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## *Curriculum vitae*

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**Zena R. Aljzaeri**

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Contact Number: 0780 823 2876

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### PERSONAL INFORMATION

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•	Date of Birth:	Dec-21-1980	Marital Status:	Married	Nationality:	Iraqi
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### EDUCATION

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- 2013-2016 **Ph. D.** in Civil Engineering  
**Missouri University of Science and Technology (MST), MO, US, GPA: 4.0**  
Dissertation titled: **Rehabilitation and Strengthening of Reinforced Concrete Members Using a Fiber Reinforced Cementitious Matrix Composite**
  - 2012-2013 Intensive English Program  
Missouri University of Science and Technology), MO, US
  - 2001-2004 **MSc.** in Civil Engineering/ Structural Engineering  
Nahrain University/ Baghdad/Iraq, **Grade: 84.7%**  
Thesis titled: **Bending Moment Influence Surfaces for Rectangular Concrete Plates Simply Supported at Three Edges and Built-in at the Fourth Edge.**
  - 1998-2001 **BSc.** in Civil Engineering  
Nahrain University/ Baghdad/Iraq, **Grade: 77%, 2<sup>nd</sup>** out of 14 graduate.
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### WORK EXPERIENCE

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- 2017- Continue Lecturer, Civil Engineering Department, Full time paid  
College of Engineering /Nahrain University/Baghdad/Iraq
  - 2006 -2012 Assistant lecturer, Civil Engineering Department, Full time paid  
College of Engineering /Nahrain University/Baghdad/Iraq
  - 2006 -2012 Structural engineer, Part time paid  
Engineering Consultancy Bureau/Nahrain University/ Baghdad/Iraq
  - 2005-2006 Structural engineer, Full time paid  
Engineering Consultant Group Company/Baghdad/Iraq
  - 2004-2005 Structural engineer, Full time paid  
Engineering Consultancy Bureau/Nahrain University/ Baghdad/Iraq
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### PROFESSIONAL EXPERIENCE

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- Analysis and design of multi-story reinforced concrete buildings.
- A quantity Surveyor Engineer for Hadeetha Diesel Engine Project.
- Analysis and design of Agricultural Technical Training & Competence Center in Al-Muthana.
- Checking and endorsement the design of Sharq Dijlah Water Treatment Plants Phase II by Parsons Company.
- A supervisor member on the construction of Steel Structural Schools.
- Checking and endorsement the design, and Supervisions on the construction of Al-Rasheed Water Treatment Plants Phase I designed by Binne & Partners.

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## ACADIMIC EXPERIENCE

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- Teaching undergraduate course/ Engineering Analysis (third level) at Civil Eng. Dept. for four years,
- Teaching undergraduate courses/ Theory of Structure (fourth level) and Surveying (second level) at Architectural Eng. Dept. for two years,
- Supervise on projects for undergraduate students,
- Member in examination committee and doing administrative works in Civil Eng. Dept.

### Currently

- ❖ Teaching undergraduate course/RC concrete design fourth level at Civil Eng. Dept.
- ❖ Teaching graduate course/Technical English at different Engineering Dep.
- ❖ Administration work/ member of examination committee in Civil Eng. Dep.

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## PERSONAL SKILLS

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| • <b>STAAD Pro.</b> | • <b>MATLAB</b> |
| • <b>Prokon</b>     | • <b>SAP</b>    |
| • <b>AutoCad</b>    | • <b>ANSYS</b>  |

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## HONORS AND AWARDS

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- 2010 Appraising of efforts from President of Nahrain University/Iraq
- 2010 Thanking for sincerity and devotion performance of works in project of building (130) school in Alahwar provinces from Minister of State/Iraq
- 2010 Thanking for hardworking in examination committee from Dean of College of Engineering Nahrain University/Iraq
- 2015 **Second place** in Student Poster Competition, Transportation Infrastructure Conference, St. Louis University Campus, Missouri, US.
- 2016 **Second place** in Graduate Research Showcase, Havener Center, MST University, US.
- 2016 **Second place** in Academy of Civil Engineers Poster Competition, MST University, US.
- 2016 Zena R. Aljazaeri and John J. Myers, “ Strengthening of Reinforced Concrete One-way Slabs for Flexure using Composite Materials: Evaluation of Different Composite Materials”, **Outstanding paper** in the Fourth International Conference on Sustainable Construction Materials and Technologies (SCMT4), Las Vegas, USA.

