

Academic Curriculum Vitae



Personal Information:

Full Name: Omar Qarani Aziz

Academic Title: Professor

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Education:

- 1986 – 1990 BSc in Civil Engineering, University of Salahaddin, Erbil, Iraq
- 1991 – 1993 MSc in Structural Eng., University of Technology, Baghdad-Iraq
- 1994 – 1997 PhD in Structural Eng., University of Technology, Baghdad-Iraq

Employment:

- 1993 – To date, College of Engineering, Salahaddin University, Erbil.
Academic staff.

Qualifications

- Professor in Civil Eng. Dept., College. Of Eng., University of Salahaddin, 2014.
- Assist. Professor in Civil Eng. Dept., College. Of Eng., University of Salahaddin, 2000 to 2014.
- Lecturer in Civil Eng. Dept., College. of Eng., University of Salahaddin from 1996-2000.
- Assist. Lecturer in Civil Eng. Dept., College. of Eng., University of Salahaddin, from 1993-1996.
- President of ACI Kurdistan chapter from 2021 to date.
- President of ACI Iraq chapter in 2017.
- Head (Manager) of Building Directorate of University of Salahhadin, 2004-2005.

- Head of Architectural department, Engineering College, 2005-2006.
- Member of the committee of Salahaddin new Campus, 2002-2009.
- Head of the committee of Soran University Campus, 2007-2009.
- Head of the final examination committee of college of Engineering (central), 2006, 2009.
- Head and member for different teams and committees in College of Engineering and University of Salahaddin.
- Head of the committee for tendering and tender document for projects of Salahaddin University, 2000-2005.
- Member of postgraduate committee in civil engineering department from 2002 to date.
- Member of editorial board of Journal of Pure and Applied Science, Salahaddin University, 2009 - 2012.
- Head of the committee for upgrading (Promotion) of staffs in College of Eng., Salahaddin University, 2011-2015.
- Member of ACI (American Concrete Institute).
- Member of AASHTO (American Association of State Highway and Transportation Officials).
- President of ACI Iraq chapter 2017.
- President of ACI Kurdistan chapter from 2021 to date.
- Head of student internship in college of engineering 2022-2023.
- Member of ACI Iraqi Chapter founders (Board of directors 2013 to date).
- Member of ACI Kurdistan Chapter founders (Board of directors 2020 to date).
- Reviewer of ACI structural Journal.
- Reviewer of Elsevier journals

Teaching experience:

1. Salahaddin University, Civil Department):

- 2022-2023 Design of Reinforced concrete Buildings Spring semester
- 2022-2023 Design of Reinforced concrete Buildings Fall semester
- 2022-2023 Design of Reinforced concrete Bridges Fall semester
- 2021-2022 Design of Reinforced concrete Buildings First semester
- 2021-2022 Design of Reinforced concrete Structures Second semester
- 2020-2021 Design of Reinforced concrete structures 4th stage
- 2020-2021 Advanced Prestressed concrete Bridges, PhD
- 2019-2020 Design of Reinforced concrete structures 4th stage
- 2018-2019 Design of Reinforced concrete structures 4th stage
- 2018 – 2019 Advanced Reinforced concrete design, (MSc)
- 2017-2018 Design of Reinforced concrete structures 4th stage

- 2017-2018 Advanced Prestressed concrete Bridges, (PhD and MSc)
- 2017–2018 Advanced Reinforced concrete design, (MSc)
- 2016-2017 Design of Reinforced concrete structures 4th stage
- 2016–2017 Advanced Reinforced concrete design, (MSc)
- 2015-2016 Design of steel structures 4th stage
- 2015-2016 Design of prestressed concrete 4th stage
- 2015-2016 Advanced Prestressed concrete Bridges (PhD)
- 2009 -2015 Design of concrete structures 4th stage
- 2004 – 2011 Advanced Reinforced concrete design, (MSc)
- 2005 – 2006 Bridge design postgraduate (MSc)
- 2009 - 2010 Civil drawings 4th stage
- 2009 - 2010 Design of steel 3rd stage (Architectural dept.)
- 2009 - 2010 Special types of concrete postgraduate (PhD)
- 2009 - 2010 Advanced Steel Structures postgraduate (PhD and MSc)
- 2006 – 2007 Theory of Plates and Shells postgraduate (MSc)
- 2004 - 2008 Design of concrete structures 4th stage
- 2002,2003 Engineering Mechanic 1st stage
- 1997 - 2001 Design of concrete structures 4th stage
- 1997 – 1998 Concrete technology 2nd stage
- 1996 - 1997 Design of steel 3rd stage (Architectural dept.)
- 1994 – 1996 Building materials 1st stage
- 1993 – 1994 Engineering drawing and Descriptive geometry 1st stage

