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International Researcher IDs

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Education Information

Doctorate, Dokuz Eylül University, Fen Bilimleri Enstitüsü, Hidrolik-Hidroloji Ve Su Kaynakları (Dr), Turkey 2017 - Continues

Postgraduate, Dokuz Eylül University, Fen Bilimleri Enstitüsü, Hidrolik-Hidroloji Ve Su Kaynakları (YI) (Tezli), Turkey 2014 - 2017

Undergraduate, Dokuz Eylül University, Mühendislik Fakültesi, İnşaat Mühendisliği Bölümü, Turkey 2009 - 2014

Foreign Languages

English, C2 Mastery

Dissertations

Postgraduate, Kuraklıklarda enerji üretimi ve sulama suyu kullanımlarının eş zamanlı optimizasyonu, Dokuz Eylül University, Fen Bilimleri Enstitüsü, Hidrolik-Hidroloji Ve Su Kaynakları (YI) (Tezli), 2017

Research Areas

Surface Water Engineering, Hydrology, Water Resources Planning and Management

Academic Titles / Tasks

Research Assistant, Dokuz Eylül University, Mühendislik Fakültesi, İnşaat Mühendisliği Bölümü, 2017 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

1. Meteorological and Agricultural Drought Risk Assessment via Kaplan–Meier Survivability Estimator

- Çetinkaya C. P., Günaçtı M. C.
AGRICULTURE, vol.14, no.3, pp.1-15, 2024 (SCI-Expanded)
- II. **Impact of climate change and land cover dynamics on nitrate transport to surface waters.**
Boyacıoğlu H., Gunacti M. C., Barbaros F., Gul A., Gul G. O., Ozturk T., Kurnaz M. L.
Environmental monitoring and assessment, vol.196, no.3, pp.270, 2024 (SCI-Expanded)
- III. **Attribution of changes in the water balance of a basin to land-use changes through combined modelling of basin hydrology and land-use dynamics**
Günaçtı M. C., Aydın Kandemir F., Najar M., Kuzucu A., Uyar M., Barbaros F., Boyacıoğlu H., Onuşluel Gül G., Gül A.
JOURNAL OF WATER AND CLIMATE CHANGE, vol.13, no.11, pp.4087-4104, 2022 (SCI-Expanded)
- IV. **Evaluating Impact of Land Use and Land Cover Change Under Climate Change on the Lake Marmara System**
Günaçtı M. C., Onuşluel Gül G., Çetinkaya C. P., Gül A., Barbaros F.
WATER RESOURCES MANAGEMENT, 2022 (SCI-Expanded)
- V. **Multi-Criteria Analysis of Water Allocation Scenarios in a Water Scarce Basin**
ÇETİNKAYA C. P., GÜNAÇTI M. C.
WATER RESOURCES MANAGEMENT, vol.32, no.8, pp.2867-2884, 2018 (SCI-Expanded)

Articles Published in Other Journals

- I. **Gediz Havzası nda Yıllık Bitki Deseni Değişimlerinin Ekonomik Nedenleri ve Sulama Suyu Talebine Etkileri**
ÇETİNKAYA C. P., GÜNAÇTI M. C.
Deu Muhendislik Fakültesi Fen ve Muhendislik, vol.20, no.58, pp.10-27, 2018 (Peer-Reviewed Journal)
- II. **Effects of crop pattern changes on hydroelectric power generation in Gediz river basin**
ÇETİNKAYA C. P., GÜNAÇTI M. C.
European Water, vol.60, pp.131-137, 2017 (Peer-Reviewed Journal)

Books & Book Chapters

- I. **İklim Değişikliğinin Tarım Sektörüne Etkileri ve Türkiye'de Nüfus Hareketlilikleri**
Dikmen A. Ç., Gül A., Günaçtı M. C.
in: Türkiye'de Nüfus ve Toplum, Aysan MF, Editor, Yeditepe Yayınevi, İstanbul, pp.419-441, 2022

Refereed Congress / Symposium Publications in Proceedings

- I. **Integrating hydrological modelling and System Dynamics tools for understanding Water-Ecosystems-Food Nexus: hints from the Tarquinia area (Italy)**
Yaseen M., Portoghese I., Iacobellis V., Vanino S., Baratella V., Fabiani S., Günaçtı M. C., Gül A., Barbaros F., Giordano R., et al.
8th Europe Congress of the International Association for Hydro-Environment Engineering and Research (IAHR), Lisbon, Portugal, 4 - 07 June 2024, pp.1-2
- II. **A methodological approach for supporting socio-hydrological modelling of a complex Nexus system**
Panciera C., Portoghese ., Pagano A., Giordano R., Yeşilyurt S. N., Günaçtı M. C., Çetinkaya C. P., Onuşluel Gül G., Najar M., Lopez E., et al.
8th IAHR Europe Congress-Water Across Boundaries, Lisbon, Portugal, 4 - 07 June 2024, pp.1-10
- III. **Fuzzy cognitive mapping of stakeholders' perception of Nature-based Solutions for soil and water resources management**
Günaçtı M. C., Yeşilyurt S. N., Barbaros F., Çetinkaya C. P., Pana E., Takavakoglou V., El-Dın Abdın A., Yahya F., Khalil

M., Spiteri A., et al.