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## PUBLICATIONS

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- Zena Aljazaeri and Sabah Rezouki (2004),” **Bending Moment Influence Surfaces for Rectangular Concrete PlateSimply Supported at Three Edges and Built-in at the Fourth Edge.**” Journal of Engineering, Baghdad University Vol.16, No.2, PP.4795-4820.
  - Zena Aljazaeri and Sabah Rezouki,”**Effect of Poisson’s ratio on bending moment influence surfaces for rectangular plates simply supported at three edges and built-in at the fourth edge.**” First Middle East International Conference on Advances in Civil, Mechanical and Material Engineering/Amman-Jordon/10-13 May-2005.
  - Zena R. Aljazaeri and John J. Myers,”**Fatigue and Flexural Behavior of Reinforced Concrete Beams Strengthened with a Fiber Reinforced Cementitious Matrix.**” Advanced Composites in Construction (ACIC) Conference, Chesterfield, UK, 2015.
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## PUBLICATIONS

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- Zena R. Aljazaeri and John J. Myers, “**Strengthening of Reinforced Concrete Beams in Shear with Fiber Reinforced Cementitious Matrix.**” Second International conference on Performance-based and Life-cycle structural Engineering (**PLSE**), AU, Dec 9-11, 2015.
- Zena R. Aljazaeri and John J. Myers, (2016) “**Fatigue and Flexural Behavior of Reinforced Concrete Beams Strengthened with a Fiber Reinforced Cementitious Matrix.**” Journal of Composites/ASCE, 04016075.
- Zena R. Aljazaeri and John J. Myers, “ **Strengthening of Reinforced Concrete One-way Slabs for Flexure using Composite Materials: Evaluation of Different Composite Materials**”, The Fourth International Conference on Sustainable Construction Materials and Technologies (**SCMT4**), Las Vegas, USA, August 7 to 11, 2016.
- Zena R. Aljazaeri and John J. Myers, “ **Environmental Effects on the Durability Performance of FRCM Composite Bonded to Concrete** “, 5th International Conference on Durability of Fibre Reinforced Polymer (FRP) Composites for Construction & Rehabilitation of Structures (**CDCC**), Sherbrooke, QC, CANADA, July 19-21, 2017.
- Zena R. Aljazaeri and John J. Myers, “ **Strengthening of Reinforced-Concrete Beams in Shear with a Fabric-Reinforced Cementitious Matrix** ”, Journal of Composites/ASCE, 04017041.
- Zena R. Aljazaeri and John J. Myers, ” **Mechanical and Durability Performance of Reinforced Concrete One-Way Slabs Strengthening in Flexural: Evaluation of Different Composite Materials** ”, Accepted to be published in construction and building materials, ELSEVIER.

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## REFERENCES

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|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|
| • Hani Muhammad Fahmi,<br>Professor in Civil Dep./Nahrain University                                                                                                                                                       | <b>Email:</b> fahmihanim@yahoo.com<br><b>Contact Number:</b> +964 7702511139                       |
| • Dr. Riyadh Jawad Aziz<br>Professor in Civil Dep./Nahrain University                                                                                                                                                      | <b>Email:</b> Riyadh48@yahoo.com<br><b>Contact Number:</b> +964 7901405192                         |
| • Dr. Ihsan Ali Al-Shaarbaf<br>Professor in Civil Dep./Nahrain University                                                                                                                                                  | <b>Email:</b> ishaarbaf@yahoo.com<br><b>Contact Number:</b> +964 7702411088                        |
| • John J. Myers, Advisor for Ph.D<br>Professor, Missouri University of Science and Technology<br>Associate Dean for Academic Affairs, College of Engr. & Computing<br>Director, Structural Engineering Research Laboratory | <b>Email:</b> JMyers@mst.edu<br><b>Contact Number:</b> <a href="tel:5735785821">(573) 578-5821</a> |