2. Sulaimani University:

- 2016 Structural design of high-performance concrete (PhD)
- 2003 Design of steel structures 4th stage
- 2002 Design of reinforced concrete members 3rd stage

- Supervising Nine MSc and six PhD Thesis in Structural Engineering.

- Farhad R. Karim” Bending, Shear and Torsion Strength of HSC L shape Beams” 2003
- Bayan Anwar “Punching shear strength of high strength concrete slabs” 2007
- Zrar Sadiq” Shear strength and behavior of high strength concrete corbels” 2007
- Hemen Qader” Punching shear strength of high strength concrete Flat slabs” 2008.
- Ghafur Ahmad” Punching shear strength of Ultra high strength concrete Flat Plat slabs” 2009
- Muhsen Khalid” Flexural behavior of prestressed and non-prestressed concrete beams” 2011.
- Msher Hassan “Shear strength of UHP Reinforced Concrete Deep Beams”, 2012

- Hawraz Karim M. Amin "Effect of Opening Size and Location on the Shear Strength Behavior of R.C Deep Beams without Web Reinforcement" Sam Higginbottom Institute of Agriculture, Technology & Sciences, Allahabad, India, Dec. 2013.
- Imad Rashid" Investigation of Anchorage Zone Cracks in High Performance Fiber Reinforced Concrete Post-Tension Box Girder "started March 2018.
- Bahman O. Taha, PhD "Flexural Response of High Strength Concrete Beams Reinforced with CFRP Re bars", June 2013.
- Ferhad R. Karim "Torsion of ultra-high-performance concrete beams" co-supervisor, USM University, Malaysia, 2016.
- Bassam Qasim "Strengthening slab column connections against punching shear using fiber reinforcing polymer" co-supervisor, University of Manchester, UK, 2017.
- Gufur Hamadamin "Shear strength of Segmental Box girder Bridges" Salahaddin University, started in June 2016.
- Ghassan Maroki "Optimized Post-Tensioning Anchorage Zone in Prestressed Concrete Girder" Salahaddin University, started in March 2018).
- Alan Habib "Segment Length Effect on the Capacity of Post Tension Box Girder Bridge" Salahaddin University, started in June 2018.

Research and publications

International Journals

1. Omer Qarani and Jalal A., 1996 "Strength of Crushed Stone Fibrous Concrete" Dirasat, Natural and Engineering Sciences, Vol.23, No. 1, Jordan University, Pp. 9-15.
2. Omer Qarani A. and Mereen H.F., 1996 "Moment – Curvature Relationship for Reinforced Concrete T- Beams with Steel Fibers" Mu'tah Journal, Mu'tah University, Jordan, Vol.11, No.3, Pp.11-35.
3. Omer Qarani, 1997 "Experimental Study of Strength and Repairing of Some Fibrous Concrete Beams with Externally Steel Plates" Dirasat, Natural and Engineering Sciences, Vol. 24, No. 1, 1997, Jordan University, PP.51-59.
4. Omer Qarani, 1999 "Shear Strength Behavior of High Strength Fibrous Reinforced Concrete Deep Beams without stirrups" Mu'tah Journal, University of Mu'tal, Jordan, Vol. 14, No.1.
5. Ramzi B. and Omer Qarani, 1999 "Flexural Strength of R.C.T-Beams with Steel Fibers" Cement and Concrete Composites, Vol.21, Issue: 4, Sheffield University, England PP. 263-268.
6. Omar Qarani and Ramzi B. 2012 "Shear Strength Prediction of Crushed Stone R.C. Deep with Out Stirrup" CJSR Journal, No.12-04-08.
7. Omar Qarani Aziz and Bahman O. Taha "MECHANICAL PROPERTIES OF HIGH STRENGTH CONCRETE (HSC) WITH AND WITHOUT CHOPPED CARBON FIBER (CCF) " International Journal of Civil Engineering (IJCE), Vol.2, Issue 1, Feb. 2013.

