing the dynamic responses of reinforced concrete bridges during dynamic analysis) in Al-Baath University Journal, Volume No. /42/ for the year 2020
- External research in the United States of America, "IJSER" International Journal of Scientific & Engineering Research on November 21, 2019 and the title of the research: "Analytical study of RC bridges piers by dynamic characteristics input with vibration amplitudes".
- External research at the United Arab Emirates University "Emirates Journal for Engineering Research" on 8/8/2020 and the title of the research: "Study of the effect of damping change during dynamic analysis of a neoprene-reinforced concrete bridge".
- External research in the United States of America, "IJSER" International Journal of Scientific & Engineering Research), on the

date of 2020 Research title: "Equations of natural frequency variation with acceleration amplitudes".

- External research in the Journal of the Union of Arab Universities for Engineering Studies and Research College of Engineering - University of Baghdad 2020; titled "Study of the vibration amplitudes of reinforced concrete bridge piles using ABAQUS Program".
- Research participation in the first, second and third engineering conference for graduate students at Tishreen University.
- Research participation in the conference "Engineering Scientific Research to Support Development and Reconstruction" - Al-Baath University in 2019 entitled "Study of strengthening the pillars of seismically damaged concrete bridges and its impact on the relationship between their dynamic properties and vibration amplitudes".
- Research participation in the scientific conference for the development of higher education within the framework of quality standards at Al-Baath University for the year 2021 titled "Improving the quality of seismic studies for reinforced concrete structures in the Syrian Arab Republic".

- Participation in the First International Conference on Building Engineering with a logo design for the Higher Institute for Research and Seismic Studies HISER

❖ **Practical experiences:**

- Working for the Syrian Gas Company SGC from 2008 until 2021
- Completed a training course for the latest gas processing methods conducted by the Russian company STROY in 2010.
- Contributed to the preparation of Tender books for projects of wells, gas stations and gas transmission and distribution lines
- A technical study for the project of supplying gas to the industrial city of Adra in 2010.
- An environmental study for the proposed gas pipeline route for Banias oil refinery in 2011.
- Member of the Supervisory Committee of the Banias Expansion Project in the Banias Gas Station with the Italian company SOCRATE in 2012.
- Study and implementation of high-rise tanks for the Directorate of Gas Transportation and Distribution

- Supervising the conduct of soil mechanics experiments on the site and in the laboratory of Damascus University for special building projects and the route of the Arab gas pipeline in 2011.

- Follow up the implementation of civil, construction and topographic works in gas projects, including gas stations and gas transmission lines.

- Preparing the construction plans for buildings in the Directorate of Gas Transmission and Distribution in 2013

- Participation in the construction works of the Lattakia Gas Project 2020 with the Iranian company MABNA

- Responsible for civil works in the committee for the rehabilitation of the Arab Gas Line and its facilities in 2020 - implemented by ALKHALO company

- Studying and implementing the intersections of gas pipelines with civil facilities such as (roads - railways - electricity, water and sewage lines) from 2009 to 2021.

DR.ENG. MAIS GHASSOUN