

## Assoc. Prof. İsmail Dabanlı

### Personal Information

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### International Researcher IDs

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Publons / Web Of Science ResearcherID: P-4023-2019

ScopusID: 50261212000

Yoksis Researcher ID: 134576

### Education Information

Doctorate, Istanbul Technical University, Fen Bilimleri Enstitüsü, Hidrolik Ve Su Kaynakları Mühendisliği (Dr), Turkey  
2010 - 2017

Undergraduate Double Major, Istanbul Technical University, Mimarlık Fakültesi, Mimarlık Bölümü, Turkey 2007 - 2011

Undergraduate, Istanbul Technical University, İnşaat Fakültesi, İnşaat Mühendisliği Bölümü, Turkey 2005 - 2010

### Foreign Languages

English

### Dissertations

Doctorate, TÜRKİYE'DE İKLİM DEĞİŞİKLİĞİNİN YAĞIŞ-SICAKLIĞA ETKİSİ VE KURAKLIK ANALİZİ: AKARÇAY ÖRNEĞİ,  
İstanbul Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Hidrolik Ve Su Kaynakları Mühendisliği (Dr), 2017

### Research Areas

Engineering and Technology

### Academic Titles / Tasks

Associate Professor, Istanbul Technical University, İnşaat, İnşaat Mühendisliği, 2021 - Continues

Associate Professor, Istanbul Medipol University, Faculty Of Engineering And Natural Sciences, Department Of Civil Engineering, 2019 - 2021

Assistant Professor, Istanbul Medipol University, Faculty Of Engineering And Natural Sciences, Department Of Civil Engineering, 2017 - 2019

Research Assistant, Clemson University, Civil Engineering, Glenn Department Of Civil Engineering, 2016 - 2017

Research Assistant, Istanbul Technical University, İnşaat, İnşaat Mühendisliği, 2011 - 2017

## Courses

HYDROLOGY, Undergraduate, 2016 - 2017, 2013 - 2014

## Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Prioritizing urban water scarcity mitigation strategies based on hybrid multi-criteria decision approach under fuzzy environment**  
Ekmekcioğlu Ö., KOÇ K., Dabanlı İ., Deniz A.  
Sustainable Cities and Society, vol.87, 2022 (SCI-Expanded)
- II. **Drought investigation and trend assessment in Macta watershed (Algeria) by SPI and ITA methodology**  
Elouissi A., Benzater B., Dabanlı İ., Habi M., Harizia A., Hamimed A.  
ARABIAN JOURNAL OF GEOSCIENCES, vol.14, no.14, 2021 (SCI-Expanded)
- III. **Climate change impacts on sea surface temperature (SST) trend around Turkey seashores**  
Dabanlı İ., Sisman E., Guclu Y. S., Birpınar M. E., Sen Z.  
ACTA GEOPHYSICA, vol.69, no.1, pp.295-305, 2021 (SCI-Expanded)
- IV. **Extreme rain trend analysis in Macta watershed North West Algeria**  
Benzater B., Elouissi A., Dabanlı İ., Benaricha B., Hamimed A.  
Arabian Journal of Geosciences, vol.14, no.4, 2021 (SCI-Expanded)
- V. **New approach to detect trends in extreme rain categories by the ITA method in northwest Algeria**  
Benzater B., Elouissi A., Dabanlı İ., Harkat S., Hamimed A.  
HYDROLOGICAL SCIENCES JOURNAL-JOURNAL DES SCIENCES HYDROLOGIQUES, vol.66, no.16, pp.2298-2311, 2021 (SCI-Expanded)
- VI. **Wet and dry spell feature charts for practical uses**  
Şen Z., Şişman E., Dabanlı İ.  
Natural Hazards, vol.104, no.3, pp.1975-1986, 2020 (SCI-Expanded)
- VII. **Physical and practical hydrograph recession modeling in karstic sinkholes**  
Şen Z., Dabanlı İ., Şişman E.  
Water Science and Technology: Water Supply, vol.20, no.2, pp.751-760, 2020 (SCI-Expanded)
- VIII. **Innovative triangular trend analysis**  
Guclu Y. S., Sisman E., Dabanlı İ.  
ARABIAN JOURNAL OF GEOSCIENCES, vol.13, no.1, 2020 (SCI-Expanded)
- IX. **Innovative flow risk assessment with climate change perspective in Yesilirmak Basin**  
Serancam U., Dabanlı İ.  
Fresenius Environmental Bulletin, vol.29, no.1, pp.514-521, 2020 (SCI-Expanded)
- X. **Discussion of "Critical Values for Şen's Trend Analysis" by Richard H. McCuen**  
Şişman E., Güçlü Y. S., Dabanlı İ.  
Journal Of Hydrologic Engineering, vol.25, no.1, pp.1-2, 2019 (SCI-Expanded)
- XI. **Innovative Polygon Trend Analysis (IPTA) and applications**  
Şen Z., Şişman E., Dabanlı İ.  
Journal of Hydrology, vol.575, pp.202-210, 2019 (SCI-Expanded)
- XII. **Temperature difference relationship among precipitation, dry days, and spells in Turkey**  
Dabanlı İ.  
Theoretical and Applied Climatology, vol.135, no.1-2, pp.765-772, 2019 (SCI-Expanded)
- XIII. **Air quality (AQ) identification by innovative trend diagram and AQ index combinations in Istanbul megacity**  
Guclu Y. S., Dabanlı İ., Sisman E., Sen Z.  
ATMOSPHERIC POLLUTION RESEARCH, vol.10, no.1, pp.88-96, 2019 (SCI-Expanded)
- XIV. **Drought hazard, vulnerability, and risk assessment in Turkey**