8. Omar Qarani Aziz and Bahman O. Taha "Flexure Behavior of High Strength Concrete (HSC) Beams Reinforced with Carbon Fiber Reinforced Polymer (CFRP) Rebars With and Without Chopped Carbon Fiber (CCF)" *International Journal of Scientific Research in Knowledge (IJSRK)*, April 2013.
9. Omar Qarani Aziz and Msheer Hassan Ali "SHEAR STRENGTH AND BEHAVIOR OF ULTRA-HIGH PERFORMANCE FIBER REINFORCED CONCRETE (UHPC) DEEP BEAMS WITHOUT WEB REINFORCEMENT" *International Journal of Civil Engineering (IJCE)*, Vol.2, Issue 3, July. 2013.
10. Hawraz Karim M. Amin, V.C. Agarwal, Omar Q. Aziz "Effect of Opening Size and Location on the Shear Strength Behavior of R.C Deep Beams without Web Reinforcement" *International Journal of Innovative Technology and Exploring Engineering (IJITEE)* ISSN: 2278-3075, Volume-3, Issue-7, December 2013.
11. Karim, F.R., Abu Bakar, B.H., Kok Keong, Choong, Aziz, O.Q. " Enhancement of torsional resistance in fibrous normal strength concrete beams" *IJRET: International Journal of Research in Engineering and Technology*, 2016.
12. Karim, F.R., Abu Bakar, B.H., Kok Keong, Choong, Aziz, O.Q. " Influence of cement content and glass powder on the properties of ultra-high-performance concrete" *International Journal of Engineering Trends and Technology (IJETT)*, 2016.
13. Karim, F. R., Abu Bakar, B. H., Kok Keong, C., and Aziz, O. Q. (2016d). Influence of double idealized shear flow zones on the torsional resistance in fibrous normal strength concrete beams. *International Journal of Scientific and Research Publications*, 6(8), 332-346.
14. Karim, F. R., Abu Bakar, B. H., Kok Keong, C., and Aziz, O. Q. (2016e). Influence of fibre size on the compressive strength of ultra-high-performance concrete. Paper presented at the *International Journal of Emerging Technology and Advanced Engineering*.
15. Karim, F. R., Abu Bakar, B. H., Kok Keong, C., and Aziz, O. Q. (2016f). Influence of Double Idealized Shear Flow Zones on Torsional Resistance of High Strength Fibrous Concrete Beams. *International Journal of Civil & Environmental Engineering IJCEE-IJENS*, 16(4), 9-15.
16. Sinan Abdulkhalik, Omar Qarani Aziz and B.H. Abu-Bakar "Prediction of Shear Strength of Ultra High Performance Reinforced Concrete Deep Beams without Stirrups by Neural Networks" *Eurasian Journal of Science and Engineering, EAJSE*, Vol.3, Issue 1, Sep. 2017.
17. Mohammad Ali Ihsan, Omar Qarani Aziz and Sinan Abdulkhalik "Shear Strength Prediction of High Performance Reinforced Concrete Deep Beams with Stirrups by ANSYS " *Eurasian Journal of Science and Engineering, EAJSE*, Vol.3, Issue 1, Sep. 2017.
18. Imad R. Mustafal and Dr. Omar Qarani Aziz " LITERATURE SURVEY ON ANCHORAGE ZONE DESIGN OF POST TENSION CONCRETE GIRDERS" *International Journal of Modern Trends in Engineering and Research (IJMTER)*

