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Kişisel Bilgiler

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Publons / Web Of Science ResearcherID: A-9037-2009

ScopusID: 24462767700

Yoksus Araştırmacı ID: 312642

Eğitim Bilgileri

Doktora, University of Washington, Civil Engineering, Civil Engineering, Amerika Birleşik Devletleri 2009 - 2014

Yüksek Lisans, University of Nebraska-Lincoln, Geosciences, Geosciences, Amerika Birleşik Devletleri 2006 - 2008

Yüksek Lisans, İstanbul Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Jeoloji Mühendisliği, Türkiye 2005 - 2007

Lisans, İstanbul Teknik Üniversitesi, Maden, Jeoloji Mühendisliği, Türkiye 1998 - 2005

Yaptığı Tezler

Doktora, Modeling the ecohydrologic role of solar radiation on catchment development in semiarid ecosystems, University of Washington, 2014

Yüksek Lisans, Afyon ili Ömer-Gecek jeotermal sahasının enerji kullanım davranışının incelenmesi, İstanbul Teknik Üniversitesi, Fen Bilimleri Enstitüsü, 2006

Araştırma Alanları

Çevre Mühendisliği, Jeoloji Mühendisliği , İnşaat Mühendisliği

Akademik Unvanlar / Görevler

Dr.Öğr.Üyesi, İstanbul Teknik Üniversitesi, Avrasya Yer Bilimleri Enstitüsü, İklim Ve Deniz Bilimleri, 2019 - Devam Ediyor

Dr.Öğr.Üyesi, University of Newcastle, 2016 - 2019

Araştırma Görevlisi Dr., University of Saskatchewan, 2014 - 2016

Araştırma Görevlisi, University of Washington, 2009 - 2014

Araştırma Görevlisi, The University of Nebraska-Lincoln, 2006 - 2009

Verdiği Dersler

Hidroloji, Lisans, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **Early warning signals of grassland ecosystem degradation: A case study from the northeast Qinghai-Tibetan Plateau**
Wang Y., Liu H., Zhao W., Jiang J., He Z., Yu Y., Guo L., Yetemen Ö.
Catena, cilt.239, 2024 (SCI-Expanded)
- II. **Effect of Solar Farms on Soil Erosion in Hilly Environments: A Modeling Study From the Perspective of Hydrological Connectivity**
Liu H., Wu C., Yu Y., Zhao W., Liu J., Yu H., Zhuang Y., Yetemen Ö.
Water Resources Research, cilt.59, sa.12, 2023 (SCI-Expanded)
- III. **Ecohydrological insight: Solar farms facilitate carbon sink enhancement in drylands**
Wu C., Liu H., Yu Y., Zhao W., Guo L., Liu J., Yetemen Ö.
Journal of Environmental Management, cilt.342, 2023 (SCI-Expanded)
- IV. **The merit of the North Sea-Caspian pattern in explaining climate variability in the Euro-Mediterranean region**
Çağlar F., Yetemen Ö., Chun K. P., Şen Ö. L.
International Journal of Climatology, cilt.43, sa.10, ss.4648-4661, 2023 (SCI-Expanded)
- V. **Strategies of Parameter Optimization and Soil Moisture Sensor Deployment for Accurate Estimation of Evapotranspiration Through a Data-driven Method**
Chai Y., Liu H., Yu Y., Yang Q., Zhang X., Zhao W., Guo L., Yetemen Ö.
Agricultural and Forest Meteorology, cilt.331, 2023 (SCI-Expanded)
- VI. **Identifying the Impacts of Land-Use Spatial Patterns on Street-Network Accessibility Using Geospatial Methods**
Fan P. Y., Chun K. P., Mijic A., Tan M. L., Zhai W., Yetemen Ö.
Geographical Analysis, 2023 (SSCI)
- VII. **Editorial: Hydrological connectivity and sustainable watershed management in a changing environment**
Yu Y., Moreno-De-Las-Heras M., Liu H., Shi P., Yetemen Ö., Saco P.
Frontiers in Environmental Science, cilt.11, 2023 (SCI-Expanded)
- VIII. **The effect of post-wildfire management practices on vegetation recovery: Insights from the Sapadere fire, Antalya, Türkiye**
Yıldız C., Çömert R., Tanyaş H., Yılmaz A., AKBAŞ A., Akay S. S., Yetemen Ö., Görüm T.
Frontiers in Earth Science, cilt.11, 2023 (SCI-Expanded)
- IX. **The spatial configuration of local climate zones reveals effects on wayfinding in human walking**
Fan P. Y., Chun K. P., Tan M. L., Mah D. N., Mijic A., Strickert G., Yetemen Ö.
PloS one, cilt.18, sa.9, 2023 (SCI-Expanded)
- X. **Simulating the potential forest ranges in an old land: the case for Turkey's forests**
Ekberzade B., Yetemen Ö., Şen Ö. L., Dalfes H. N.
BIODIVERSITY AND CONSERVATION, cilt.31, sa.13-14, ss.3217-3236, 2022 (SCI-Expanded)
- XI. **Regional distribution and characteristics of major badland landscapes in Turkey**
Avcioglu A., Görüm T., AKBAŞ A., Moreno-de las Heras M., Yıldırım C., Yetemen Ö.
CATENA, cilt.218, 2022 (SCI-Expanded)
- XII. **Revisiting Soil Water Potential: Towards a Better Understanding of Soil and Plant Interactions**
Ma Y., Liu H., Yu Y., Guo L., Zhao W., Yetemen Ö.
WATER, cilt.14, sa.22, 2022 (SCI-Expanded)
- XIII. **Cosmogenic Cl-36 surface exposure dating of glacial landforms on Mt. Barla (SW Turkey)**
Altinay O., Sarıkaya M. A., Çiner T. A., Zebre M., Stepisnik U., Yıldırım C., Yetemen Ö., Wilcken K. M.
GEOMORPHOLOGY, cilt.416, 2022 (SCI-Expanded)

