

Prof. Abdullah Gedikli

Personal Information

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Education Information

Doctorate, Istanbul Technical University, Fen Bilimleri Enstitüsü, İnşaat Mühendisliği Anabilim Dalı, Turkey 1990 - 1996

Postgraduate, Istanbul Technical University, Fen Bilimleri Enstitüsü, İnşaat Mühendisliği Anabilim Dalı, Turkey 1985 - 1989

Undergraduate, Akdeniz University, Isparta Mühendislik Fakültesi, İnşaat Mühendisliği Pr., Turkey 1981 - 1985

Dissertations

Doctorate, Silindirik tanklarda varyasyonel sınır eleman-sonlu eleman yöntemi ile sıvı yapı etkileşimi, İstanbul Teknik Üniversitesi, Fen Bilimleri Enstitüsü, İnşaat Mühendisliği Anabilim Dalı, 1996

Postgraduate, Halka plak elemanlı silindirik tanklarda dinamik sıvı-yapı etkileşimi, İstanbul Teknik Üniversitesi, Fen Bilimleri Enstitüsü, İnşaat Mühendisliği Anabilim Dalı, 1989

Research Areas

Technical Sciences, Civil Engineering, Mechanical

Academic Titles / Tasks

Professor, Istanbul Technical University, İnşaat Fakültesi, İnşaat Mühendisliği Bölümü, 2013 - Continues

Associate Professor, Istanbul Technical University, İnşaat Fakültesi, İnşaat Mühendisliği Bölümü, 2008 - 2013

Assistant Professor, Istanbul Technical University, İnşaat Fakültesi, İnşaat Mühendisliği Bölümü, 1997 - 2007

Courses

Dinamik, Undergraduate, 2016 - 2017

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Soil erosion model tested on experimental data of a laboratory flume with a pre-existing rill**
Aksoy H., Gedikli A., Yılmaz M., Eriş Duman E., Ünal N. E. , Yoon J., Kavvas M. L. , Tayfur G.
JOURNAL OF HYDROLOGY, vol.581, 2020 (Journal Indexed in SCI)
- II. **Vulnerability of Natural Gas Pipelines under Earthquake Effects**
Yigit A., Lav M. A. , Gedikli A.

JOURNAL OF PIPELINE SYSTEMS ENGINEERING AND PRACTICE, vol.9, no.1, 2018 (Journal Indexed in SCI)

