

# Ahmed A. Ahmed, DOCTOR OF PHILOSOPHY

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RG Score 4.44  
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LinkedIn



ResearchGate



Google Scholar



ORCID



Web of Science Researcher ID: AAN-1800-2020

## Research Excellence

- New and advanced infrastructure materials
- Durability of engineering materials
- Infrastructure sustainability
- Green Building materials
- Material Characterization
- Carbonation assessment
- Microstructure analysis
- Evaluation of concrete deterioration processes and mechanism

## Experience

- 2012 – current: Faculty member at Civil Engineering Department, College of Engineering, University of Mustansiriyah, Baghdad, Iraq
- 2019 – 2020: Head of training and development unit – Continuing Education Branch - College of Engineering, University of Mustansiriyah, Baghdad, Iraq
- 2014 – current: American Concrete Institute associate member (# 1323118)
- 2014 – 2020: American Society of Civil Engineers member – State of Oregon Section (# 000011807154)
- 2012 – current: Iraqi Engineers Union member (# 128491)
- 2012 – current: Iraqi Teachers Union member (# 147031)
- 2007 – 2008: Project Engineer: Engineering Affairs Department, Projects Division, Resident Engineer Unit, ETIHAD group of companies, Baghdad, Iraq
- 2005 – 2006: Intern at Planning and Development Department, General Directorate of Baghdad Electricity Distribution, Ministry of Electricity, Baghdad, Iraq.

## Higher Education

- 2018: Ph.D. in Infrastructure Materials, Oregon State University, USA.
- 2018: Graduate Certificate in College and University Teaching Candidate, Oregon State University, USA.
- 2017: Ph.D. minor in Statistics, Oregon State University, USA.
- 2010: M.Eng. in Structural Engineering, National University of Malaysia (UKM), Malaysia.
- 2007: B.Sc. in Building Engineering and Construction Management. The University of Technology, Baghdad, Iraq.



## Taught Courses

- **CE 50601203:** Concrete Technology I – 2<sup>nd</sup> year undergraduate students, Civil Engineering Department, College of Engineering, University of Mustansiriyah, Baghdad, Iraq
- **CE 50601212:** Concrete Technology II – 2<sup>nd</sup> year undergraduate students, Civil Engineering Department, College of Engineering, University of Mustansiriyah, Baghdad, Iraq
- **CE 50601109:** Building Materials – 1<sup>st</sup> year undergraduate students, Civil Engineering Department, College of Engineering, University of Mustansiriyah, Baghdad, Iraq
- **CE 50601219:** English Communication for Civil Engineers – 2<sup>nd</sup> year undergraduate students, Civil Engineering Department, College of Engineering, University of Mustansiriyah, Baghdad, Iraq

## Publications

- Effect of Carbonation on Release of Admixed Chlorides in Specialty Cement Systems., ACI Journal of Materials, 2021. In peer review
- Reliability of chloride testing results in cementitious systems containing admixed chlorides, Sustainable and Resilient Infrastructure, 2021. Accepted
- Assessing Standard Tests for Admixed Chlorides in CAC and CSA Systems, ACI Materials Journal, Vol. 117, No. 1, January 2020.
- Adopting Auto-titration to Assess Chlorides in Concrete, ACI Journal of Materials, Vol. 116, No. 3, 2019.
- Experimental study of reinforcing steel bars behavior under corrosive conditions, Australian Journal of Basic and Applied Science, 2012, ISSN 1991-8178, accepted for publishing, September Issue.
- Catalytic cracking of heptane using prepared zeolite, Journal of Asian Scientific Research, 2012, ISSN 2223-1331, 2(12):927-948.
- Numerical analysis of the load bearing capacity of pin-ended hybrid headed columns under uniaxial loading, International Journal of the Physical Sciences, 2011, ISSN 1992-1950, Vol.6(16), pp.3951-3959.
- Evaluation of Ultimate Load Capacity for Concrete Encased steel Columns using Finite Element Method, European Journal of Scientific Research, 2011, ISSN 1450-216X, Vol.48 No.3, pp.457-465.
- Bearing capacity investigation of pin-ended composite columns with eccentricity loading using finite element simulation, Far East Journal of Psychology and Business, 2011, ISSN 2221-8017, Vol. 5 No. 1, pp.34-46.

## Workshops, seminars and Conventions

- American Concrete Institute Spring Virtual Convention, March 18, 2020. Detroit, Michigan.
- American Concrete Institute Fall Convention, October 4, 2018. Las Vegas, Nevada.
- American Concrete Institute Fall Convention, October 15, 2017. Anaheim, California.
- American Concrete Institute Fall Convention, November 8, 2015. Denver, Colorado.
- Writing Funding Proposals workshop, Johnson Hall 102, Oregon State University, November 28, 2018.

الإستاذ المساعد الدكتور  
علي جعفر جبار  
معاون العميد  
للشؤون العلمية والدراسات العليا



- Assisted in 2017 OSU Doctoral Short Course on Service Life, College of Engineering, Oregon State University,
- Graduate Research Showcase 2017, Oregon State University Graduate School. Corvallis, Oregon.
- Presentation skills workshops, March 30, April 20 and April 27, 2016. Memorial union. Oregon State University Graduate School. Corvallis, Oregon
- Research Writing Introductions and Research Writing Methods, November 5 and November 19, 2015. Memorial union. Oregon State University Graduate School. Corvallis, Oregon
- Turbocharge your Writing/Communicating the Impact of your Research. Memorial union. Oregon State University Graduate School. April 28, 2015. Corvallis, Oregon
- 7 Steps for Success. Memorial union. Oregon State University Graduate School. April 27, 2015. Corvallis, Oregon
- Feedback: Asking for it; getting it; and responding to it. Memorial union. Oregon State University Graduate School. April 27, 2015. Corvallis. Oregon.
- Make easy in journal writing and publishing workshop, Sultan Abdul Samad library, University Putra Malaysia, September 29-October1, 2010, Residence Hotel, Kajang, Malaysia.
- Teaching Methods Workshop, College of Basic Education, University of Mustansiriyah, June24 – July 7, 2012, Baghdad, Iraq

الإستاذ المساعد الدكتور  
**علي جبار كاظم**  
 معاون العميد  
 للشؤون العلمية والدراسات العليا

Handwritten signature in blue ink.

Red circular stamp with Arabic text: "مركز البحوث والدراسات" (Research and Studies Center).