19. Karim, F.R., Abu Bakar, B.H., Kok Keong, Choong, Aziz, O.Q. "Improvement of Torsional Resistance in UHPC Beams by Tension Stiffening Index" Saudi Journal of Civil Engineering.; Vol-2, Iss-2 (Sep-Oct, 2018): 120-130.
20. Ghafur H. Ahmed, Omar Q. Aziz" Shear behavior of dry and epoxied joints in precast concrete segmental box girder bridges under direct shear loading" homepage: www.elsevier.com/locate/engstruct, Engineering Structures 182 (2019) 89–100.
21. Ghafur H. Ahmeda, Omar Q. Aziz" Influence of intensity & eccentricity of posttensioning force and concrete strength on shear behavior of epoxied joints in segmental box girder bridges" Construction and Building Materials, www.elsevier.com/locate/conbuildmat, Construction and Building Materials 197 (2019) 117–129.
22. Ghafur H. Ahmeda, Omar Q. Aziz" Shear strength of joints in precast posttensioned segmental bridges during 1959–2019, review and analysis" Structures, journal homepage: www.elsevier.com/locate/structures, Structures 20 (2019) 527–542.
23. Karim, F.R., Abu Bakar, B.H., Kok Keong, Choong, Aziz, O.Q." The influence of the brittleness index on fibrous normal strength concrete beams under pure torsion" American Journal of Engineering Research (AJER), Volume-8, Issue-9, pp-112-119, 2019, www.ajer.org
24. Ghafur H. Ahmed, Omar Q. Aziz" Stresses, Deformations and Damages of Various Joints in Precast Concrete Segmental Box Girder Bridges Subjected to Direct Shear Loading" Engineering Structures 206 (2020) 110151.
25. Karim, F.R., Abu Bakar, B.H., Kok Keong, Choong, Aziz, O.Q. "THE ENHANCEMENT OF ULTIMATE TORSIONAL RESISTANCE OF UNDER-REINFORCED FIBROUS, HIGH STRENGTH CONCRETE BEAMS BY THE THICKNESS OF CONCRETE COVER" EAST AFRICAN SCHOLARS JOURNAL OF ENGINEERING AND COMPUTER SCIENCES, VOLUME-3, ISSUE-1, JAN-2020, DOI:10.36349/EASJECS.2020.v03i01.02
26. WERDINA, GHASSAN M; AZIZ, OMAR Q "INTERACTION BETWEEN THE LOCAL AND GENERAL ZONE FOR THE POST-TENSIONED GIRDER ANCHORAGE ZONE" THE OPEN CIVIL ENGINEERING JOURNAL, VOL.15, No.1, 2021
27. Alan S. Habib, Omar Q. Aziz" The Ultimate Capacity of Post-Tensioned Segmental Box Girder Bridges with Different Lengths of Segments: An Experimental Study" Journal of Hunan University (Natural Sciences), Vol. 48 No. 12 Vol. 48 No. 12

National journals

- 1- Mereen H.F. and Omer Qarani A. "Prediction of Deflection of Reinforced Concrete T-Beams with Steel Fibers" Zanco Journal, University of Salahaddin, Erbil, Vol., No. 1, 1995, PP. 17-28.

