

Asst. Prof. ABDULLAH DEMİR

Personal Information

Email: abdullah.demir@agu.edu.tr

Web: <https://avesis.agu.edu.tr/abdullah.demir>

International Researcher IDs

ORCID: 0000-0002-6392-648X

Yoksis Researcher ID: 164868

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

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **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)
- II. **Application of Smoothed Particle Hydrodynamics to Structural Cable Analysis**
DİNÇER A. E. , DEMİR A.
APPLIED SCIENCES-BASEL, vol.10, no.24, 2020 (SCI-Expanded)
- III. **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)
- IV. **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)
- V. **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. **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)
- II. **3D single-segment cable analysis**
DEMİR A.
International Journal of Engineering and Science, vol.5, no.8, pp.1-7, 2016 (Peer-Reviewed Journal)
- III. **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. **Analyse des câbles structurels**
Demir A.
lambert academic publishing, Chisinau, 2021
- IV. **Análise de Cabos Estruturais**
Demir A.
lambert academic publishing, Chisinau, 2021
- V. **Analisi strutturale dei cavi**
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**
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ICENS, 3 - 07 May 2017

Metrics

Publication: 32

Citation (WoS): 20

Citation (Scopus): 19

H-Index (WoS): 2

H-Index (Scopus): 2