- Dabanlı İ.  
Arabian Journal of Geosciences, vol.11, no.18, 2018 (SCI-Expanded)
- XV. **Precipitation projections under GCMs perspective and Turkish Water Foundation (TWF) statistical downscaling model procedures**  
Dabanlı İ., Sen Z.  
THEORETICAL AND APPLIED CLIMATOLOGY, vol.132, pp.153-166, 2018 (SCI-Expanded)
- XVI. **Classical and innovative-Şen trend assessment under climate change perspective**  
Dabanlı İ., Şen Z.  
International Journal of Global Warming, vol.15, no.1, pp.19-37, 2018 (SCI-Expanded)
- XVII. **Long-term spatio-temporal drought variability in Turkey**  
Dabanlı İ., Mishra A. K., Şen Z.  
Journal of Hydrology, vol.552, pp.779-792, 2017 (SCI-Expanded)
- XVIII. **Trend Assessment by the Innovative-Sen Method**  
Dabanlı I., SEN Z., Yelegen M. O., Sisman E., SELEK B., Guclu Y. S.  
WATER RESOURCES MANAGEMENT, vol.30, no.14, pp.5193-5203, 2016 (SCI-Expanded)
- XIX. **HARmonic-LINear (HarLin) model for solar irradiation estimation**  
Guclu Y. S., DABANLI I., Sisman E., SEN Z.  
RENEWABLE ENERGY, vol.81, pp.209-218, 2015 (SCI-Expanded)
- XX. **Hydrogeological parameter estimations by partial type curve matching methodology**  
Sen Z., DABANLI I., Sisman E., Guclu Y. S.  
ARABIAN JOURNAL OF GEOSCIENCES, vol.8, no.1, pp.565-578, 2015 (SCI-Expanded)
- XXI. **Solar irradiation estimations and comparisons by ANFIS, Angstrom-Prescott and dependency models**  
Guclu Y. S., YELEGEN M. O., DABANLI I., Sisman E.  
SOLAR ENERGY, vol.109, pp.118-124, 2014 (SCI-Expanded)
- XXII. **Architect Sinan's Kirkcesme water supply system outside the city of Istanbul and city network**  
Uyumaz A., Dabanlı İ.  
WATER SCIENCE AND TECHNOLOGY-WATER SUPPLY, vol.13, no.3, pp.626-637, 2013 (SCI-Expanded)
- XXIII. **Theoretical derivation of wind power probability distribution function and applications**  
Altunkaynak A., ERDIK T., DABANLI I., SEN Z.  
APPLIED ENERGY, vol.92, pp.809-814, 2012 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Temperature and Precipitation Risk Assessment Under Climate Change Effect in Northeast Algeria**  
Boudiaf B., Dabanlı İ., Boutaghane H., Şen Z.  
Earth Systems and Environment, vol.4, no.1, pp.1-14, 2020 (ESCI)

## Metrics

Publication: 26  
Citation (WoS): 201  
Citation (Scopus): 460  
H-Index (WoS): 6  
H-Index (Scopus): 12