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**Assistant Professor of Civil Engineering**  
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## PERSONAL

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| <b>Date of Birth</b>  | 1986   |
| <b>Place of Birth</b> | Ankara |

## EDUCATION

|           |  |
|-----------|--|
| 2010-2015 | Middle East Technical University, Civil Engineering (Water Resources), Ph.D. |
| 2007-2010 | Middle East Technical University, Civil Engineering (Water Resources), M.Sc. |
| 2003-2007 | Middle East Technical University, Civil Engineering, B.Sc.                   |

## ACADEMIC POSITIONS

|                                     |   |
|-------------------------------------|---|
| <b>March/2019 - Present</b>         | Assistant Professor, Department of Civil Engineering, Atılım University, Turkey                   |
| <b>February/2019 - March/2019</b>   | Adjunct Faculty Member, Department of Civil Engineering, Atılım University, Turkey                |
| <b>February/2017 - January/2019</b> | Adjunct Faculty Member, Department of Civil Engineering, Middle East Technical University, Turkey |
| <b>October/2015 - May/2016</b>      | Adjunct Faculty Member, Department of Civil Engineering, Çankaya University, Turkey               |
| <b>November/2007 - July/2015</b>    | Research Assistant, Department of Civil Engineering, Middle East Technical University, Turkey     |

## RESEARCH INTERESTS

|   |                             |
|---|-----------------------------|
| 1 | Hydrology, Hydraulics       |
| 2 | Water Resources Engineering |
| 3 | Drought, Flood              |
| 4 | Climate Change              |

## PROFESSIONAL SERVICE

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|---|--|
| 1 | <b>Journal Reviewer:</b><br>Acta Geophysica<br>Çankaya University Journal of Science and Engineering<br>Environmental Fluid Mechanics<br>Journal of Engineering Sciences and Design<br>Journal of the Faculty of Engineering and Architecture of Gazi University<br>Marine Georesources and Geotechnology<br>Probabilistic Engineering Mechanics<br>Earth Science Informatics<br>Theoretical and Applied Climatology |
| 2 | <b>Peer Reviewer:</b><br>TÜBİTAK 2221  |

## PUBLICATIONS

|    |  |
|----|--|
| 10 | <b>Yılmaz, M.</b> , Consistency of Spatiotemporal Variability of MODIS and ERA5-Land Surface Warming Trends over Complex Topography, Environmental Science and Pollution Research, <i>under 2<sup>nd</sup> round review</i>        |
| 9  | <b>Yılmaz, M.</b> , Accuracy assessment of temperature trends from ERA5 and ERA5-Land, Science of the Total Environment, 856(Part 2), 159182, 2023.  |
| 8  | Mhmood, H.H., <b>Yılmaz, M.</b> , Sulaiman, S.O., Simulation of the flood wave caused by hypothetical failure of the Haditha Dam, Journal of Applied Water Engineering and Research, 11(1), 66-76, 2023.                           |
| 7  | <b>Yılmaz, M.</b> , Türkiye üzerinde ERA5 saatlik hava sıcaklığı verilerinin doğruluğunun değerlendirilmesi, Doğal Afetler ve Çevre Dergisi, 8(2), 207-220, 2022, (in Turkish).  |
| 6  | <b>Yılmaz, M.</b> , Çalamak, M., Yanmaz, A.M., Reliability-based evaluation of scouring around dual bridge piers, Gradevinar, 71(9), 739-747, 2019.  |
| 5  | <b>Yılmaz, M.</b> , Yanmaz, A.M., Köken, M., Time-evolution of clear water scouring at dual bridge piers, Teknik Dergi, 29(1), 8167-8184, 2018, (in Turkish).  |
| 4  | <b>Yılmaz, M.</b> , Amjad, M., Bulut, B., Yılmaz M.T., Investigation of the dependence of satellite-based precipitation estimate errors to distance from the coastline, Teknik Dergi. 28(3), 7993-8005, 2017, (in Turkish).        |
| 3  | <b>Yılmaz, M.</b> , Drought analysis of Konya Closed Basin with the use of TMPA satellite-based precipitation data, Journal of the Faculty of Engineering and Architecture of Gazi University, 32(2), 541-549, 2017, (in Turkish). |
| 2  | <b>Yılmaz, M.</b> , Yanmaz, A.M., Köken, M., Clear-water scour evolution at dual bridge piers, Canadian Journal of Civil Engineering, 44(4), 298-307, 2017.  |
| 1  | Yanmaz, A.M., <b>Yılmaz, M.</b> , Bridge scour risk assessment and countermeasure design", ASCE Journal of Performance of Constructed Facilities, 26(4), 499-506, 2012.  |

