



Curriculum Vitae

Associate Professor Dr. Layth A. Al-Jaberi

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PERSONAL SUMMARY:

- Academic in Civil Engineering-Building materials, engineering experience in field consultant, supervision, construction management, project management and design, including over 20 years of direct supervision of field crews and technical departments. Associate Professor at Civil Engineering Department/ Faculty of Engineering / Mstansiriyah University. Chairman of Baghdad Branch of Iraqi Academic syndicate. Member of Iraqi Engineers Union with Consultant Degree. Member of Iraqi Society of Engineers. Publons Academy graduate. RILEM Senior Member, International Union of Laboratories and Experts in Construction Materials, Systems and Structures (Rilem). Duly elected as Associate Member at the South African Institution of Civil Engineering (SAICE). Elected and admitted as a MICT at the Institute of Concrete Technology (c/o The Concrete Society) UK. A member of RILEM Technical Committees: 282-CCL (Calcined Clays as Supplementary Cementitious Materials), DOC (Degradation of organic coating materials and its relation to concrete durability), MCC (Mechanical Characterization and Structural design of Textile Reinforced Concrete) and (292-MCC) Mechanical Characterization and Structural design of Textile Reinforced Concrete. Member of the editorial board of Journal of Engineering and Sustainable Development and Academic J. for Engineering and Science.

EDUCATION:

- Ph.D. #1: P.hD., Civil Engineering Materials, Baghdad University, Baghdad, Iraq , 2012.
- M.Sc. #2: MSc., Civil Engineering Materials, June 2005, Al-Mustansirya University, Baghdad, Iraq
- B.Sc. #3: B.Sc., Civil Engineering, June 1987, Military Engineering College, Baghdad, Iraq

ACADEMIC / TEACHING EXPERIENCE

- #1: Chairman of Civil Engineering Department\ Mstansiriyah University\Faculty of Engineering from Sep. 2012 to May 2015
- #2: Member of Faculty Board, Head of Department Board, Head of Scientific Committee, Head of Exams Committee, from Sep. 2012 to May 2015.
- #3: Member of requested committees.

Courses Taught:

Under graduate	Graduate
<ul style="list-style-type: none"> • Building Materials-Practical\ 1st Class • Building Materials-Theoretical\ 1st Class 	<ul style="list-style-type: none"> • Advanced Concrete Technology. • Technology of Composed Materials.

- Concrete Technology-Practical\ 2nd Class
- Concrete Technology-Theoretical\ 2nd Class
- Engineering Statistical- Theoretical\ 1st Class
- Engineering Analysis- Theoretical\ 3rd Class
- Labs with a team of 4 teaching assistants\ 2nd Class

- English Language.

MASTERS STUDENTS ADVISED:

- 1- Aya Haqi Ismael, "Experimental Study on Structural Behavior of Thin Wall Concrete Panels Subjected to Axial Eccentric Uniformly Distributed Loading", 2015.
- 2- Nadiyah Kherallah Abd, "Structural Behavior of Reactive Powder Concrete Domes", 2016.
- 3- Hayam Yousuf T. AL-Hamdani, "Shear Strength of Lightweight Modified Reactive Powder Reinforced Concrete Beams", 2018.
- 4- Sahar Jabbar M. AL-Serai, "Structural Behavior of Fiber Reinforced Geopolymer Concrete Wall Panels", 2019.
- 5- Saba Salih Hasan, "High Strength Reinforced Concrete T- Beam with Web Opening under Torsion Moment", 2019.
- 6- Zainab Adel, "Structural Behavior of Fiber Reinforced Geopolymer Concrete Beams under Static and Monotonic Loading", 2020.

PROFESSIONAL AFFILIATIONS:

- Corporate Member (MICT) of the Institute of Concrete Technology (UK).
- Associate Member (AMSAICE) at the South African Institution of Civil Engineering (SAICE).
- RILEM Senior Member, International Union of Laboratories and Experts in Construction Materials, Systems and Structures (Rilem).
- Chairman of Baghdad Branch of Iraqi Academic syndicate.
- Member of Iraqi Engineers Union with Consultant Degree
- Member of Iraqi Society of Engineers

MEMBERSHIP OF THE EDITORIAL BOARDS OF SCIENTIFIC JOURNALS

- Member of the editorial board of Journal of Engineering and Sustainable Development.
- Member of the editorial board of Journal of Academic J. for Engineering and Science.

