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International Researcher IDs

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Publons / Web Of Science ResearcherID: IZD-7065-2023

ScopusID: 57204675825

Education Information

Doctorate, Yıldız Technical University, Graduate School Of Natural And Applied Sciences, Harita Mühendisliği, Turkey
2017 - Continues

Postgraduate, Yıldız Technical University, Faculty Of Civil Engineering, Geomatic Engineering, Turkey 2014 - 2017

Undergraduate, Bülent Ecevit Üniversitesi, Mühendislik Fakültesi, Geomatik Mühendisliği, Turkey 2008 - 2013

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Postgraduate, Adrese Dayalı Coğrafi Kodlama İşleminde Kalite Araştırması, Yıldız Teknik Üniversitesi, Graduate School of Natural and Applied Sciences, Harita Mühendisliği, 2017

Research Areas

Cartography, Geotechnical Engineering, Geographic Information Systems, Map Projections, Map Design, Map Production, Computer Sciences, Artificial Intelligence, Computer Learning and Pattern Recognition, Computer Learning, Internet-GIS, Engineering and Technology

Academic Titles / Tasks

Research Assistant, Yıldız Technical University, Graduate School Of Natural And Applied Sciences, Geomatic Engineering, 2018 - Continues

Research Assistant, Firat University, Faculty Of Engineering, Geomatik Mühendisliği, 2018 - 2018

Research Assistant, Yıldız Technical University, Graduate School Of Natural And Applied Sciences, Geomatic Engineering, 2014 - 2018

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Machine learning approach for GNSS geodetic velocity estimation**
ÖZARPACI S., KILIÇ B., BAYRAK O. C., TAŞKIRAN M., DOĞAN U., Floyd M.
GPS Solutions, vol.28, no.2, 2024 (SCI-Expanded)
- II. **Unveiling the impact of machine learning algorithms on the quality of online geocoding services: a case study using COVID-19 data**
Kılıç B., Bayrak O. C., Gülgen F., Gürtürk M., Abay P.
Journal of Geographical Systems, 2024 (SSCI)
- III. **Effects of reverse geocoding on OpenStreetMap tag quality assessment**
Kılıç B., Hacı M., Gülgen F.
TRANSACTIONS IN GIS, vol.27, no.5, pp.1599-1613, 2023 (SSCI)
- IV. **Evaluating the effects of soil data quality on the SWAT runoff prediction Performance; A case study of Saz-Cayırova catchment, Turkey**
Oruç H. N., Çelen M., GÜLGEN F., Öncel M. S., Vural S., KILIÇ B.
Urban Water Journal, vol.20, no.10, pp.1592-1607, 2023 (SCI-Expanded)
- V. **Comparative analysis of the optimum cluster number determination algorithms in clustering GPS velocities**
ÖZARPACI S., KILIÇ B., BAYRAK O. C., ÖZDEMİR A., YILMAZ Y., Floyd M.
Geophysical Journal International, vol.232, no.1, pp.70-80, 2023 (SCI-Expanded)
- VI. **Ensemble Clustering in GPS Velocities: A Case Study of Turkey**
Kılıç B., Özarpacı S.
APPLIED SCIENCES, vol.12, no.24, pp.1-19, 2022 (SCI-Expanded)
- VII. **Investigating the quality of reverse geocoding services using text similarity techniques and logistic regression analysis**
Kılıç B., Gülgen F.
Cartography and Geographic Information Science, vol.47, no.4, pp.336-349, 2020 (SSCI)
- VIII. **Analyzing OpenStreetMap Road Data and Characterizing the Behavior of Contributors in Ankara, Turkey**
Hacı M., Kılıç B., Şahbaz K.
ISPRS INTERNATIONAL JOURNAL OF GEO-INFORMATION, vol.7, 2018 (SCI-Expanded)

