

C.V

1. **First Name:** Dalia
2. **Family Name:** Najjar
3. **Date of Birth:** 19/2/1986
4. **Nationality:** Syrian
5. **Marital Status:** Single
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8. Education:

- **B.Sc. in Civil Engineering** with specialization in General Civil Engineering, Aleppo University, Syria, from 2005 to 2009 with an (excellent) GPA of (81.33%), and grade rank 2th upon 300.
- **M.Sc. in Civil Engineering** with specialization in Structural Engineering, Aleppo University, Syria, from 2010 to 2013 with a (very good) GPA of (77.47%).
- **Ph.D. in Civil Engineering** with specialization in Seismic Structural Engineering, Higher Institute of Earthquake Studies & Research (HIESR), Damascus University, Syria, from 2015 to 2017 with a (honors) GPA of (95%).

9. Language Skills:

<u>Language</u>	<u>Reading</u>	<u>Speaking</u>	<u>Writing</u>
English	v. good	good	v. good

10. Other Skills:

Structural Analysis and Designing using Computer Packages: ETABS, SAP2000, SAFE, ABAQUS, EXCEL, AUTOCAD.

11. Training Courses:

PRIMAVERA program -2008, Statistical Package for the Social Sciences (SPSS Program) -2013, Training Course in Structural Strengthening of Existing Concrete Buildings by Syrian Engineers Syndicate in Aleppo -2013, Training on Innovation and Technology Transfer at Aleppo University -2015.

12. Other Qualifications:

AL- Basel Award for Scholastic Superiority for years (2005, 2006, 2007, 2008), ICDL Certificate -2010.

13. Job:

- **2009 - 2013: Lecturer** in the department of Structural Engineering, Faculty of Civil Engineering, Aleppo University, Syria
- **2013 - 2017: Teaching Assistant** in the department of Seismic Structural Engineering, Higher Institute of Earthquake Studies & Research (HIESR), Damascus University, Syria.
- **2017 - now: Assistant Professor** in the department of Seismic Structural Engineering, Higher Institute of Earthquake Studies & Research (HIESR), Damascus University, Syria.

14. Scientific Experience & Study Courses:

- **2009 - 2012:** Teaching the practical part of structural courses such as (**Strength of Materials, Structural Analysis, Reinforced Concrete, Masonry Buildings**) for the second, third, fourth and fifth year students at the Faculty of Civil Engineering, Aleppo University, Syria.
- **2011:** Teaching the practical part of a structural course (**Strength of Materials**) for second year students at the Faculty of Civil Engineering, Al Furat University, Syria.
- **2012 - 2013:** Using computer engineering programs for structural analysis and design such as AUTOCAD, ETABS and EXCEL through student final year projects, Aleppo University, Syria.
- **2012 - 2013:** Teaching many courses such as (**Project Management, Reinforced Concrete**) for second year students at the Engineering Technological Institute, Aleppo University, Syria.
- **2011 - 2013:** Working on my master thesis whose heading is (Seismic Analysis of One-Story Precast Concrete Warehouses).
- **2013 - 2015:** Teaching the practical part of structural courses such as (**Structural Dynamics, Seismology Principles and Seismic Engineering**) for master students at the Higher Institute of Earthquake Studies & Research (HIESR), Damascus University, Syria.
- **2015 - 2017:** working on my doctoral thesis whose heading is (Developing a Numerical Model of a Rubber Bearing with a Shape Memory Alloy (SMA) for the Seismic Rehabilitation of R/C Buildings).
- **2018 - now:** Teaching structural courses such as (**Structural Dynamics, Seismic Rehabilitation of Reinforced Concrete and Steel Structures, Seismic Response and Design of Liquid Storage Tanks**) for Academic

and Professional master students at the Higher Institute of Earthquake Studies & Research (HIESR), Damascus University, Syria.