MEMBERSHIP OF THE SCIENTIFIC COMMITTEES

- Member of the scientific committee of the Civil Engineering Department, 2020.
- Member of the higher studies committee of the Civil Engineering Department, 2021.
- Member of the scientific committee the 2nd International Conference in Physical Science &Advanced Materials" October 23 – 25 October 2020 Istanbul /Turkey.
- Member of the scientific committee the 3rd International Conference in Physical Science &Advanced Materials" October 24 – 28 September 2021 Istanbul /Turkey.

- Member of the scientific committee the 3rd International Conference in Physical Science &Advanced Materials” October 24 – 28 September 2021 Istanbul /Turkey.
- Member of the scientific committee of the Iraqi Academics Syndicate 2nd International Conference for Pure and Applied Sciences, IICPS_2021.
- Member of the scientific committee of the International Conference on Good Governance, August 2021.
- RILEM Technical Committee 282-CCL member.
- RILEM DOC : Degradation of organic coating materials and its relation to concrete durability member.
- Structural Division member at the South African Institution of Civil Engineering (SAICE).
- Member of the Rilem committee 292-MCC : Mechanical Characterization and Structural design of Textile Reinforced Concrete.

CONFERENCE, SEMINAR OR WORKSHOP:

- 1st International Conference on Engineering and Advanced Technology (ICEAT) 11-12 February 2020, Assiut, Egypt.
- Scientific Committee member, the 2nd International Conference in Physical Science &Advanced Materials” October 23 – 25 October 2020 Istanbul /Turkey.
- Online Workshop on Resilience of Concrete Construction, Indian Institute of Technology Madras, Chennai, India, 2020.
- Workshops on Iraqi Codes, Ministry of Rebuilding and Housing, 2014.
- Fortified structures design seminars, university of Baghdad, Baghdad, Iraq, 1988.
- Project management seminars included but not limited to contracting, accounting, stores administration, planning and funds estimating for future projects. Aug 1988, Military Academy, Iraq.
- Engineering technical seminars for refrigerating, air conditioning, electric power distribution, properties of bituminous mix and concrete technology, Mar 1989, Baghdad University, Baghdad, Iraq.
- Leadership, contracting conditions, engineering management seminars, June 1997. Military Academy, Iraq.
- Computer Skills Seminar, March 1998, National Computer Center, Baghdad, Iraq
- Structural design by computer Seminar, April 2001, Engineering Union, Baghdad, Iraq
- Structural Design Seminar, July 2002, Technology University, Baghdad, Iraq.
- Three Phases Construction Control, April 2005, Parsons, Iraq Reconstruction, Building, Health and Education Sectors.
- The 6th Engineering Conference College Of Engineering-University of Baghdad, 5-7 April 2009
- The Engineering Conference College of Engineering- Mstansiriyah University, 2013.
- International Conference for Engineering Sciences, College of Engineering- Mstansiriyah University, 2014.
- The 2nd International Conference of Buildings, Construction and Environmental Engineering (BCEE2-2015).
- 1st International Conference on Engineering and Advanced Technology, Egypt, 2020.

PUBLICATIONS:

