

# Academic Curriculum Vitae



## Personal Information:



Full Name: Dr.Sinan Abdulkhaleq Yaseen

Academic Title: Professor

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## Education:

- |                        |   |           |
|------------------------|---|-----------|
| - Undergraduate degree | : Salahaddin University- College of Engineering-Civil Engineering | 1991-1995 |
| - Master`s Degree      | : 9 Eylul University- College of Engineering-Civil Engineering    | 1997-1999 |
| - PhD (Doctorate)      | : 9 Eylul University- College of Engineering-Civil Engineering    | 2000-2004 |
| - Assistant Professor  | : Salahaddin University- College of Engineering-Civil Engineering | 2013      |
| - Professor            | : Salahaddin University- College of Engineering-Civil Engineering | 2021      |

## Employment:

- First employment 2006-2010 Koya University-college of Engineering-civil eng.dept.
- Second employment 2010-still working- Salahaddin University-college of Engineering-civil eng.dept.

## Qualifications

### Teaching qualifications

Structural design –Unedegraduation

Post Graduation

## Material speciality–Unedegraduation

### Post Graduation

#### **IT qualifications**

- Engineering design programs (Staad Pro, STA4-CAD, ETABS, SAP2000)
- Auto Cad
- Programming
- Microsoft Office Package

#### **Language qualifications such as TOEFL, IELTS or any equivalent**

- Kurdish : Speaking, reading, writing, & understanding fluently.
- English : Speaking, reading, writing, & understanding very well.
- Arabic : Speaking, reading, writing, and understanding fluently.
- Turkish : Speaking, reading, writing, and understanding fluently.

#### **FIELD OF INTEREST**

##### 1- Special interest in:

- Structural optimization.
- Concrete structures.
- Structural dynamics.
- Multi scale numerical modeling and simulation for non-linear dynamic structural performance.
- Steel/concrete hybrid and composite structures.
- Earth quack engineering.
- Building/bridge aerodynamics and wind resistant design.

##### 2- General Interest in:

- Advance engineering material
- Finite element modeling
- Bridge engineering.
- Steel structure (advance buckling analysis for steel cable stayed bridges).
- Fracture and fatigue behavior of steel members.
- Long span bridge for roadway and railway.
- Analysis and design of cable supported bridges such as the cable-stayed bridges and multiple suspension bridge.

## Teaching experience:

#### **Koya University:**

- Mathematics I, Architectural Department, 1<sup>st</sup> stage.
- Computer Science, Architectural Department, 2<sup>nd</sup> stage.
- Reinforced Concrete, Architectural Department, 3<sup>rd</sup> stage.
- Concrete Technology, Geotechnical Department, 1<sup>st</sup> stage.
- Advanced Building material, Geotechnical Department, M.Sc.

#### **Salahaddin University:**

- Mechanics of Material, Civil Engineering Department, 2<sup>nd</sup> stage.
- Civil Drawings, Civil Engineering Department, 4th stage.

- Engineering Mechanics, Civil Engineering Department, 1<sup>st</sup> stage.
- Engineering Statistics, Civil Engineering Department, 2<sup>nd</sup> stage.
- Building Material and testing, Civil Engineering Department, 1st stage.
- Advanced Concrete Technology, Civil Engineering Department, PhD.
- Supervising M.Sc. thesis in structural Engineering, Civil Engineering Department (Samar Sabri Shafeeq - Strengthening and Retrofitting of Reinforced Concrete Hollow Columns using Ultra-High Strength Ferro-cement Fibers Composites, 2015)

