

Asst. Prof. NURAY ÖKTEM (BOZKAYA)

Personal Information

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International Researcher IDs

ORCID: 0000-0002-4208-0294

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Education Information

Post Doctorate, Middle East Technical University, Faculty Of Engineering, İnşaat Mühendisliği/Hidrolik, Turkey 2014 - 2016

Doctorate, Middle East Technical University, Fen Edebiyat Fakültesi , Matematik Bölümü, Turkey 2004 - 2010

Postgraduate, Middle East Technical University, Fen Edebiyat Fakültesi , Matematik Bölümü, Turkey 2003 - 2005

Undergraduate, Hacettepe University, Fen Fakültesi, Matematik Bölümü, Turkey 1999 - 2003

Foreign Languages

English, C1 Advanced

Italian, A1 Beginner

Dissertations

Doctorate, Application of the Boundary Element Method to Parabolic Type Equations, Middle East Technical University, Fen Edebiyat Fakültesi, Matematik Bölümü/Uygulamalı Matematik, 2010

Postgraduate, The Boundary Element Method Solutions of Diffusion and Scalar Wave Equations Using Time-Dependent Fundamental Solutions, Middle East Technical University, Fen Edebiyat Fakültesi, Matematik Bölümü/Uygulamalı Matematik, 2005

Research Areas

Civil Engineering, Hydraulic, Open Channel Flow, Hydromechanics, Mathematics, Differential Equations, Numerical Analysis, Natural Sciences, Engineering and Technology

Academic Titles / Tasks

Assistant Professor, Canakkale Onsekiz Mart University, Fen Fakültesi, Matematik Bölümü, 2018 - Continues

Assistant Professor, Canakkale Onsekiz Mart University, Fen Fakültesi, Matematik Bölümü, 2011 - 2018

Assistant Professor, Middle East Technical University, Faculty Of Engineering, İnşaat Mühendisliği, 2014 - 2016

Research Assistant PhD, Canakkale Onsekiz Mart University, Fen Fakültesi, Matematik Bölümü, 2010 - 2011

Research Assistant, Middle East Technical University, Fen Edebiyat Fakültesi, Matematik Bölümü, 2005 - 2010

Courses

MATEMATİK 1, Undergraduate, 2016 - 2017
NÜMERİK ANALİZ 1, Undergraduate, 2016 - 2017
MATEMATİK 2, Undergraduate, 2013 - 2014
LİNEER CEBİR, Undergraduate, 2013 - 2014, 2012 - 2013
NÜMERİK ANALİZ 2, Undergraduate, 2012 - 2013
GENEL MATEMATİK 1, Undergraduate, 2013 - 2014
MATEMATİK 1, Undergraduate, 2013 - 2014, 2012 - 2013
MATEMATİK 1, Undergraduate, 2012 - 2013
MATEMATİK 1, Undergraduate, 2012 - 2013
MATEMATİK 1, Undergraduate, 2012 - 2013

Jury Memberships

Post Graduate, TEZ SAVUNMA JÜRİSİ, ODTÜ, April, 2016
Post Graduate, TEZ SAVUNMA JÜRİSİ, ODTÜ, September, 2015
Post Graduate, TEZ SAVUNMA JÜRİSİ, ODTÜ, February, 2015

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **On the Use of Shallow Water Equations in Hydraulics**
Isçen B. N., ÖKTEM (BOZKAYA) N., Yılmaz B., AYDIN İ.
TEKNIK DERGI, vol.28, no.1, pp.7747-7764, 2017 (SCI-Expanded)
- II. **The DRBEM solution of incompressible MHD flow equations**
Bozkaya N., Tezer-Sezgin M.
INTERNATIONAL JOURNAL FOR NUMERICAL METHODS IN FLUIDS, vol.67, no.10, pp.1264-1282, 2011 (SCI-Expanded)
- III. **Time-domain BEM solution of convection-diffusion-type MHD equations**
Bozkaya N., Tezer-Sezgin M.
INTERNATIONAL JOURNAL FOR NUMERICAL METHODS IN FLUIDS, vol.56, no.11, pp.1969-1991, 2008 (SCI-Expanded)

Articles Published in Other Journals

- I. **Computer Code Development for the Numerical Solution of Two Dimensional Shallow Flow Equations on Unstructured Grid**
ÖKTEM N.
Sakarya University Journal of Science, vol.22, no.2, pp.364-382, 2018 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **An Efficient TVD-WAF Scheme Application for the 2D Shallow Water Equations on Unstructured Meshes**
ÖKTEM N.
2nd International Conference on Pure and Applied Mathematics (ICPAM-VAN 2018), Van, Turkey, 11 - 13 September 2018, pp.112

Supported Projects

ÖKTEM (BOZKAYA) N., Project Supported by Other Official Institutions, Taşkın İlerlemesi Modellemesinde Derinlik Entegrallı Sığ Akım Denklemlerinin Çözümü İçin Bilgisayar Kodu Geliştirilmesi, 2014 - 2015

Scientific Refereeing

Fixed point theory and applications, SCI Journal, March 2016

Turkish Journal of Mathematics, SCI Journal, February 2016

Metrics

Publication: 13

Citation (WoS): 26

Citation (Scopus): 29

H-Index (WoS): 2

H-Index (Scopus): 2

Scholarships

Yurt İçi Doktora Bursu, TUBITAK, 2004 - Continues

Yurt İçi Yüksek Lisans Bursu, TUBITAK, 2003 - Continues

Awards

ÖKTEM (BOZKAYA) N., İhsan Doğramacı Üstün Başarı Ödülü, Fakülte Üçüncülüğü, Hacettepe Üniversitesi, July 2003

ÖKTEM (BOZKAYA) N., Bölüm İkinciliği, Hacettepe Üniversitesi, July 2003

Non Academic Experience

Fluid Mechanics Department, Wessex Institute of Technology