



Emre Caner Akçay, Ph.D.
Assistant Professor of Civil Engineering

Atılım University
Department of Civil Engineering
06830 İncek, Gölbaşı, Ankara/TURKEY
caner.akcay@atilim.edu.tr
Tel: +90 312 586 87 31

PERSONAL

Date of Birth	04.06.1987
Place of Birth	Malatya/Turkey

EDUCATION

2010-2014	Middle East Technical University, Civil Engineering, Ph.D.
2008-2010	Middle East Technical University, Civil Engineering, M.S.
2004-2008	Middle East Technical University, Civil Engineering, B.S.

ACADEMIC POSITIONS

2020 - ...	Assistant Professor, Department of Civil Engineering, Atılım University, Ankara, Turkey
2017-2020	Postdoctoral Visiting Researcher, Department of Civil Engineering, Middle East Technical University, Ankara, Turkey
2018-2019	Part-Time Faculty Member, Department of Civil Engineering, Hacettepe University, Ankara, Turkey
2015-2017	Postdoctoral Visiting Researcher, Department of Civil, Architectural and Environmental Engineering, Illinois Institute of Technology, Chicago, Illinois, USA
2015-2017	Part-Time Faculty Member, Department of Civil, Architectural and Environmental Engineering, Illinois Institute of Technology, Chicago, Illinois, USA
2014-2015	Part-Time Faculty Member, Department of Civil Engineering, Middle East Technical University, Ankara, Turkey
2014-2015	Part-Time Faculty Member, Department of Civil Engineering, Middle East Technical University (NCC), Cyprus
2008-2014	Research Assistant, Department of Civil Engineering, Middle East Technical University, Ankara, Turkey

RESEARCH INTERESTS

1	Construction engineering and project management
2	Risk assessment and management
3	Renewable Energy
4	Multi-Agent Modelling
5	Building Energy Modelling (BEM)
6	Green Buildings
7	Sustainability
8	Information Technology
9	Contract management

PUBLICATIONS

1	Akcay, E. C., Arditi, D. (2022) "Predicting Employer and Worker Responsibilities in Accidents That Involve Falls in Building Construction Sites", Buildings, 12(4), 464. https://doi.org/10.3390/buildings12040464
2	Trabzonlu, B., Akcay, E. C. (2021) "Exploring Critical Success Factors for Geothermal Investments", Collaboration and Integration in Construction, Engineering, Management and Technology. Advances in Science, Technology & Innovation. Springer, Cham. https://doi.org/10.1007/978-3-030-48465-1_49
3	Akcay, E. C. (2021) "An Analytic Network Process Based Risk Assessment Model for PPP Hydropower Investments", Journal of Civil Engineering and Management 27(4), 268-277. https://doi.org/10.3846/jcem.2021.14650
4	Akcay, E. C. (2021) "Prioritization of risk events in PPP wind power projects using integrated FMEA and Monte Carlo simulation", Journal of Construction Engineering, Management & Innovation, 4(2): 080-091. https://doi.org/10.31462/jcemi.2021.02080091
5	Akcay, E. C. (2020) "Contractor Selection for Green Buildings Using the Analytic Network Process (ANP)", Dicle University Journal of Engineering (DUJE), 11(3):1277-1284. https://doi.org/10.24012/dumf.661711
6	Akcay, E. C., Dikmen, I., Birgonul, M. T., Arditi, D. (2019) "Negotiating the Selling Price of Hydropower Energy Using Multi-Agent Systems in BOT", Journal of Civil Engineering and Management 25(5), 441-450. https://doi.org/10.3846/jcem.2019.9874
7	Akcay, E. C. (2018) "Risk Assessment of Solar Energy Investments", Journal of Construction Engineering, Management & Innovation, 1(4): 171-177. https://doi.org/10.31462/jcemi.2018.04171177

8	Akçay, E. C., Dikmen, I., Birgonul, M. T., Arditi, D. (2017) "Estimating the Profitability of Hydropower Investments with a Case Study from Turkey", Journal of Civil Engineering and Management, 23(8), 1002–1012. https://doi.org/10.3846/13923730.2017.1350877
9	Akçay, E. C., Arditi, D. (2017) "Desired Points at Minimum Cost in the "Optimize Energy Performance" Credit of Leed Certification", Journal of Civil Engineering and Management, 23(6), 796-805. https://doi.org/10.3846/13923730.2017.1319412
10	Akçay, E. C., Ergan, S., Arditi, D. (2017) "Modeling Information Flow in the Supply Chain of Structural Steel Components", Journal of Civil Engineering and Management, 23(6), 753-764. https://doi.org/10.3846/13923730.2017.1281841

PROJECTS

1	"A Method for the Energy and Atmosphere Category of LEED to Provide Maximum Sustainability at Minimum Cost", Researcher, TUBITAK, 2015-2017.
---	--

CONFERENCE PRESENTATIONS

1	Daşkın, H. B., Akçay, E. C. (2022) "Sustainable Material Selection in Construction Projects: A Systematic Review", 19 th International Conference on Computing in Civil & Building Engineering (ICCCBE 2022), 26-28 October, Cape Town, South Africa.
2	Akçay, E. C. (2021) "Assessing Contractor-Related Delay Factors in Construction Projects", ACE 2020-21 14 th International Congress on Advances in Civil Engineering, 6-8 September, Istanbul, Turkey.
3	Akçay, E. C. (2021) "Analysis of Challenges to BIM Adoption in Mega Construction Projects", CCC 2021 Creative Construction e-Conference, 28-30 June, Budapest, Hungary.
4	Akçay, E. C. (2020) "A Methodology to Facilitate PPP Project Selection Decisions", 6 th international Project and Construction Management Conference (IPCMC2020) Istanbul Technical University, 12-14 November 2020, Istanbul, Turkey.
5	Akçay E. C., Ergan S. (2013) "Test Results for Locating Structural Steel Assemblies and Packages using RFID", CIB W78, 30 th International Conference on Applications of IT in the AEC Industry, 9-12 October, Beijing, China.

CITATIONS

Sum of times cited without self-citations (ISI Web of Science):	33
H-index (ISI Web of Science):	3

COURSES GIVEN

1	Project Risk Management (CE 565)
2	Construction Planning and Cost Estimating (CE 525)
3	Construction Scheduling and Cost Control (CE 464)
4	Construction Engineering and Management (CE 430)

THESES SUPERVISED

1	MS Thesis: Risk Assessment in Public-Private Partnership City Hospital Projects, Tuğba Doğan, 2020-2022
---	---