Centennial Celebration and Congress of the International Union of Soil Sciences, Florence, Italy, 19 - 21 May 2024, pp.771

- IV. **Evaluating the Impact of Nature Based Solutions on Water Resources Management**
Günaçtı M. C., Çetinkaya C. P., Onuşluel Gül G., Barbaros F., Gül A., Panciera C., Yaseen M., Maragkakı A., Pısmaras V., Vanıno S., et al.
Centennial Celebration and Congress of the International Union of Soil Sciences, Florence, Italy, 19 - 21 May 2024, pp.770
- V. **Land use and climate change impacts on streamflow and droughts in Küçük Menderes Basin, Türkiye**
Onuşluel Gül G., Kuzucu A., Najar M., Günaçtı M. C., Gül A.
The 12th World Congress of the European Water Resources Association (EWRA) on Water Resources and Environment, "Managing Water-Energy-Land-Food under Climatic, Environmental and Social Instability, Thessaloniki, Greece, 27 June - 01 July 2023, pp.51-52
- VI. **Evaluation of drought risk mapping by Kaplan-Meier method**
Çetinkaya C. P., Günaçtı M. C.
12th World Congress of the European Water Resources Association (EWRA) on Water Resources and Environment, Thessaloniki, Greece, 27 June - 01 July 2023, pp.77-78
- VII. **Fuzzy cognitive mapping of stakeholders' perception of water resources management**
Günaçtı M. C., Çetinkaya C. P., Gül A., Onuşluel Gül G., Barbaros F.
12th World Congress of the European Water Resources Association (EWRA) on Water Resources and Environment, Thessaloniki, Greece, 27 June - 01 July 2023, pp.349-350
- VIII. **Impact of fertilizer management practices and land cover dynamics on nitrate transport to surface waters**
Günaçtı M. C., Boyacıoğlu H., Barbaros F.
12th World Congress of the European Water Resources Association (EWRA) on Water Resources and Environment, Thessaloniki, Greece, 27 June - 01 July 2023, pp.267-268
- IX. **Unravelling the complexity of water-ecosystems-food nexus through integrated modelling: The Doñana case study in SW Spain**
Panciera C., Pagano A., Giordano R., Portoghese I., Vergine P., Bea M., Najar M., Günaçtı M. C., Onuşluel Gül G.
12th World Congress of the European Water Resources Association (EWRA) on Water Resources and Environment, Thessaloniki, Greece, 27 June - 01 July 2023, pp.233-234
- X. **Calibrating the Crop Coefficient Equation for a Plot in Aegean Region of Turkey**
GÜNAÇTI M. C., ÇETİNKAYA C. P., GÜL A., KIDOĞLU F., KAHRAMAN D.
6th Congress on Soil Water Resources with International Participation, İzmir, Turkey, 12 - 14 November 2019, pp.102
- XI. **Crop Water Requirement Prediction and Observation of Potential Productivity on the scope of a Mediterranean Agricultural Plot**
GÜNAÇTI M. C., GÜL A., ÇETİNKAYA C. P., Kahraman D., Kidoğlu F., Özçelik Ş.
11th World Congress of EWRA, 25 - 29 June 2019, pp.415-417
- XII. **Detection of Vegetation Water Requirement of a Mediterranean Wetland by Satellite Imagery**
GÜNAÇTI M. C., ÇETİNKAYA C. P.
11th World Congress of EWRA, Madrid, Spain, 25 - 29 June 2019, pp.409-410
- XIII. **Modeling of Monthly Precipitation by Using Stochastic Techniques**
GÜNAÇTI M. C., BENZEDEN E., ONUŞLUEL GÜL G., KUZUCU A., ÇETİNKAYA C. P., BARAN T.
4th International Conference Water Resources and Wetlands, Tulcea, Romania, 5 - 09 September 2018, pp.85-86
- XIV. **FORECASTING DROUGHT BASED ON THE STANDARDIZED PRECIPITATION INDEX (SPI) IN KUCUK MENDERES BASIN, TURKEY**
GÜNAÇTI M. C., ONUŞLUEL GÜL G., Benzeden E., Kuzucu A., ÇETİNKAYA C. P., BARAN T.
4th International Conference on Water Resources and Wetlands, Tulcea, Romania, 5 - 09 September 2018, pp.184-189
- XV. **Effects of crop pattern changes on hydroelectric power generation in Gediz river basin**