- 2- Ramzi B. A. and Omer Qarani "Effect of Location of Steel Fibers on The Flexural Behavior of Reinforced Concrete T-Beams" Engineering and Technology Magazine, University of Technology Vol. 5, No. 1,2,1996 Baghdad, Iraq, Pp. 26-40.
- 3- Omer Qarani and Mereen H. "Toughness Index of Conventionally Reinforced Concrete Beams with Steel Fibers "Zanco Journal University of Salahaddin-Erbil, Vol. 9, No. 1, 1997, PP. 25-49.
- 4- Omer Qarani and Jalal A. "Toughness Fibrous Concrete Beams with Notches Zanco Journal, University of Salahaddin-Erbil, Vol. 10, No. 2,1998, PP. 31-44.
- 5- Mereen H. and Omer Qarani "Punching Shear Strength of Fibrous Concrete Slabs" Zanco Magazine, Special Volume for Papers of The Abolished Journal of Education College, University of Salahaddin-Erbil, 1999, PP. 101-111.
- 6- Ramzi B. and Omer Qarani "Shear Strength Prediction of Crushed Stone Concrete from Direct Shear Specimens" Engineering and Technology Journal, University of Technology, Baghdad, Vol. 19, No. 4, 2000.
- 7- Omer Qarani and Ahmed H. "Ductility Ratio and Toughness Index of Reinforced Concrete Slabs" Zanco Journal, University of Sulaimani, Vol.5, No.2, pp. 1-8, 2002.
- 8- Ramzi B. and Omer Qarani "Prediction of Strength Properties of Crushed Stone aggregate Concrete" Engineering and Technology, Journal, University of Technology, Baghdad, Vol. 20, No. 1, PP. 122-154, 2001.
- 9- Ramzi B. and Omer Qarani" Stress. Strain Curves of Fibrous Concrete in Compression" Zanco Journal, University of Sulaimani 2001.
- 10- Ali R., Ahmed H. and Omer Qarani," Size Effect on Shear Failure of high strength reinforced concrete Corbels without Stirrups" Zanco, Journal of pure and applied science, Salahhdin University, Vol. 16, No.1, pp.5-16, 2004.
- 11- Ahmed H., Ali R., and Omer Qarani" Repairing of Damaged Reinforced Concrete Corbels by Externally bonded Steel Plates" Zanco, Journal of pure and applied science, Salahhdin University, Vol. 16, No.1, pp.17-25, 2004.
- 12- Omer Qarani "Shear Strength Behavior of High Strength Fibrous R.C. Deep Beams with Stirrups" Journal of Engineering Technology, Baghdad, Vol24, No.5, 2005.
- 13- Omer Qarani, Ali R. and Payman H." Effect of Re-vibration Time and Steel Fiber Content on the Properties of Crushed Cement-Sand Mortar Concrete" Journal of Al- Rafidain, University of Mosul, 2005.
- 14- Omar Qarani and Bayan A." Punching shear strength of high strength reinforced concrete flat-plate slabs" Journal of Zanco, Salahhdin University, Vol.18, No.1, pp. 21-32, 2006.
- 15- Omar Qarani and Farhad R." Behavior of high strength concrete L- Beams under combined bending and shear" Journal of Engineering Technology, Baghdad, Vol.25, No.1, 2006.
- 16- Omar Qarani and Farhad R." Bending, Shear and torsional Strength of HSC L shape Beams" Journal of Al- Rafidain, University of Mosul, 2006.
- 17- Omar Qarani and Zrar S." Prediction of shear strength of reinforced high strength concrete corbels" Zanco, Journal of pure and applied science, Salahhdin University, Vol.21, No.2, pp. 2009.
- 18- Omar Qarani and Hemn Qader" Punching shear strength and behaviour of high strength concrete Flat slabs" Zanco, Journal of pure and applied science, Salahhdin University, Vol.21, No.4, pp.31-48, 2009.