- XIV. **Impact of climate change and socioeconomic factors on domestic energy consumption: The case of Hong Kong and Singapore**
 Lam C. K. C., He Q., Cheng K., Fan P. Y., Chun K. P., Choi B., Mah D. N., Cheung D. M., Lo K., Yetemen Ö.
ENERGY REPORTS, cilt.8, ss.12886-12904, 2022 (SCI-Expanded)
- XV. **Investigating and predicting spatiotemporal variations in vegetation cover in transitional climate zone: a case study of Gansu (China)**
 He Q., Chun K. P., Dieppois B., Chen L., Fan P. Y., Toker E., Yetemen Ö., Pan X.
THEORETICAL AND APPLIED CLIMATOLOGY, cilt.150, sa.1-2, ss.283-307, 2022 (SCI-Expanded)
- XVI. **Influence of orographic precipitation on coevolving landforms and vegetation in semi-arid ecosystems**
 Srivastava A., Yetemen O., Saco P. M., Rodriguez J. F., Kumari N., Chun K. P.
EARTH SURFACE PROCESSES AND LANDFORMS, cilt.47, sa.12, ss.2846-2862, 2022 (SCI-Expanded)
- XVII. **Integrating the Budyko framework with the emerging hot spot analysis in local land use planning for regulating surface evapotranspiration ratio**
 Fan P. Y., Chun K. P., Mijic A., Tan M. L., Yetemen Ö.
JOURNAL OF ENVIRONMENTAL MANAGEMENT, cilt.316, 2022 (SCI-Expanded)
- XVIII. **Impact of the North Sea-Caspian pattern on meteorological drought and vegetation response over diverging environmental systems in western Eurasia**
 He Q., Xu B., Dieppois B., Yetemen Ö., Şen Ö. L., Klaus J., Schoppach R., Caglar F., Fan P. Y., Chen L., et al.
ECOHYDROLOGY, cilt.15, sa.5, 2022 (SCI-Expanded)
- XIX. **A framework to evaluate the accessibility, visibility, and intelligibility of green-blue spaces (GBSs) related to pedestrian movement**
 Fan P. Y., Chun K. P., Mijic A., Tan M. L., Liu M. S., Yetemen Ö.
URBAN FORESTRY & URBAN GREENING, cilt.69, 2022 (SCI-Expanded)
- XX. **Ecohydrological effects of photovoltaic solar farms on soil microclimates and moisture regimes in arid Northwest China: A modeling study**
 Wu C., Liu H., Yu Y., Zhao W., Liu J., Yu H., Yetemen Ö.
SCIENCE OF THE TOTAL ENVIRONMENT, cilt.802, 2022 (SCI-Expanded)
- XXI. **Spatially-heterogeneous impacts of surface characteristics on urban thermal environment, a case of the Guangdong-Hong Kong-Macau Greater Bay Area**
 Fan P. Y., Chun K. P., Mijic A., Mah D. N., He Q., Choi B., Lam C. K. C., Yetemen Ö.
URBAN CLIMATE, cilt.41, 2022 (SCI-Expanded)
- XXII. **A history of Pistacia lentiscus and Pinus brutia trees and their ecological changes in the Güllük Bay (Muğla, SW Turkey) during the last 400 years**
 Biltekin D., Schwamborn G. J., Eriş K. K., Acar D., Ekberzade B., Hashemi Z., Yakupoğlu N., Mohammadı A., Yetemen Ö.
Turkish Journal of Earth Sciences, cilt.31, sa.5, ss.438-451, 2022 (SCI-Expanded)
- XXIII. **Mapping groundwater-dependent ecosystems in arid Central Asia: Implications for controlling regional land degradation**
 Liu C., Liu H., Yu Y., Zhao W., Zhang Z., Guo L., Yetemen Ö.
SCIENCE OF THE TOTAL ENVIRONMENT, cilt.797, 2021 (SCI-Expanded)
- XXIV. **Quantifying land use heterogeneity on drought conditions for mitigation strategies development in the Dongjiang River Basin, China**
 Fan P. Y., Chun K. P., Mijic A., Tan M. L., He Q., Yetemen Ö.
ECOLOGICAL INDICATORS, cilt.129, 2021 (SCI-Expanded)
- XXV. **Tropical drought patterns and their linkages to large-scale climate variability over Peninsular Malaysia**
 He Q., Chun K. P., Tan M. L., Dieppois B., Juneng L., Klaus J., Fournier M., Massei N., Yetemen Ö.
HYDROLOGICAL PROCESSES, cilt.35, sa.9, 2021 (SCI-Expanded)
- XXVI. **Global Analysis of Atmospheric Transmissivity Using Cloud Cover, Aridity and Flux Network Datasets**
 Srivastava A., Rodriguez J. F., Saco P. M., Kumari N., Yetemen Ö.
REMOTE SENSING, cilt.13, sa.9, 2021 (SCI-Expanded)