- **2018 - now:** Teaching structural courses such as (**Structural Analysis, Strength of Materials**) for undergraduate students at the Faculty of Civil Engineering, Arab International University (AIU), Damascus, Syria
- **2018 - now:** Trainer in Alyousser Company for Engineering Progress, Damascus, Syria, site@alyousser.sy.
- **2019 - now:** Trainer in Syrian Engineers Syndicate in Damascus, Syria.
- **2019 - now:** MSc shared supervision, "*The Analytical Evaluation of Damage Effect on Dynamic Characteristics of Composite Column-Beam Connections Under Cyclic Loading*" for Ahmad Al-Najlat, (HIESR), Damascus University, Syria.
- **2019 - now:** MSc supervision, "*Evaluation of the Response of Unbonded Fiber Reinforced Elastomeric Isolators under Cyclic Loads*" for Nourhan Al-Khateeb, (HIESR), Damascus University, Syria.
- **2019 - now:** MSc supervision, "*Analytical Studies of the Various Gusset Connection with the Buckling Restrained Brace (BRB) in Steel Frame under Cyclic Loads*" for Alaa Al-Mulhem, (HIESR), Damascus University, Syria.
- **2018 - 2020:** Peer Reviewer in **American Journal of Civil Engineering**, ISSN:2330-8729 (Print), ISSN:2330-8737 (Online), Science Publishing Group, New York, USA.

15. Published Scientific Research & Conferences & Lectures:

- **2015:** M. Al Kousa, H. T. Hasan, M. K. Abdul Wahed, D. Najjar, M. Al Arab, *Structural Dynamic Characteristics Assessment of the Eighth Tower in Damascus Citadel*, Research Journal of Aleppo University, Syria, No. 13, 2015.
- **2015:** D. Najjar, *Using of Nonlinear Static Analysis (Pushover) in Assessment of Ductility Factor for Reinforced Concrete Warehouses*, Research Journal of Al Baath University, Syria, Vol. 37, 2015.
- **2015:** D. Najjar, A. Kaadan, M. N. Alyagshi Eilouch, *A Study of Developed Rubber Bearings by Using Shape Memory Alloys Wires*, Research Journal of Aleppo University, Syria, No. 15, 2015.
- **2016:** D. Najjar, A. Kaadan, M. N. Alyagshi Eilouch, *Studying the Behavior of Layers in a Seismic Base Isolation Bearing under the Influence of Applied Loads*, Research Journal of Aleppo University, Syria, No. 17, 2016.
- **2016:** D. Najjar, A. Kaadan, M. N. Alyagshi Eilouch, *Analyzing Seismic Base Isolation Bearings Using the Hyperelastic and Damage Models*, Research Journal of Aleppo University, Syria, No. 18, 2016.

- **2016:** D. Najjar, A. Kaadan, M. N. Alyagshi Eilouch, *A Study of the Effect of Variable Factors on Mechanical Characteristics of a Seismic Base Isolation Bearing*, Research Journal of Aleppo University, Syria, No. 18, 2016.
- **2017:** D. Najjar, A. Kaadan, *Hysteretic Behavior of Seismic Base Isolation Bearing (HDRB)*, Scientific days, Faculty of Civil Engineering, Aleppo University, Syria, April 23-24, 2017.
- **2017:** D. Najjar, A. Kaadan, M. N. Alyagshi Eilouch, A. Al Helwani, *Multi-Criteria Decision Making to Improve the Performance of Base Isolation Rubber Bearing*, Asian Journal of Civil Engineering, Vol. 18, No. 7, 2017.
- **2017:** D. Najjar, A. Kaadan, *Studying the Mechanical Behavior of the Seismic Base Isolation Rubber Bearing*, International Conference on Modern Technologies in Designing and Constructing Engineering structures, Faculty of Civil Engineering, Al Baath University, Syria, September 27-28, 2017.
- **2018:** D. Najjar, *Linking Between ABAQUS Software and ETABS Software for Analysis Base Isolated Structures Subjected to Earthquakes*, Syrian Engineers Syndicate in Aleppo, Syria, June 27, 2018.
- **2018:** D. Najjar, A. Kaadan, *Effect of Changing the Characteristics of Earthquakes on Seismic Response of R.C. Structures*, Research Journal of Aleppo University, Syria, No. 26, 2018.

16. Practical Experience:

- Structural Analysis and Design of many buildings in Aleppo, Syria.
- Structural Analysis and Design of two theaters in Al Rakka, Syria.
- Structural Analysis and Design of a small mosque in Aleppo, Syria.
- Structural Checking of many buildings in Aleppo, Syria.
- Structural Strengthening of an apartment building in Aleppo, Syria.

17. Interests / Hobbies:

Reading, Swimming and Travel.