

## Personal Information

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## International Researcher IDs

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## Education Information

Doctorate, Middle East Technical University, Faculty Of Engineering, Department Of Civil Engineering, Turkey 2011 - 2017

Postgraduate, Middle East Technical University, Faculty Of Engineering, Department Of Civil Engineering, Turkey 2009 - 2011

Undergraduate, Middle East Technical University, Faculty Of Engineering, Department Of Civil Engineering, Turkey 2006 - 2009

## Foreign Languages

English, C1 Advanced

## Research Areas

Mechanical, Structure

## Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Efficient disaster waste management: identifying suitable temporary sites using an emission-aware approach after the Kahramanmaraş earthquakes**  
Demir A., Dinçer A. E.  
International Journal of Environmental Science and Technology, vol.20, no.12, pp.13143-13158, 2023 (SCI-Expanded)
- II. **Enhancing wind turbine site selection through a novel wake penalty criterion**  
Dinçer A. E., Demir A., Yılmaz K.  
ENERGY, vol.2023, pp.1-13, 2023 (SCI-Expanded)
- III. **A novel method for the site selection of large-scale PV farms by using AHP and GIS: A case study in İzmir, Türkiye**  
Demir A., Dinçer A. E., Yılmaz K.  
Solar Energy, vol.259, pp.235-245, 2023 (SCI-Expanded)
- IV. **Numerical and experimental investigation of sloshing in a water tank with a fully coupled fluid-structure interaction method**  
Demir A., DİNÇER A. E., Ozturk S., KAZAZ İ.  
PROGRESS IN COMPUTATIONAL FLUID DYNAMICS, vol.21, no.2, pp.103-114, 2021 (SCI-Expanded)

- V. **Application of Smoothed Particle Hydrodynamics to Structural Cable Analysis**  
DİNÇER A. E., DEMİR A.  
APPLIED SCIENCES-BASEL, vol.10, no.24, 2020 (SCI-Expanded)
- VI. **Hydro-elastic analysis of standing submerged structures under seismic excitations with SPH-FEM approach**  
DEMİR A.  
LATIN AMERICAN JOURNAL OF SOLIDS AND STRUCTURES, vol.17, no.9, 2020 (SCI-Expanded)
- VII. **Fully Coupled Smoothed Particle Hydrodynamics-Finite Element Method Approach for Fluid-Structure Interaction Problems With Large Deflections**  
Dincer A. E., Demir A., BOZKUŞ Z., Tijsseling A. S.  
JOURNAL OF FLUIDS ENGINEERING-TRANSACTIONS OF THE ASME, vol.141, no.8, 2019 (SCI-Expanded)
- VIII. **Numerical and experimental investigation of damping in a dam-break problem with fluid-structure interaction**  
Demir A., Dincer A. E., BOZKUŞ Z., Tijsseling A. S.  
JOURNAL OF ZHEJIANG UNIVERSITY-SCIENCE A, vol.20, no.4, pp.258-271, 2019 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Methods for multi-segment continuous cable analysis**  
DEMİR A., UĞUR Ş.  
Challenge Journal of Structural Mechanics, vol.9, no.2, pp.48-54, 2023 (Peer-Reviewed Journal)
- II. **Numerical Investigation of the Effect of Water Level on Submerged Minarets**  
Demir A., Dinçer A. E.  
İğdır Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.11, no.1, pp.325-332, 2020 (Peer-Reviewed Journal)
- III. **Numerical investigation of sloshing with baffles having different elasticities**  
Demir A., Dinçer A. E.  
Challenge Journal of Structural Mechanics, vol.6, no.4, pp.176-182, 2020 (Peer-Reviewed Journal)
- IV. **Investigation of the Effect of Sequential Dam-Break Problem on the Elastic Structure Located Downstream with a Fluid-Structure Interaction Method**  
Dinçer A. E., Demir A.  
İğdır Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.10, no.4, pp.2659-2667, 2020 (Peer-Reviewed Journal)
- V. **MPS ve FEM tabanlı akışkan-yapı etkileşimi modelinin çoruh nehri üzerindeki ardıl baraj-yıkılma problemine uygulanması**  
DİNÇER A. E., DEMİR A.  
Doğal Afetler ve Çevre Dergisi, vol.3, no.2, pp.64-69, 2017 (Peer-Reviewed Journal)
- VI. **3D single-segment cable analysis**  
DEMİR A.  
International Journal of Engineering and Science, vol.5, no.8, pp.1-7, 2016 (Peer-Reviewed Journal)
- VII. **Static analysis of railway overheads considering pantograph effect.**  
DEMİR A.  
International Journal of Advances in Railway Engineering, vol.3, no.1, pp.39-47, 2015 (Peer-Reviewed Journal)

## Books & Book Chapters

- I. **Strukturelle kabelanalyse**  
Demir A.  
lambert academic publishing, Chisinau, 2021
- II. **Análisis estructural de cables**  
Demir A.

- lambert academic publishing, Chisinau, 2021
- III. **Analisi strutturale dei cavi**  
Demir A.  
lambert academic publishing, Chisinau, 2021
- IV. **Analyse des câbles structurels**  
Demir A.  
lambert academic publishing, Chisinau, 2021
- V. **Análise de Cabos Estruturais**  
Demir A.  
lambert academic publishing, Chisinau, 2021
- VI. **Structural cable analysis**  
Demir A.  
lambert academic publishing, Chisinau, 2020
- VII. **Form Finding and Structural Analysis of Cables with Multiple Supports**  
Demir A.  
Lambert Academic Publishing, Chisinau, 2015

## Refereed Congress / Symposium Publications in Proceedings

- I. **Chain model by smoothed particle hydrodynamics**  
Demir A.  
international congress on vocational and technical sciences, Konya, Turkey, 3 - 05 September 2021, pp.306
- II. **Investigation of elastic structures under water**  
Demir A.  
international conference on engineering technologies, Konya, Turkey, 19 - 21 November 2020, pp.148
- III. **investigation of stability effect of time integration methods in fluid structure interaction problems**  
Demir A., Dinçer A. E.  
International conference on Engineering Technologies, Konya, Turkey, 25 - 27 October 2019, pp.122
- IV. **Investigation of fluid structure interaction with the coupling of SPH and FEM**  
Dinçer A. E., Demir A.  
international conference on engineering technologies, Konya, Turkey, 25 - 27 October 2019, pp.117
- V. **A Preliminary Study for a Fluid Structure Interaction Model by Smoothed Particle Hydrodynamics and Contact Mechanics**  
DEMİR A., DİNÇER A. E., YAVUZ C.  
IAHR, 13 - 18 August 2017
- VI. **Structural cable analysis with different approaches**  
DEMİR A., POLAT M. U.  
ICOCEE, 8 - 10 May 2017
- VII. **Application of MPS-FEM Fluid Structure Interaction Model to a Sequential Dam-Break Problem**  
DİNÇER A. E., DEMİR A.  
ICENS 2017, 3 - 07 May 2017
- VIII. **Effect of bending stiffness on analysis of railway overheads**  
DEMİR A.  
ICENS, 3 - 07 May 2017

## Metrics

Publication: 31

Citation (WoS): 40

Citation (Scopus): 40

H-Index (WoS): 4

H-Index (Scopus): 4