

Assoc. Prof. Elçin Tan

Personal Information

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International Researcher IDs

ORCID: 0000-0001-7677-6073

Publons / Web Of Science ResearcherID: L-8721-2013

ScopusID: 7402264077

Yoksis Researcher ID: 151201

Education Information

Doctorate, University of California, Davis, Department Of Civil And Environmental Engineering, United States Of America
2007 - 2010

Postgraduate, Istanbul Technical University, Uçak Ve Uzay Bilimleri Fakültesi, Meteoroloji Mühendisliği Bölümü, Turkey
1999 - 2001

Undergraduate, Istanbul Technical University, Uçak Ve Uzay Bilimleri Fakültesi, Meteoroloji Mühendisliği Bölümü, Turkey
1994 - 1999

Foreign Languages

English

Dissertations

Doctorate, Development of a Methodology for Probable Maximum Precipitation Estimation over American River Watershed Using the WRF Model, University Of California, Davis, Department Of Civil And Environmental Engineering, 2010

Postgraduate, Varyans değişimli ısıtım denklemi, İstanbul Teknik Üniversitesi, Uçak Ve Uzay Bilimleri Fakültesi, Meteoroloji Mühendisliği Bölümü, 2001

Research Areas

Atmospheric Sciences and Meteorological Engineering, Atmospheric Physics, Atmospheric Dynamics and Thermodynamics, Cloud Physics, Radiation, Atmosphere-Ocean Interaction, Hydrology-Hydrometeorology, Climate, Climate Change and Climate Modeling, Meteorological Disasters, Flood-Storm-Avalanche-Drought Analysis, Environmental Impact Assessment, Environmental Modeling, Environmental Risk Assessment, Environmental Management, Noise Pollution Control, Air Pollution and Control, Water Pollution and Control, Water Supply and Treatment, Water and Air Resources Management, Coastal Sciences, Coastal Zone Management, Physical Oceanography, Ocean Observation Systems, Ocean Modeling and Forecasting, Simulation, Modelling and Identification, Nonlinear Systems, Pattern Recognition and Analysis, Hydraulic, Coastal Sedimentation, Surface Water Engineering, Hydrology, Water Resources Planning and Management, Hydraulic Structures, Open Channel Flow, Groundwater Engineering,

Coastal Engineering, Stochastic Modeling, Stochastic Processes, Nonlinear Programming, Simulation, Simulation Optimization, Discrete Simulation, System Dynamics, Financial Models and Applications, Risk analysis, Partial Differential Equations, Optimization, Numerical Analysis, Statistical Analysis and Applications

Academic Titles / Tasks

Research Assistant PhD, Istanbul Technical University, Uçak ve Uzay Bilimleri, Meteoroloji Mühendisliği, 2010 - Continues
Research Assistant, Istanbul Technical University, Uçak ve Uzay Bilimleri, Meteoroloji Mühendisliği, 1999 - 2010

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **The Long-Term Impact of COVID-19 Lockdowns in Istanbul**
Tan E.
INTERNATIONAL JOURNAL OF ENVIRONMENTAL RESEARCH AND PUBLIC HEALTH, vol.19, no.21, 2022 (SCI-Expanded)
- II. **Short term wind energy resource prediction using WRF model for a location in western part of Turkey**
Tan E., Menteş Ş. S., Unal E., Ünal Y., Efe B., Barutçu B., Önel B., Topçu H. S., Incecik S.
JOURNAL OF RENEWABLE AND SUSTAINABLE ENERGY, vol.13, no.1, 2021 (SCI-Expanded)
- III. **Discrepancies in the Climatology and Trends of Cloud Cover in Global and Regional Climate Models for the Mediterranean Region**
Enriquez-Alonso A., Calbo J., Sanchez-Lorenzo A., Tan E.
JOURNAL OF GEOPHYSICAL RESEARCH-ATMOSPHERES, vol.122, no.21, pp.11664-11677, 2017 (SCI-Expanded)
- IV. **Microphysics parameterization sensitivity of the WRF Model version 3.1.7 to extreme precipitation evaluation of the 1997 New Year's flood of California**
Tan E.
Geoscientific Model Development Discussions, vol.0, pp.1-29, 2016 (SCI-Expanded)
- V. **Summer heat waves over western Turkey between 1965 and 2006**
Unal Y., TAN E., Menteş Ş. S.
THEORETICAL AND APPLIED CLIMATOLOGY, vol.112, pp.339-350, 2013 (SCI-Expanded)
- VI. **Physically Based Estimation of Maximum Precipitation over American River Watershed, California**
Ohara N., KAVVAS M. L., KURE S., CHEN Z. Q., JANG S., Tan E.
JOURNAL OF HYDROLOGIC ENGINEERING, vol.16, no.4, pp.351-361, 2011 (SCI-Expanded)
- VII. **Development of the online MM5 tracer model and its applications to air pollution episodes in Istanbul, Turkey and Sahara dust transport**
Chen S. -, DUDHIA J., KAIN J. S., Kindap T., TAN E.
JOURNAL OF GEOPHYSICAL RESEARCH-ATMOSPHERES, vol.113, 2008 (SCI-Expanded)
- VIII. **Simple models of solar radiation data for northwestern part of Turkey**
Sen Z., Tan E.
ENERGY CONVERSION AND MANAGEMENT, vol.42, no.5, pp.587-598, 2001 (SCI-Expanded)

Articles Published in Other Journals

- I. **Evaluation of NCEP/NCAR Reanalysis Precipitable Water Data Comparing to Radiosonde Observations for Turkey**
TAN E.
Cumhuriyet Science Journal, vol.40, no.2, pp.521-529, 2019 (Peer-Reviewed Journal)

Supported Projects

Tan E., Project Supported by Higher Education Institutions, WRF-Hydro Modeli Kullanılarak Eylül 2009'da Meydana Gelen Sel Olayının Simülasyonu, 2014 - 2018

Tan E., Project Supported by Higher Education Institutions, Türkiye İçin Ani Sel Tahminlerinin WRF Modeli İle 3dvar Analizi Kullanılarak İyileştirilmesi, 2013 - 2018

Tan E., Project Supported by Higher Education Institutions, Türkiye'de Meydana Gelen Aşırı Yağışların Araştırılması, 2012 - 2018

Tan E., Project Supported by Higher Education Institutions, Akdeniz e Kıyısı Olan Avrupa Ülkelerini Etkileyen Aşırı Yağışların İncelenmesi, 2011 - 2018

Metrics

Publication: 43

Citation (WoS): 120

Citation (Scopus): 145

H-Index (WoS): 4

H-Index (Scopus): 5

Non Academic Experience

Horizon 2020

COST

TÜBİTAK

ioÇevre Çözümleri Ltd. Şti.

International Meeting on Meteorology and Climatology of the Mediterranean

TÜBİTAK UZAY

University of California Davis- Civil and Environmental Engineering

UCDavis Civil and Environmental Engineering

University of California Davis- Atmospheric Science

University of California Davis- Atmospheric Science