Supported Projects

Çetinkaya C. P., Gül A., Onuşluel Gül G., Boyacıoğlu H., Barbaros F., Günaçtı M. C., TÜBİTAK International Bilateral Joint Cooperation Program Project, UNified framework to cope with droughts under MEDiterranean climate change condition (UNIMED) , 2023 - 2025

Gül A., Onuşluel Gül G., Çetinkaya C. P., Barbaros F., Günaçtı M. C., Özgenç Aksoy A., Boyacıoğlu H., Doğan M., Zammit E., Doğanlar O. C., et al., Horizon Europe Project, TRANSFORMING ADVANCED WATER SKILLING THROUGH THE CREATION OF A NETWORK OF EXTENDED REALITY WATER EMULATIVE CENTRES, 2022 - 2025

Çetinkaya C. P., Gül A., Onuşluel Gül G., Barbaros F., Günaçtı M. C., Takavakoglou V., Horizon Europe Project, Safeguarding the livelihood of rural communities and the environment in the Mediterranean through Nature-based Solutions, 2022 - 2025

Gül A., Onuşluel Gül G., Çetinkaya C. P., Barbaros F., Günaçtı M. C., Fabiani S., YEŞİLYURT S. N., H2020 Project, Learning and action alliances for Nexus environments in an uncertain future (LENSES), 2021 - 2024

Günaçtı M. C., Tanarlan H. M., YILDIRIM Z. B., TOPAL A., Social Support Program Projects, 06.02.2023 tarihinde Kahramanmaraş merkezli yaşanan deprem nedeni deprem bölgelerinde gerçekleştirilen hasar tespit çalışmaları, 2023 - 2023

Boyacıoğlu H., Gül A., Onuşluel Gül G., Barbaros F., Günaçtı M. C., TUBITAK Project, İklim değişikliği etkisinde sürdürülebilir su yönetimi için hidrolojik riskler ve su kalitesi değişimi (İKLİM-RİSK), 2018 - 2021

Harmancıoğlu H. N., Çetinkaya C. P., Gül A., Barbaros F., Günaçtı M. C., Elçi A., Osann Johum A., H2020 Project, Farming Tools for external nutrient Inputs and water MAnagement (FATIMA), 2015 - 2018

Scientific Research / Working Group Memberships

Antroposen Araştırma Grubu (Antrog), Ege University, Türkiye, <https://avesis.ege.edu.tr/arastirma-grubu/antrog>, 2022 - Continues

Metrics

Publication: 23

Citation (WoS): 23

Citation (Scopus): 17

H-Index (WoS): 2

H-Index (Scopus): 1

Congress and Symposium Activities

Centennial Celebration and Congress of the International Union of Soil Sciences, Attendee, Florence, Italy, 2024

"MARA-MEDITERRA" BAŞLIKLİ AB-PRİMA PROJESİ DÖRDÜNCÜ TOPLANTISI, Attendee, Algiers, Algeria, 2024

H2020 PRIMA SECTION 2 destekli LENSES Projesi 5. Genel Kurulu, Attendee, Larissa, Greece, 2023

12th World Congress of EWRA, Attendee, Thessaloniki, Greece, 2023

"MARA-MEDITERRA" BAŞLIKLİ AB-PRİMA PROJESİ İKİNCİ TOPLANTISI, Attendee, Fgura, Malta, 2023

First Project Meeting of EU-PRIMA funded "MARA-MEDITERRA" , Working Group, Mitilini, Greece, 2022

6th Congress on Soil & Water Resources with International Participation, Attendee, İzmir, Turkey, 2019

11th World Congress of EWRA, Attendee, Madrid, Spain, 2019

11th World Congress of EWRA, Attendee, Madrid, Spain, 2019

International Summer School of New Technologies for Supporting Water Resources Management for a Sustainable Agriculture in the Mediterranean and Middle East Regions, Attendee, Naples, Italy, 2019
4th International Conference Water Resources and Wetlands, Attendee, Tulcea, Romania, 2018
4th International Conference Water Resources and Wetlands, Attendee, Tulcea, Romania, 2018
5th Plenary Meeting of H2020 Project "FATIMA" , Working Group, Praha, Czech Republic, 2017
10th World Congress of EWRA, Attendee, Athens, Greece, 2017