- XXVII. **The role of landscape morphology on soil moisture variability in semi-arid ecosystems**
Srivastava A., Saco P. M., Rodriguez J. F., Kumari N., Chun K. P., Yetemen Ö.
HYDROLOGICAL PROCESSES, cilt.35, sa.1, 2021 (SCI-Expanded)
- XXVIII. **The Grass Is Not Always Greener on the Other Side: Seasonal Reversal of Vegetation Greenness in Aspect-Driven Semiarid Ecosystems**
Kumari N., Saco P. M., Rodriguez J. F., Johnstone S. A., Srivastava A., Chun K. P., Yetemen Ö.
GEOPHYSICAL RESEARCH LETTERS, cilt.47, 2020 (SCI-Expanded)
- XXIX. **Gravimetry-based water storage shifting over the China-India border area controlled by regional climate variability**
Chun K. P., He Q., Fok H. S., Ghosh S., Yetemen Ö., Chen Q., Mijic A.
SCIENCE OF THE TOTAL ENVIRONMENT, cilt.714, 2020 (SCI-Expanded)
- XXX. **Ecohydrology Controls the Geomorphic Response to Climate Change**
Yetemen Ö., Saco P. M., Istanbulluoglu E.
GEOPHYSICAL RESEARCH LETTERS, cilt.46, sa.15, ss.8852-8861, 2019 (SCI-Expanded)
- XXXI. **The influence of meteorological conditions and atmospheric circulation types on PM10 levels in western Turkey**
Baltaci H., AKKOYUNLU B. O., Arslan H., Yetemen Ö., Ozdemir E. T.
ENVIRONMENTAL MONITORING AND ASSESSMENT, cilt.191, sa.7, 2019 (SCI-Expanded)
- XXXII. **Mapping landscape-level hydrological connectivity of headwater wetlands to downstream waters: A geospatial modeling approach - Part 1**
Yeo I., Lang M. W., Lee S., McCarty G. W., Sadeghi A. M., Yetemen Ö., Huang C.
SCIENCE OF THE TOTAL ENVIRONMENT, cilt.653, ss.1546-1556, 2019 (SCI-Expanded)
- XXXIII. **Mapping landscape-level hydrological connectivity of headwater wetlands to downstream waters: A catchment modeling approach - Part 2**
Yeo I., Lee S., Lang M. W., Yetemen Ö., McCarty G. W., Sadeghi A. M., Evenson G.
SCIENCE OF THE TOTAL ENVIRONMENT, cilt.653, ss.1557-1570, 2019 (SCI-Expanded)
- XXXIV. **Solar radiation as a global driver of hillslope asymmetry: Insights from an ecogeomorphic landscape evolution model**
Yetemen Ö., Istanbulluoglu E., Duvall A. R.
WATER RESOURCES RESEARCH, cilt.51, sa.12, ss.9843-9861, 2015 (SCI-Expanded)
- XXXV. **Ecohydrologic role of solar radiation on landscape evolution**
Yetemen Ö., Istanbulluoglu E., Flores-Cervantes J. H., Vivoni E. R., Bras R. L.
WATER RESOURCES RESEARCH, cilt.51, sa.2, ss.1127-1157, 2015 (SCI-Expanded)
- XXXVI. **The implications of geology, soils, and vegetation on landscape morphology: Inferences from semi-arid basins with complex vegetation patterns in Central New Mexico, USA**
Yetemen Ö., Istanbulluoglu E., Vivoni E. R.
GEOMORPHOLOGY, cilt.116, ss.246-263, 2010 (SCI-Expanded)
- XXXVII. **Local warming of groundwaters caused by the urban heat island effect in Istanbul, Turkey**
Yalcin T., Yetemen Ö.
HYDROGEOLOGY JOURNAL, cilt.17, sa.5, ss.1247-1255, 2009 (SCI-Expanded)
- XXXVIII. **Climatic parameters and evaluation of energy consumption of the Afyon geothermal district heating system, Afyon, Turkey**
Yetemen Ö., Yalcin T.
RENEWABLE ENERGY, cilt.34, sa.3, ss.706-710, 2009 (SCI-Expanded)
- XXXIX. **Eco-geomorphic implications of hillslope aspect: Inferences from analysis of landscape morphology in central New Mexico**
Istanbulluoglu E., Yetemen Ö., Vivoni E. R., Gutierrez-Jurado H. A., Bras R. L.
GEOPHYSICAL RESEARCH LETTERS, cilt.35, sa.14, 2008 (SCI-Expanded)

