

Asst. Prof. TANJU AKAR

Personal Information

Office Phone: [+90 242 310 6321](tel:+902423106321)

Email: tanjuakar@akdeniz.edu.tr

Web: <https://avesis.akdeniz.edu.tr/tanjuakar>

Education Information

Doctorate, Istanbul Technical University, Fen Bilimleri Enstitüsü/İnsaat Muhendisligi, Turkey 1992 - 2000

Postgraduate, Istanbul Technical University, Fen Bilimleri Enstitüsü/İnsaat Muhendisligi, Turkey 1988 - 1992

Undergraduate, Yildiz Technical University, Mühendislik Fakültesi/İnsaat Muhendisligi, Turkey 1983 - 1988

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, AKARSU ASKI MADDESİ DEBİLERİNİN ZAMAN SERİLERİYLE MODELLENMESİ VE HAZNE ÖLÜ HACİM TAHMİNİ, Akdeniz University, Institute of Science, İnşaat Mühendisliği, 2000

Postgraduate, TAŞKIN YATAKLI KANALLARDA ANA YATAK TAŞKIN YATAĞI AKIMLARININ ETKİLEŞİMİ, Akdeniz University, Institute of Science, İnşaat Mühendisliği, 1992

Research Areas

Civil Engineering, Hydraulic, Surface Water Engineering, Hydrology, Pipeline Hydraulics, Open Channel Flow, Hydromechanics, Engineering and Technology

Courses

Hidrolojik Analiz İlkeleri, Undergraduate, 2016 - 2017, 2015 - 2016, 2014 - 2015

Bitirme Çalışması, Undergraduate, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014

Su Temini ve Çevre Sağlığı, Undergraduate, 2016 - 2017, 2015 - 2016, 2014 - 2015

Hidrolik, Undergraduate, 2016 - 2017, 2015 - 2016, 2014 - 2015

Hareketli Tabanlı Akımların Hidroliği, Postgraduate, 2014 - 2015

Advising Theses

AKAR T., BARAJ REZERVUARININ, GİRİŞ AKIMLARININ İSTATİSTİKSEL ÖZELLİKLERİ ÜZERİNDEKİ ETKİSİNİN İNCELENMESİ, Postgraduate, M.Bircan(Student), 2011

AKAR T., HİDROELEKTRİK ENERJİ ELDESİNDE ALTERNATİF BİR YÖNTEM OLARAK HİDROKİNETİK ENERJİ,

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **The Role of Impulse on the Initiation of Particle Movement Under Turbulent Flow Conditions**
Diplas P., Dancey C. L., Celik A. O., Valyrakis M., Greer K., Akar T.
SCIENCE, vol.322, no.5902, pp.717-720, 2008 (SCI-Expanded)
- II. **Annual and monthly rainfall data generation schemes**
Ünal N. E., AKSOY H., Akar T.
STOCHASTIC ENVIRONMENTAL RESEARCH AND RISK ASSESSMENT, vol.18, no.4, pp.245-257, 2004 (SCI-Expanded)
- III. **Wavelet analysis for modeling suspended sediment discharge**
AKSOY H., Akar T., Ünal N. E.
NORDIC HYDROLOGY, vol.35, no.2, pp.165-174, 2004 (SCI-Expanded)

Refereed Congress / Symposium Publications in Proceedings

- I. **Measurements of Particle Movement and Local Turbulent Flow Characteristics at Incipient Conditions**
Çelik A. O., Dancey C. L., Valyrakis M., Diplas P., AKAR T., Dillon B.
International Conference on Fluvial Hydraulics, İzmir, Turkey, 3 - 05 September 2008, pp.1645-1651
- II. **Development of a hybrid adaptive neuro-fuzzy system for the prediction of sediment transport**
Valyrakis M., Diplas P., Dancey C. L., AKAR T., Çelik A. O.
International Conference on Fluvial Hydraulics, Lisbon, Portugal, 6 - 08 September 2006, pp.877-886
- III. **Modeling of Suspended Sediment Discharges in Rivers and Dead Volume Estimation**
AKAR T., Bulu A.
Séminaire International Les Petits Barrages dans Le Monde Méditerranéen, HYDROMED, Tunis, Tunisia, 28 - 31 May 2001, pp.100
- IV. **Stochastic Modeling of Sediment Discharges**
Bulu A., AKAR T.
Stochastic Models of Hydrological Processes and Their Applications to Problems of Environmental Preservation- NATO Advanced Research Workshop, Moskova, Russia, 23 - 27 November 1998, pp.211-220
- V. **Stochastic Modelling of Monthly Sediment discharges**
Bulu A., AKAR T.
Seminaire International Annuel du Groupe AMHY de FRIEND (UNESCO), İstanbul, Turkey, 15 - 18 October 1998, pp.145-151
- VI. **Time Series Modelling of Sediment Discharges**
Bulu A., AKAR T.
XIXth Conference of the Danube Countries on Hydrological Forecasting and Hydrological Bases of Water Management, Osijek, Croatia, 15 - 19 June 1998, pp.741-747
- VII. **Taşkın Yataklı Kanallarda Ana Yatak Taşkın Yatağı Akımlarının Etkileşimi**
AKAR T.
Su ve Toprak Kaynaklarının Geliştirilmesi Konferansı, DSİ, Ankara, Turkey, 12 - 14 April 1994, pp.269-278

Metrics

Publication: 10

Citation (WoS): 233

Citation (Scopus): 254

H-Index (WoS): 3

H-Index (Scopus): 3

Scholarships

The Role Of Fluctuating Fluid Forces on the Initiation of Sediment Motion, Official Institutions of Foreign Countries, 2006

- Continues

Türbülansın Çalkantı Bileşenlerinin Sediment Hareketinin Başlangıcındaki Rolü, TÜBİTAK, 2005 - Continues

Taşkın Yataklı Kanallarda Hidrodinamik İnceleme, Foundation, 2002 - Continues