- III. **Rainfall-Runoff Model Considering Microtopography Simulated in a Laboratory Erosion Flume**
Aksoy H., Gedikli A., Ünal N. E. , Yılmaz M., Eris E., Yoon J., Tayfur G.
WATER RESOURCES MANAGEMENT, vol.30, no.15, pp.5609-5624, 2016 (Journal Indexed in SCI)
- IV. **Laboratory experiments of sediment transport from bare soil with a rill**
Aksoy H., Ünal N. E. , Çokgör Ş., Gedikli A., Yoon J., KOCA K., INCI S. B. , Eris E., Pak G.
HYDROLOGICAL SCIENCES JOURNAL-JOURNAL DES SCIENCES HYDROLOGIQUES, vol.58, no.7, pp.1505-1518, 2013 (Journal Indexed in SCI)
- V. **A rainfall simulator for laboratory-scale assessment of rainfall-runoff-sediment transport processes over a two-dimensional flume**
Aksoy H., Ünal N. E. , Çokgör Ş., Gedikli A., Yoon J., KOCA K., INCI S. B. , Eris E.
CATENA, vol.98, pp.63-72, 2012 (Journal Indexed in SCI)
- VI. **AUG-Segmenter: a user-friendly tool for segmentation of long time series**
Gedikli A., Aksoy H., Ünal N. E.
JOURNAL OF HYDROINFORMATICS, vol.12, no.3, pp.318-328, 2010 (Journal Indexed in SCI)
- VII. **Modified dynamic programming approach for offline segmentation of long hydrometeorological time series**
Gedikli A., Aksoy H., Ünal N. E. , Kehagias A.
STOCHASTIC ENVIRONMENTAL RESEARCH AND RISK ASSESSMENT, vol.24, no.5, pp.547-557, 2010 (Journal Indexed in SCI)
- VIII. **Structural Assessment and Upgrading of Sewers Based on Inspection Results**
BECKER G., BODUROGLU H., CAMARINOPOULOS S., FRONDISTOU-YANNAS S., Gedikli A., KALLIDROMITIS V. G. , KAMPRANIS D., SANNA C.
JOURNAL OF INFRASTRUCTURE SYSTEMS, vol.15, no.4, pp.321-329, 2009 (Journal Indexed in SCI)
- IX. **Fast segmentation algorithms for long hydrometeorological time series**
Aksoy H., Gedikli A., Ünal N. E. , Kehagias A.
HYDROLOGICAL PROCESSES, vol.22, no.23, pp.4600-4608, 2008 (Journal Indexed in SCI)
- X. **Segmentation algorithm for long time series analysis**
Gedikli A., Aksoy H., Ünal N. E.
STOCHASTIC ENVIRONMENTAL RESEARCH AND RISK ASSESSMENT, vol.22, no.3, pp.291-302, 2008 (Journal Indexed in SCI)
- XI. **Untitled**
Aksoy H., Unal N. E. , Gedikli A.
STOCHASTIC ENVIRONMENTAL RESEARCH AND RISK ASSESSMENT, vol.21, no.4, pp.447-449, 2007 (Journal Indexed in SCI)
- XII. **Eigenvalue problems of beams with wedge-shaped Vlasov foundations**
Gedikli A.
JOURNAL OF SOUND AND VIBRATION, vol.300, pp.817-830, 2007 (Journal Indexed in SCI)
- XIII. **Evaluation of sloshing problem by variational boundary element method**
Gedikli A., Erguven M. E.
ENGINEERING ANALYSIS WITH BOUNDARY ELEMENTS, vol.27, no.9, pp.935-943, 2003 (Journal Indexed in SCI)
- XIV. **A mixed finite element formulation for timoshenko beam on winkler foundation**
Erguven M. E. , Gedikli A.
COMPUTATIONAL MECHANICS, vol.31, pp.229-237, 2003 (Journal Indexed in SCI)
- XV. **Seismic analysis of a liquid storage tank with a baffle**
Gedikli A., Erguven M. E.
JOURNAL OF SOUND AND VIBRATION, vol.223, no.1, pp.141-155, 1999 (Journal Indexed in SCI)

Articles Published in Other Journals

- I. **Numerical modelling of the in-plane loaded homogenized masonry walls**
Kömürcü S., Gedikli A.
Periodicals of Engineering and Natural Sciences, vol.5, pp.314-321, 2017 (Refereed Journals of Other Institutions)
- II. **Türkiye Kuvvetli Yer Hareketi Kayıtları Kullanılarak Deprem Kaynaklı Kalıcı Zemin Yer Değiş-tirmelerinin Tahmin Edilmesi**
Yiğit A., Gedikli A.
POLİTEKNİK DERGİSİ, vol.18, no.3, pp.175-181, 2015 (National Refreed University Journal)
- III. **Estimation of The Amount of Earthquake-Induced Premanent Ground Displacements Using Strong Ground Motion Records in Turkey**
Yigit A., Gedikli A.
JOURNAL OF POLYTECHNIC-POLITEKNİK DERGISI, vol.18, no.3, pp.175-181, 2015 (Journal Indexed in ESCI)
- IV. **Statistical Hydrology**
GRIMALDI S., KAO S., CASTELLARIN A., Papalexiou S., VIGLIONE A., LAIO F., Aksoy H., Gedikli A.
TREATISE ON WATER SCIENCE, VOL 2: THE SCIENCE OF HYDROLOGY, pp.479-517, 2011 (Refereed Journals of Other Institutions)
- V. **Consistent stiffness matrix for analysis of beams and plates on elastic foundation**
Gedikli A., Ergüven M. E.
Bulletin of The Technical University of Istanbul, vol.46, no.1, pp.13-28, 1993 (National Refreed University Journal)

Supported Projects

Gedikli A., Project Supported by Higher Education Institutions, Boşluklu Yığma Duvarların Düzlem İçi Davranışlarının Modellenmesi ve Analizi (Analysis and Modelling of the In-plane Behaviour of Hollow Masonry Walls), 2016 - 2017
Gedikli A., Project Supported by Higher Education Institutions, Sıvı-yapı etkileşimi bir çelik su kulesinin depreme dayanıklı tasarımı, 2005 - 2006

Citations

Total Citations (WOS):343

h-index (WOS):10