1. The Influences of the Mineral Admixtures and Steel Fibers on the Fresh and Hardened Properties of SCC (MSc Thesis) College of Engineering -Mstansiriyah University (2005).
2. Al-Jaberi, L.A., and Al-Jelawi, N.M. (2009). "Effect of Sand Ratio on the Fresh Properties of Self Compacting Concrete." THE 6TH ENGINEERING CONFERENCE College of Engineering University of Baghdad Baghdad Iraq, College of Engineering University of Baghdad, Baghdad, p. 454–460.
3. Predicting and Measuring the Rheological Properties and Strength of Self Compacting Concrete, (PhD Thesis) College of Engineering University of Baghdad (2012).
4. Al-Jaberi, L.A., and Asmaa Mahdi Ali (2014). Evaluation of Compressive Strength by Non-Destructive Test Using Ultrasonic Pulse Velocity With Maximum Size Aggregate (10 And 20)mm: Journal of Engineering and Development, Vol. 18, No. 3, pp. 208–222.
5. Al-Jaberi, L.A., Suhili, R. al, and Nada Aljalawi (2014). "PREDICTING RHEOLOGICAL PROPERTIES AND COMPRESSIVE STRENGTH OF SELF COMPACTING CONCRETE USING ARTIFICIAL NEURAL NETWORK." The first international engineering conference, College of Engineering, Al-Mustansiriya University, Baghdad-Iraq, 2014, College of Engineering, Al-Mustansiriya University.
6. Al-Jabri, L.A., Hashem Shaker, R., and Mahdi Fawzi, N. (2014). Fabricating a new Rheometer for Concrete: Journal of Engineering, Vol. 20, No. 5, pp. 1–24.
7. Al-Jaberi, L.A. (2015). "The Influence of Coarse Aggregate Size, Type and Content on the Mechanical Properties of Modified Reactive Powder Concrete." The 2nd International Conference of Buildings, Construction and Environmental Engineering (BCEE2-2015),, p. 143–147.
8. Wissam Kadum Al-Saraj, Nagham Tarq. H. Al-Shafi'l, and Layth A. Al-Jaberi (2015). Strengthening the Region of Intermediate Support of Continuous Reinforced High-Strength Concrete Slabs with New Cement | Al-Saraj | Civil and Environmental Research: Civil and Environmental Research, Vol. 7, No. 12, pp. 14–20.
9. Al-Jaberi, L., Zinah Waleed Abbas, and Esraa Kamal Jaffar (2016). EFFECT OF VOLUME OF PUNCHING SHEAR BEHAV: Journal of Engineering and Development, Vol. 20, No. 2, pp. 24–38.
10. Mosa, A.M., Taher, A.H., and Al-Jaberi, L.A. (2017). Improvement of poor subgrade soils using cement kiln dust: Case Studies in Construction Materials, Vol. 7, pp. 138–143, DOI: 10.1016/j.cscm.2017.06.005.
11. Khalaf Mohaisen, S., Al-Jaberi, L.A., and Haqi Ismael, A. (2017). EXPERIMENTAL STUDY ON STRUCTURAL BEHAVIOR OF THIN WALL CONCRETE PANELS SUBJECTED TO AXIAL ECCENTRIC

- UNIFORMLY DISTRIBUTED LOADING: Journal of Engineering and Sustainable Development, Vol. 21, No. 01.
12. Rasheed, M.M., Al-Jaberi, L.A., and Kherallah Abd, N. (2017). EXPERIMENTAL BEHAVIOR OF RPC HEMISPHERICAL DOMES UNDER CONCENTRATED LOAD AND SITTING ON FOUR SUPPORTS: Journal of Engineering and Sustainable Development, Vol. 21, No. 4, pp. 134–146.
 13. Al-Jaberi, L.A. (2018). View of Effect of Grinded of Debris of Concrete on the Compressive Strength of Reactive Powder Concrete: Journal of University of Babylon for Engineering Sciences, Vol. 26, No. 8, pp. 218–227.
 14. Al-Jaberi, L.A., Waryosha, W.A., and Abbasb, Z.W. (2018). Effects of Mineral Admixtures on the Mechanical Properties of Self Compacting Concrete: International Journal of Engineering & Technology, Vol. 7, No. 3.20, pp. 892–899, DOI: 10.14419/ijet.v7i3.20.28412.
 15. Al-Saraj, W.K., Al-Jaberi, L.A., and J. AL-Serai, S. (2018). Carbon Fiber Strengthening of Geopolymer Concrete Wall Panels with Iron Fillings: International Journal of Engineering & Technology, Vol. 7, No. 4.20, p. 399, DOI: 10.14419/ijet.v7i4.20.26142.
 16. Hasan Taher, A., Al-Jaberi, L.A., and Mosa, A.M. (2018). ARTIFICIAL NEURAL NETWORK FOR MIX PROPORTIONING OPTIMIZATION OF REACTIVE POWDER CONCRETE: Journal of Theoretical and Applied Information Technology, Vol. 15, No. 23.
 17. Mohammed Rasheed, M., Abdulbari Al-Jaberi, L., and Kherallah Abd, N. (2018). EFFECT OF STEEL FIBERS RATIO ON THE STRUCTURAL BEHAVIOR OF DOMES: Journal of Engineering and Sustainable Development, Vol. 22, No. 05, DOI: 10.31272/jeasd.2018.5.9.
 18. Mohaisen, D.S.K., Al-Jaberi, L.A., and Ismael, A.H. (2018). STRUCTURAL BEHAVIOR OF THIN RPC WALL PANELS WITH VARYING STEEL REINFORCEMENT AND ASPECT RATIO SUBJECTED TO AXIAL ECCENTRIC UNIFORMLY DISTRIBUTED LOADING: JOURNAL OF ENGINEERING AND SUSTAINABLE DEVELOPMENT; Vol 22 No 4 (2018): Journal of engineering and sustainable development,.
 19. Al-Jaberi, L.A. (2019). Effects of Chemical Admixtures on the Rheological, Fresh and Hardened Properties of Self-Compacting Concrete: Academic J. for Engineering and Science, Vol. 1, No. 1, pp. 19–25.
 20. Kadhim AlsaraJ, W., Abedalbari Aljaberi, L., and Yousuf Alhamdani, H. (2019). MECHANICAL PROPERTIES OF MRP LIGHTWEIGHT CONCRETE AND EFFECT OF COMPRESSIVE STRENGTH ON SHEAR CAPACITY OF BEAMS: Journal of Engineering and Sustainable Development, Vol. 23, No. 04, DOI: 10.31272/jeasd.23.4.10.