- 19- Omar Qarani and Zrar S." ULTIMATE SHEAR STRENGTH OF REINFORCED HIGH STRENGTH CONCRETE CORBELS SUBJECTED TO VERTICAL LOAD" Journal of Al- Rafidain, University of Mosul, Vol.18, No.1, 2010.
- 20- Ghafur A. and Omar Qarani" Punching Shear Strength of Concrete Flat Plates During (1906-2009), Review and Analysis" Journal of Zanko, Salahhdin University, Vol.23, No.2, 2011.
- 21- Omar Qarani and Sinan Abdulkhaliq "Optimum position of shear reinforcement of high strength reinforced concrete beams" Journal of Engineering Technology, University of Technology, Baghdad, Vol.32, No.1, 2013.
- 22- Omar Qarani and Sinan Abdulkhaliq" Effect of Type and Position of Shear Reinforcement of High-Strength Reinforced Concrete Deep Beams" Journal of Al-Rafidain, University of Mosul, Vol.21, No.3, 2013.
- 23- Omar Qarani Aziz" Shear Strength and Behavior of Ultra High Performance R.C. Deep Beams with Stirrups by Neural Networks" Zanko, Journal of pure and applied science, Salahhdin University, Vol.26, No.2, 2014.
- 24- Omar Qarani Qziz and Muhsin Khalid Khdir" The flexural behavior of Ultra-High Performance Reinforced Concrete Beams" Zanko, Journal of pure and applied science, Salahhdin University, Vol.28, No.2, 2016.
- 25- Omar Qarani Aziz, Mohammad Ali Ihsan and Sinan Abdulkhaliq " Shear Strength Comparison of High Performance Reinforced Concrete Deep Beams without Stirrups Between ANSYS vs Experimental Work " Zanko, Journal of pure and applied science, Salahhdin University, Vol.30, N0.1, pp.73-84, 2018.
- 26- Ghassan Kaka and Omar Qarani" ANCHORAGE ZONE STRESSES MODEL OF INTERIOR DAIPHFRAGM SEGMENTAL BOX GIRDER BRIDGE" Polytechnic Journal, Erbil Polytechnic University, Vol.9, No.2, 2019.
- 27- Imad Rashed and Omar Qarani" Evaluation of Mix Proportions and Mechanical Properties of Normal and High Strength Fibers Concrete" Polytechnic Journal, Erbil Polytechnic University, Vol.9, No.2, 2019.

Books

1. Omar Qarani "Design of Reinforced Concrete Members by Different Codes of Practice" 2010, Zanko, Erbil Iraq.

Published papers in conferences:

- 1- Ramzi B. and Omer Qarani "Cracking Behavior of Reinforced Concrete T-Beams" Fourth International Conference on Concrete Technology in Developing Countries, 7-8 November 1996, Organized by Middle- East Technology University, Turkey, Pp. 610-621.
- 2- Omer Qarani "Prediction Bond Strength of Fibrous Concrete" Third Scientific Conference of University of Salahaddin – Erbil, 3-4 June 1997, Erbil, Proceeding of Zanco Journal, Special Issue (2), Pp.135-152.
- 3- Omer Qarani "Effect of Re-vibration Time and High Temperature on the High Strength Fibrous Concrete Properties" First scientific Conference of Duhok University, 27-29 April, Duhok, vol. 2. No. 5, pp.693-701, 1999.