Düzenlenen Dergilerde Yayınlanan Makaleler

- I. **Flash Flood and Tornado Disaster in Bodrum: Case Study of November 29, 2018**
Özdemir E. T., Kolay O., Yetemen Ö.
JOURNAL OF ANATOLIAN ENVIRONMENTAL AND ANIMAL SCIENCES, cilt.5, sa.4, ss.491-497, 2020 (Hakemli Dergi)
- II. **Deniz Etkisi Artırılmış Kar Yağışının Meteorolojik Analizi 17-19 Şubat 2015 İstanbul Olayı**
, Özdemir E. T., Yetemen Ö.
JOURNAL OF ANATOLIAN ENVIRONMENTAL AND ANIMAL SCIENCES, cilt.4, sa.2, ss.115-121, 2019 (Hakemli Dergi)
- III. **A Case Study of Rural Area Hail Storm in Yomra, Trabzon, on August 31, 2017**
Özdemir E. T., Kolay O., Yetemen Ö.
JOURNAL OF ANATOLIAN ENVIRONMENTAL AND ANIMAL SCIENCES, cilt.4, sa.2, ss.243-250, 2019 (Hakemli Dergi)
- IV. **Vegetation and soil degradation in drylands: Non linear feedbacks and early warning signals**
Saco P. M., Moreno-de las Heras M., Keesstra S., Baartman J., Yetemen Ö., Rodríguez J. F.
Current Opinion in Environmental Science and Health, cilt.5, ss.67-72, 2018 (Scopus)

Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

- I. **Efficiency Analysis of Solar Farms through UAV-Based Thermal Monitoring**
ÖZCAN O., AKAY S. S., ÖZCAN O., YETEMEN Ö.
AGU Fall Meeting 2023, 11 - 15 Aralık 2023, cilt.1
- II. **BÜYÜK ORMAN YANGINI SONRASI YAMAÇ EROZYONUNUN SEZYUM-137 KULLANILARAK BELİRLENMESİ**
Yıldız C., Görüm T., Hacıyakupoğlu S., Özcan O., Erbay O., Yetemen Ö.
Uluslararası Jeomorfoloji Sempozyumu, Manisa, Türkiye, 6 - 08 Ekim 2022, ss.92-93
- III. **Assessment of Increased Debris Flow Hazard After Wildfires: Lessons from the Dalaman Fire, Eastern Mediterranean, Turkey**
GÖRÜM T., Yıldız C., ÖZCAN O., ÇÖMERT R., YETEMEN Ö.
10th International Conference on Geomorphology, 12 Eylül 2022
- IV. **Late Quaternary paleoclimate and paleoenvironment changes in Lake Urmia, NW Iran**
Ertunç G., MOHAMMADI A., ÇİNER T. A., Lak R., BİLTEKİN D., YETEMEN Ö.
EGU General Assembly, Viyana, Avusturya, 23 Mayıs 2022
- V. **Late Quaternary paleoclimate and paleoenvironment changes in Lake Urmia, NW Iran; a multi-proxy approach derived from a 25 m sediment core**
Ertunç G., ÇİNER T. A., ERİŞ K. K., MOHAMMADI A., Lak R., BİLTEKİN D., YETEMEN Ö.
MeDGU 21, Türkiye, 25 Kasım 2021
- VI. **Urmiye Gölü'nün (KB İran) Geç Kuvatner paleoiklim ve paleoortam değişimleri**
Ertunç G., ERİŞ K. K., MOHAMMADI A., ÇİNER T. A., Lak R., BİLTEKİN D., YETEMEN Ö.
Sedimentoloji Çalışma Grubu 2020 Çalıştayı, Balıkesir, Türkiye, 02 Eylül 2021
- VII. **Queensland Townsville Floods in Australia in Feb 2019**
Yavuz V., Yetemen Ö., Deniz A.
ATMOS'19 (9. Atmosfer Bilimleri Sempozyumu), İstanbul, Türkiye, 23 - 26 Ekim 2019, ss.80-87
- VIII. **The spatio-temporal ndvi analysis for two different Australian catchments**
Kumari N., Yetemen Ö., Srivastava A., Rodriguez J. F., Saco P. M.
23rd International Congress on Modelling and Simulation - Supporting Evidence-Based Decision Making: The Role of Modelling and Simulation, MODSIM 2019, Canberra, Avustralya, 1 - 06 Aralık 2019, ss.958-964
- IX. **Aspect-controlled spatial and temporal soil moisture patterns across three different latitudes**
Srivastava A., Yetemen Ö., Kumari N., Saco P.
23rd International Congress on Modelling and Simulation - Supporting Evidence-Based Decision Making: The Role of Modelling and Simulation, MODSIM 2019, Canberra, Avustralya, 1 - 06 Aralık 2019, ss.979-985
- X. **Evolution of wetland monitoring from inventory to functional assessment and modelling: A case**

study from a US catchment

Yeo I., Lang M., Lee S., Huang C., Yetemen Ö.

22nd International Congress on Modelling and Simulation: Managing Cumulative Risks through Model-Based Processes, MODSIM 2017 - Held jointly with the 25th National Conference of the Australian Society for Operations Research and the DST Group led Defence Operations Research Symposium, DORS 2017, Hobart, Avustralya, 3 - 08 Aralık 2017, ss.1537-1543

Metrikler

Yayın: 53

Atıf (WoS): 330

Atıf (Scopus): 680

H-İndeks (WoS): 10

H-İndeks (Scopus): 15

Ödüller

Yetemen Ö., Outstanding Reviewer Award, Environmental Research Letters, Mart 2019

Yetemen Ö., Water Resources Research Editor's Choice Award, American Geophysical Union, Aralık 2016

Yetemen Ö., Farouk El-Baz Student Research Award, Geological Society Of America, Mayıs 2012