## PROJECTS

|   |   |
|---|---|
| 1 | "İklim Değişikliğinin Çoruh Havzasındaki Yüzey Su Potansiyeline ve Ardışık Barajlardaki Enerji Üretimine Etkilerinin İncelenmesi", TUBİTAK – 1001 - Scientific and Technological Research Projects Funding Program, Project No: 121Y456, Researcher, 2022-2025. |
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## CONFERENCE PRESENTATIONS

|    |  |
|----|--|
| 11 | <b>Yılmaz, M.</b> , Investigation of Daytime and Nighttime Temperature Trends over Turkey, 7th International Conference on Climate Change, Online, Sri Lanka, 2023.                                  |
| 10 | <b>Yılmaz, M.</b> , Investigation of ERA5 air temperature reanalysis data accuracy over Ankara, 9th International Advanced Technologies Symposium, Online, Turkey, 2021.                             |
| 9  | Çalamak, M., <b>Yılmaz, M.</b> , A review of Anita Dam incident: Internal erosion caused by a buried conduit and lessons learned, 5th International Symposium on Dam Safety, İstanbul, Turkey, 2018. |
| 8  | <b>Yılmaz, M.</b> , Çalamak, M., Yanmaz, A.M., A study on reduction of failure risk of river bridges, 4th Hydraulic Structures Symposium, Antalya, Turkey, 2015 (in Turkish).                        |

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| 7 | Çalamak, M., <b>Yılmaz, M.</b> , Yanmaz, A.M., Evaluation of rapid drawdown effects on slope stability of earth-fill dams, 4th Hydraulic Structures Symposium, Antalya, Turkey, 2015 (in Turkish).                                 |
| 6 | Yılmaz, M.T., Amjad, M., <b>Yılmaz M.</b> , Comparison of Tropical Rainfall Measuring Mission satellite-based precipitation data with ground observations, 2nd Meteorological Remote Sensing Symposium, Turkey, 2015 (in Turkish). |
| 5 | <b>Yılmaz, M.</b> , Yanmaz, A.M., Köken, M., Temporal variation of scouring topography around dual bridge piers, 7th International Conference on Scour and Erosion, Perth, Western Australia, 2014.                                |
| 4 | <b>Yılmaz, M.</b> , Sürer S., Akyürek Z., Yanmaz A.M., A case study on river navigation system design with upstream control, 6th International PIANC-SMART Rivers Conference, Liège, Belgium, 2013.                                |
| 3 | Yanmaz, A.M., <b>Yılmaz, M.</b> , Assessment of riprap protection of existing bridges against scouring, 2nd Symposium on Bridges and Viaducts, Eskişehir, Turkey, 2011, (in Turkish).  |
| 2 | <b>Yılmaz, M.</b> , Yanmaz, A.M., Investigation of failure risk of river bridges, 6th Urban Infrastructure Symposium, Antalya, Turkey, 2011, (in Turkish).   |
| 1 | Yanmaz, A.M., <b>Yılmaz, M.</b> , A case study on bridge-scour risk assessment, 9th International Congress on Advances in Civil Engineering, Trabzon, Turkey, 2010.  |

## CITATIONS

|   |    |
|---|----|
| Sum of times cited without self-citations (ISI Web of Science): | 44 |
| H-index (ISI Web of Science):                                   | 3  |

## COURSES GIVEN

|   |   |
|---|---|
| 8 | CE450 Civil Engineering Seminars, Atılım University (2023- )          |
| 7 | CE479 Applied Water Resources Engineering, Atılım University (2020- ) |
| 6 | CE307 Fluid Mechanics, Atılım University (2019- )                     |
| 5 | CE402 Hydrology and Water Resources, Atılım University (2019- )       |
| 4 | CE470 Open Channel Hydraulics, Atılım University (2019- )             |
| 3 | CE374 Fluid Mechanics, Middle East Technical University (2017-2019)   |
| 2 | CE270 Fluid Mechanics, Çankaya University (2015-2016)                 |
| 1 | CE371 Hydraulics, Çankaya University (2015-2016)                      |