- 4- Omer Qarani "Cost Comparison of High Strength Concrete in Structural Members" First scientific Conference of Duhok University, 27-29 April, Duhok, vol. 2. No. 5, 1999.
- 5- Omer Qarani "Shear Strength Behavior of Crushed Stone Reinforced Concrete Corbels" 26th conference on our world in concrete and structures, Singapore, 2001
- 6- Omar Qarani and Farhad R." Mechanical properties of high strength concrete" Fourth International scientific conference of Salahaddin University-Erbil, 18-20 Oct. 2011, Vol.2 of 4, pp.420-425.
- 7- Omar Qarani and Ramzi Bahnam" Shear Strength Prediction of Crushed Stone R.C. Deep With Stirrups", Fourth International scientific conference of Salahaddin University-Erbil, 18-20 Oct. 2011, Vol.2 of 4, pp.435-444.
- 8- Omar Qarani and Ghafur A. "Mechanical Properties of Ultra High-Performance Concrete (UHPC)" Twelfth International Conference on Recent Advances in Concrete Technology and Sustainability Issues, Prague, Czech Republic, Nov. 2012.
- 9- Omar Qarani and Msheer Hassan " Shear Strength Prediction of Ultra-High Performance Reinforced Concrete Deep Beams (UHPRCDB) Without Shear reinforcement by ANSYS®-11 " The Second Australasia and South East Asia Conference in Structural Engineering and Construction Conference (ASEA-SEC-2)<http://www.isec-society2.org/abstractsAndPapers2/?request=paperWorkspace>
- 10- Omar Qarani and Ghafur A. " PUNCHING SHEAR STRENGTH AND BEHAVIOR OF UHPC FLAT PLATE SLABS" International Conference on Recent Advances in Concrete Technology and Sustainability Issues, Ottawa, Canada, July 14-17, 2015
- 11- Omar Qarani Aziz" Experimental Investigation on Shear Strength of High Performance Reinforced Concrete Deep Beams with Stirrups" SECOND INTERNATIONAL CONFERENCE on ECOLOGY, ENVIRONMENT and ENERGY, ISHIK UNIVERSITY, ERBIL 11 April, 2015.
- 12- Karim, F. R., Abu Bakar, B. H., Kok Keong, C., and Aziz, O. Q. (2016). Contribution of Concrete Cover to Enhance Torsional Resistance of Under-reinforced Fibrous High Strength Concrete Beams. Paper presented at the 2nd International Conference on Advances in Civil, Architecture and Environmental Engineering (ICCAEE), Kuala Lumpur.
- 13- Karim, F. R., Abu Bakar, B. H., Kok Keong, C., and Aziz, O. Q. (2017). Improvement of torsional resistance from bond strength and reinforcement indexes in fibrous normal strength concrete beams. Paper presented at the International Conference on Global Network for Innovative Technology (IGNITE) and AWAM International Conference in Civil Engineering (AICCE), Penang, Malaysia.
- 14- Karim, F. R., Abu Bakar, B. H., Kok Keong, C., and Aziz, O. Q. (2017). Effect of the tension stiffening index on UHPC beams under torsion. Paper presented at the 4th International Conference on Advances in Civil, Architectural and Environmental Engineering (ICCAEE) ICONTES, Kuala Lumpur, Malaysia.
- 15- Karim, F. R., Abu Bakar, B. H., Kok Keong, C., and Aziz, O. Q. (2018). Influence of Double Idealized Shear Flow Zones on the Torsional Resistance in UHPFRC beams. Paper presented at the 6th

- International Conference on Advances in Civil, Architectural and Environmental Engineering (ICCAEE) ICONTES, Kuala Lumpur, Malaysia.
- 16- Omer Qarani and Imad Rashid" Effect of Concrete Compressive Strength on the Flexural Design, Shear Thickness and Cost of Reinforced Concrete Shear Walls " registered to [International Conference on Recent Trends in Engineering & Sciences](#) (ICRTES) 20 Feb. 2018, India and accepted for publication in ijet journal.
- 17- Karim, F.R.1, Abu Bakar, B.H. Kok Keong, Choong³ and Aziz, O.Q. "Improvement of Torsional Resistance from Bond Strength and Reinforcement Indexes in Fibrous Normal Strength Concrete Beams" *Proceedings of the International Conference of Global Network for Innovative Technology and AWAM International Conference in Civil Engineering (IGNITE-AICCE'17)*, AIP Conf. Proc. 1892, 020011-1–020011-9; <https://doi.org/10.1063/1.5005642>.

Conferences and courses attended

1. Fourth International Conference on Concrete Technology in Developing Countries, 7-8 November 1996, Organized by Middle- East Technology University, Turkey.
2. Third Scientific Conference of University of Salahaddin – Erbil, 3-4 June 1997.
3. First scientific Conference of Duhok University, 27-29 April, Duhok, 1999.
4. 26th conference on our world in concrete and structures, Singapore, 2001.
5. Fourth International scientific conference of Salahaddin University-Erbil, 18-20 Oct. 2011.
6. Twelfth International Conference on Recent Advances in Concrete Technology and Sustainability Issues, Prague, Czech Republic, Nov. 2012.
7. The Second Australasia and South East Asia Conference in Structural Engineering and Construction Conference (ASEA-SEC-2)<http://www.isec-society2.org/abstractsAndPapers2/?request=paperWorkspace>
8. International Conference on Recent Advances in Concrete Technology and Sustainability Issues, Ottawa, Canada, July 14-17, 2015
9. SECOND INTERNATIONAL CONFERENCE on ECOLOGY, ENVIRONMENT and ENERGY, ISHIK UNIVERSITY, ERBIL 11 April, 2015.
10. Co-Chair of the First International Conference on Engineering and Innovative Technology (SU-ICEIT2016)
11. 2nd International Conference on Advances in Civil, Architecture and Environmental Engineering (ICCAEE), Kuala Lumpur, 2016.

