CIRRICULUM VITAE

PERSONAL DETAILS:

Full Name **:** Prof. Dr. Sinan Abdulkhaleq Yaseen
Consultant and Structural Designer
B.Sc. in Civil Engineering, M.Sc. & Ph.D. in Structural Engineering

Date and Place of Birth **:** 26th May 1973 Erbil, Iraq
Marital Status **:** Married
Nationality **:** Iraqi

ADRESS:

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ACADEMIC QUALIFICATION:

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

TEACHING EXPERIENCE:

Koya University:

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

Salahaddin University:

- Mechanics of Material, Civil Engineering Department, 2nd stage.
- Civil Drawings, Civil Engineering Department, 4th stage.
- Engineering Mechanics, Civil Engineering Department, 1st stage.
- Engineering Statistics, Civil Engineering Department, 2nd 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)

PUBLICATION:

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 geopolymer 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 geopolymer 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).

PROFESSIONAL QUALIFICATION /MEMBER SHIP/ AFFILIATION:

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

CONFERENCE PROCEEDING AND TRAINING COURSES:

- 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 (1st International Conference on Engineering and Innovation Technology), SU-ICEIT 2016, Erbil, Iraq

DESIGN AND SUPERVISION (AS A CONSULTANT) OF DIFFERENT TYPE CONCRETE AND STEEL STRUCTURES: (sequence from old to recent work)

1- Constructing 37 apartment in Ainkawa region-Arbil
2- Constructing a building of High Education Ministry- Arbil
3- Renovation, rearrange the design and construct the building of Asayish Arbil (old Tobago store & PMF)
4- Supervision in veterinary directorate building in Erbil
5- Supervision in several multi-story buildings
6- Design of Multi- story buildings
7- Construct of private houses
8- Construct villa with private requirements (swimming pool; large baths….etc.)

9- Programming equipments in ceramic production factories
10- Reanalyze and design the American village
11- Supervision in Committees to build and acceptance approval consent for Language Faculty in Koya University
12- Consultancy for Koya University buildings
13- Supervision in Committees to build and acceptance approval consent for garden meadow in Koya city
14- Working with Committees to check and contribute to prepare the Master Plan for Koya city
15- Consultancy in consultant office in Engineering Faculty –Koya University
16- Working in Engineering offices
17- Design and supervision to build a mosque in Koya
18- Renovation and redesign old houses to modernize case
19- Other Projects (Consultant, Supervision, Design, Checking, Managements)
20- Consultancy in consultant office in Engineering Faculty –Salahaddin University
21- Contribution in design of Kalakchi and Pirbob bridge design in dohok.
22- Managing concrete laboratory in engineering faculty.
23- Working as a consultant engineer in Cihan Over and Under Pass Bridge during construction.
24- Working as a consultant engineer in Baz and over and under Pass Bridge during construction.
25- Working as a consultant engineer in Gwer and over and under Pass Bridge during construction.
26- Design and check design of GANJAN LIFE city buildings.
27- Consultancy for VAR PARK high-rise buildings.
28- Static and dynamic pile load test for various constructions.
29- Design and check design of Qaiwan Mirador complx city high rise buildings.

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.

LANGUAGES:

- 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.

COMPUTER SKILS:

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

REFERENCE:

1- **Prof.Dr. Omer Qarani**
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E-mail: Omar.Qarani@su.edu.krd , omerqarani@gmail.com

2- **Dr.Sıddık Topaloğlu**
Çalışma ve Sosyal Güvenlik Bakanlığı Müşaviri
Turkey
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3- **Prof. Dr. Ramazan KARAKUZU**
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