## Research and publications

- 1- Behavior and Strength of Ferrocement Inverted U-Beams, ZANCO Journal of Pure and Applied Sciences, Vol. 22, No.1, 2010.
- 2- An Experimental Investigation into the Mechanical Properties of New Natural Fiber Reinforced Mortar, Eng. &Tech. Journal, Vol. 31, Part (A), No.10, 2013.
- 3- Effect of Type and Position of Shear Reinforcement of High-Strength Reinforced Concrete Deep Beams. Alrafidayn Engineering Journal, Vol.21, No.5, 2013.
- 4- Optimum Position of Shear Reinforcement of High-Strength Reinforced Concrete Beams, Eng. & Tech. Journal, Vol.31, No.1, 2013.
- 5- An Experimental Study on the Shear Strength of High-performance Reinforced Concrete Deep Beams without Stirrups, Eng. & Tech. Journal, Vol.34-A, No.11, 2016.
- 6- Size and Shape effects of testing specimens on the compressive Strength of Self-Compacting Concrete, ZANCO Journal of Pure and Applied Sciences, ZJPAS, 30 (1); 65-72, 2018.
- 7- Effects of curing types on the strength of high Strength self-compacting concrete, ZANCO Journal of Pure and Applied Sciences, ZJPAS, 29 (5); 22-29, 2017.
- 8- Prediction of Shear Strength of Ultra High Performance Reinforced Concrete Deep Beams without Stirrups by Neural Network, Eurasian Journal of Science & Engineering, Volume 3, Issue 1 (Special Issue); September, 2017.
- 9- Shear Strength Comparison of High Performance Reinforced Concrete Deep Beams without Stirrups Between ANSYS vs Experimental Work, ZANCO Journal of Pure and Applied Sciences, ZJPAS: 30(1): 73-84, 2018.
- 10- Shear Strength Prediction of High Performance Reinforced Concrete Deep Beams with Stirrups by ANSYS, Eurasian Journal of Science & Engineering, Volume 3, Issue 1 (Special Issue); September, 2017.
- 11- Strengthening and Retrofitting of Reinforced Concrete Hollow Columns using High Strength Ferrocement Fibers Composites, Al-Nahrain Journal for Engineering Sciences (NJES), Vol.20 No.3, pp.625-635, 2017.
- 12- Flexural Behavior of Self Compacting Concrete T-Beams Reinforced with AFRP, ZANCO Journal of Pure and Applied Sciences, ZJPAS: 32 (2): 107-114, 2020.
- 13- Flexural strength and failure of geopolymers concrete beams reinforced with carbon fibre-reinforced polymer bars, Construction and Building Materials, 231 (2020) 117185.
- 14- Flexural Capacity and Behaviour of Geopolymer Concrete Beams Reinforced with Glass Fibre-Reinforced Polymer Bars, International Journal of Concrete Structures and Materials, International Journal of Concrete Structures and Materials 14(1):14, DOI:10.1186/s40069-019-0389-1.
- 15- Comparison of the Flexural Performance and Behaviour of Fly-Ash-Based Geopolymer Concrete Beams Reinforced with CFRP and GFRP Bars, Hindawi, Advances in Materials Science and Engineering Volume 2020, Article ID 3495276.
- 16- Structural Response of AISC- composite concrete filled circular steel Columns under Lateral Load, ZANCO Journal of Pure and Applied Sciences, ZJPAS: 2020, 32 (4): 30-37.
- 17- Molarity, curing time and temperature effects on geopolymers concrete Produced by single size grade crushed aggregate,

18- Finite Element Modeling of High Strength Self-Compacting Concrete T-Beams under Flexural Load Reinforced by ARFP, ZANCO Journal of Pure and Applied Sciences, Vol 32, No 6 (2020).

## Conferences and courses attended

- MIDAS training course for analysis and design prestressed concrete bridge. (MIDAS) civil software, American university of Kurdistan, Aug. 21th, 2016.
- Working in organization committees for (1<sup>st</sup> International Conference on Engineering and Innovation Technology), SU-ICEIT 2016, Erbil, Iraq

## Professional memberships

- Kurdistan Engineering Union
- Kurdistan Teacher union
- ACI Kurdistan chapter membership
- Member in Tene Andaza Engineering Consultants Bureau

## Professional Social Network Accounts:

- researchgate

[https://www.researchgate.net/profile/Sinan\\_Abdulhaleq\\_Yaseen](https://www.researchgate.net/profile/Sinan_Abdulhaleq_Yaseen)

- linkedin

<https://www.linkedin.com/in/sinan-abdulhalik-0021bb15b/>

- Google scholar

[https://scholar.google.com/citations?hl=en&user=RVyh2DQAAAAJ&scilu=&scisig=AMstHGQAA  
AAAWwj8BbC4CHunwt1l-IYDIk5y4BHb1nta&gmla=AJsN-  
F7QOpqKyVvzikUeRCdj6QdSa9DP8trvhMRK1n2jndX3UTwNzKU7Y3KPyDCWmMAd\\_r9tPEoBA3j  
NnM29qzObHmiyWrdJPUG521p88wE1r3kQ\\_2nPX2w&sciund=15312276223006574606](https://scholar.google.com/citations?hl=en&user=RVyh2DQAAAAJ&scilu=&scisig=AMstHGQAA<br/>AAAWwj8BbC4CHunwt1l-IYDIk5y4BHb1nta&gmla=AJsN-<br/>F7QOpqKyVvzikUeRCdj6QdSa9DP8trvhMRK1n2jndX3UTwNzKU7Y3KPyDCWmMAd_r9tPEoBA3j<br/>NnM29qzObHmiyWrdJPUG521p88wE1r3kQ_2nPX2w&sciund=15312276223006574606)

- Moodle

<http://moodle.su.edu.krd/engineering/user/profile.php?id=992>

- LinkedIn

<https://www.linkedin.com/in/sinan-abdulhaleq-yaseen-26753b15a/>

- Facebook

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