21. Kadhim AlSaraj, W., Abedalbari AlJaberi, L., and Yousuf Alhamdani, H. (2019). SHEAR RESISTANCE OF MRPC LIGHTWEIGHT CONCRETE BEAMS WITHOUT STIRRUPS: Journal of Engineering and Sustainable Development, Vol. 23, No. 05, DOI: 10.31272/jeasd.23.5.1.
22. Al-Jaberi, L.A. (2020). Effects of Water-Powder Ratio and SP Dosage on the Rheological Properties and Compressive Strength of SCC: Academic J. for Engineering and Science, Vol. 1, No. 1, pp. 17–26.
23. Jabbar Alserai, S., Kadhim Alsaraj, W., and Abdulbari Aljaberi, L. (2020). BEARING LOAD CAPACITY of GEOPOLYMER CONCRETE THIN WALL PANELS UNDER ECCENTRIC COMPRESSION: Journal of Engineering and Sustainable Development, Vol. 24, No. 01, DOI: 10.31272/jeasd.24.1.1.
24. Al-Kerttani OM, Al-Taai SR, Al-Jaberi LA (2020) Enhancement the Mechanical Properties of Concrete by using Special Types of Meshes. In: 1st International Conference on Engineering and Advanced Technology (ICEAT) 11-12 February 2020, Assiut, Egypt. IOP science, p 12
25. Abdulrahman MB, Al-Jaberi LA, Hasan SS. (2020), The Effect of Opening Size and Location on the Performance of Reinforced Concrete T-Beams under Pure Torque, Tikrit Journal of Engineering Sciences 2020; 27(2): 46-53.
26. Zainab A. Mohammed, Layth A. Al-Jaberi, Arshad N. Shubber; Effect of polypropylene fiber on properties of Geopolymer concrete based Metakolin, Journal of Engineering and Sustainable Development 25 (2), 58-67 (2021).
27. Layth A. Al-Jaberi, Abbasb, Z.W.; Mix Design Methods of Self Compacting Concrete: A Review, Academic J. for Engineering and Science, Vol. 3, No. 1, pp. 26–36.

PEER-REVIEWED ARTICLES FOR:

- KSCE Journal of Civil Engineering.
- Asian Journal of Civil Engineering.
- Journal of Engineering and Sustainable Development.
- Al-Khwarizmi Engineering Journal.
- Engineering and Technology Journal.
- Tikrit Journal of Engineering Sciences.
- Al-Muhandis Journal (JMISE).
- The 4th International Conference on Buildings, Construction and Environmental Engineering – Istanbul – Turkey.

- Babylon International Conference For Engineering And Information Technology (BICEIT2018).
- 3rd International Conference on Recent Innovations in Engineering (ICRIE2020).
- 1st International Conference for Civil Engineering Sciences/ ICCES-2018 University of Al-Qadisiyah/College of Engineering.
- The 2nd International Conference in Physical Science &Advanced Materials” October 23 – 25 October 2020 Istanbul /Turkey.

OTHER EXPERIENCE:

- 1996 - 2003 **Computer Department Manager** in Air-Force works institute. Responsible for maintenance of software and hardware, creating and improving computer data base programs and development of staff abilities utilizing various training programs including individual training, courses and seminars.
- 1998 - 2005 **Computer Training Company:** Founded and operated private computer training business and developed program training modules for Windows, Word, Excel, Access, Power Point, Outlook, AutoCAD, structural design programs, and 3-D studio.

LANGUAGES:

Arabic: Native Language

English: Intermediate Listener, Novice Speaker, Advanced Reading and Writing