12. International Conference on Global Network for Innovative Technology (IGNITE) and AWAM International Conference in Civil Engineering (AICCE), Penang, Malaysia, 2017.
13. 4th International Conference on Advances in Civil, Architectural and Environmental Engineering (ICCAEE) ICONTES, Kuala Lumpur, Malaysia, 2017.
14. 6th International Conference on Advances in Civil, Architectural and Environmental Engineering (ICCAEE) ICONTES, Kuala Lumpur, Malaysia, 2018.
15. International Conference on Recent Trends in Engineering & Sciences (ICRTES) 20 Feb. 2018, India.
16. *International Conference of Global Network for Innovative Technology and AWAM International Conference in Civil Engineering (IGNITE-AICCE'17)*, AIP Conf. Proc. 1892, 020011-1–020011-9; <https://doi.org/10.1063/1.5005642>.

Funding and academic awards

Professional memberships

- Iraqi Engineers Union.
- Kurdistan Engineers Union.
- Kurdistan Teachers Union.
- Member of ACI

Professional Social Network Accounts:

- Google scholar; <https://scholar.google.com/citations?user=6VBPuRQAAAAJ&hl=en>
- Research gate; <https://www.researchgate.net/profile/Omar-Aziz-7/unconfirmed?acceptedAuthorUId=2089549351>
- Linked-in; <https://www.linkedin.com/in/omar-qarani-aziz-49646bba/>
- <https://app.su.edu.krd/Home/>
- <https://orcid.org/0000-0002-6689-8146>

Omar Qarani Aziz was born in Erbil (Iraq) in 1967. He received the B.Sc. degree in civil Engineering from the University of Salahaddin (Erbil) in 1990, M.Sc. and Ph.D. degree in Structural Engineering from the University of Technology (Baghdad) in 1993 and 1997 respectively.

He is a faculty member in the Department of Civil Engineering, Salahaddin University since 1993. He is currently Professor in Civil Engineering Department, teaching Design of Reinforced Concrete Structures, author of more than 80 peer-reviewed publications. His research interests include the area of Deep beams, Corbels, fiber concrete, shear of high and ultra-high-performance concrete beams and slabs, punching shear strength of flat plate and flat slabs, prestressed concrete bridges and post tensioned box girder bridges. He was Head of Architectural department, Engineering College, 2005-2006, Head (Manager) of Building Directorate of University of Salahaddin, 2004-2005, Member of the committee of Salahaddin new Campus 2002-2009, Head of the committee of Soran University Campus, 2007-2009, Head and member for different teams and committees in College of Engineering and University of Salahaddin, Head of the committee for tendering and tender document for projects of Salahaddin University, 2000-2005. Member of postgraduate committee in civil engineering department, Member of editorial board of Journal of Pure and Applied Science, Salahaddin University, 2009 to 2012, Head of the committee for upgrading (Promotion) of staffs in College of Eng., Salahaddin University, 2011-2015, Co-Chair of the First International Conference on Engineering and Innovative Technology (SU-ICEIT2016), Member of the ACI, President of ACI Iraq chapter for 2017, Board of Directors and founder member of ACI Iraqi chapter in 2014, President of ACI Kurdistan chapter(2021 and 2022), Member of editorial board of several international engineering journals, such as Caspian Journal of Applied Science research(CJASR), Journal of Civil Engineering, Journal of Civil Engineering and Architecture, EASR,...etc. Peer reviewer of several scientific journals and publishing center such ACI, Elsevier, ETASR...etc. Design and Supervising (as a consultant) of different concrete and steel structures (more than 900 projects) such as commercial buildings, hotels, hospitals, shopping centers, concrete dams, Banks, Steel stores, Concrete and steel bridges, education buildings, electrical sub stations, part of cement and steel factories...etc. Supervising Nine MSc and six PhD Thesis in Structural Engineering, Shared more than twenty conferences and symposiums in different universities and countries.