Articles Published in Other Journals

- I. **From clustering to ensemble clustering in GNSS velocities: A Meta Clustering-based approach**
Özarpacı S., Kılıç B., Köküm M., Doğan U.
Gümüşhane Üniversitesi Fen Bilimleri Dergisi, vol.13, no.3, pp.661-674, 2023 (Peer-Reviewed Journal)
- II. **COVID-19 hastalarının izlenmesinde çevrimiçi coğrafi kodlama servislerinin karşılaştırmalı analizi**
KILIÇ B., GÜLGEN F., KOCATAŞ A., GÜRTÜRK M., ABAY P., YILMAZ Y., ANATACA G.
Journal of Geodesy and Geoinformation, vol.9, no.2, pp.95-107, 2022 (Peer-Reviewed Journal)
- III. **Morphometric Analysis of Saz-Çayırova Drainage Basin using Geographic Information Systems and Different Digital Elevation Models**
Kılıç B., Gülgen F., Çelen M., Öncel M. S., Oruç H. N., Vural S.
International Journal of Environment and Geoinformatics, vol.9, no.2, pp.177-186, 2022 (Peer-Reviewed Journal)
- IV. **ACCURACY AND SIMILARITY ASPECTS IN ONLINE GEOCODING SERVICES: A COMPARATIVE EVALUATION FOR GOOGLE AND BING MAPS**
Kılıç B., Gülgen F.
INTERNATIONAL JOURNAL OF ENGINEERING AND GEOSCIENCES, vol.5, pp.109-119, 2020 (ESCI)
- V. **Türkiye’de Kullanılan Posta Adres Bilgilerinde Uyum Düzeylerinin Belirlenmesi**
KILIÇ B., GÜLGEN F.
Harita Dergisi, vol.85, no.161, pp.26-34, 2019 (Peer-Reviewed Journal)

Books & Book Chapters

I. A Model for Tracking the Amount and the Yield of Agricultural Product Using GIS

Karabulut M. F., Kılıç B., Yılmaz Y., Gülgen F.

in: Contemporary Studies in Environment and Tourism, Efe R., Öztürk M., Editor, Cambridge Scholars Publishing, Newcastle Upon Tyne, pp.499-506, 2017

Refereed Congress / Symposium Publications in Proceedings

I. Şubat 2023 Depremlerinin Bölgede Oluşturduğu Etkiler ve Yapay Zeka ile Afet Yönetim Planlaması

Doğan U., Yüzer N., Acar U., Akbaba M. F., Akbulut M. T., Akgün C., Akın O., Akkaya H. C., Akpınar B., Aktaş Z., et al.
Türkiye Ulusal Jeodezi Komisyonu (TUJK) XXII. Sempozyumu 2023, Trabzon, Turkey, 29 November - 01 December 2023, pp.5-6

II. NMF-based ensemble clustering for GNSS velocity field: tectonic insights

Özarpacı S., Kılıç B.

6th Intercontinental Geoinformation Days (IGD), Baku, Azerbaijan, 13 - 14 June 2023, vol.6, pp.207-210

III. Investigation the performance of ensemble clustering techniques in latest GPS velocity field of Turkey

Kılıç B., Özarpacı S., Yılmaz Y.

EGU23, Vienna, Austria, 23 - 28 April 2023, pp.1

IV. Sanayi Baskısı Altında Bulunan Akarsularda Hidromorfolojik Değişim Düzeylerinin Coğrafi Bilgi Bilimi ve Teknolojisi Kullanılarak Belirlenmesi: Çayırova-Saz Deresi örneği

Gülgen F., Kılıç B., Çelen M., Oruç H. N., Vural S., Öncel M. S., Engin G., Karpuzcu M., Balık Şanlı F.

TMMOB 7. Coğrafi Bilgi Sistemleri Kongresi, Ankara, Turkey, 3 - 05 October 2022, pp.1-4

V. Enerji Nakil Hat Güzergâhlarının Belirlenmesinde Karar Destek Sistemlerinin Rolü

Selen O., Kılıç B., Gülgen F.

XI. TÜRKİYE ULUSAL FOTOGRAMETRİ VE UZAKTAN ALGILAMA BİRLİĞİ TEKNİK SEMPOZYUMU, Mersin, Turkey, 12 - 14 May 2022, pp.42

VI. Determination of Primary Surface Water Pollution Indicators by Multivariate Statistical Techniques in an Industrialized Basin

ORUÇ H. N., ÖNCEL M. S., ENGİN G., GÜLGEN F., KARPUZCU M., VURAL S., KILIÇ B., ÇELEN M.

7th International Conference on Geotechnical Research and Engineering (ICGRE'22), LİZBON, Portugal, 10 - 12 April 2022, no.166, pp.1-12

VII. The role of topographic maps in river hydromorphology

KILIÇ B., GÜLGEN F., ÇELEN M., ÖNCEL M. S., ORUÇ H. N., VURAL S.

30th International Cartographic Conference (ICC 2021), FLORANSA, Italy, 14 - 18 December 2021, vol.3, no.149, pp.1-2

VIII. Comparing the basin morphometric parameters derived from freely available DEMs and topographic dataset: A case study of Saz-Çayırova basin, Turkey

Kılıç B., Gülgen F., Çelen M., Öncel M. S., Oruç H. N., Vural S.

International Symposium on Applied Geoinformatics (ISAG2021), Riga, Latvia, 02 December 2021

IX. Sensitivity of the SWAT Model to Soil Data Parameterization; Case Study in Saz - Çayırova Stream, Turkey

Oruç H. N., Çelen M., Gülgen F., Öncel M. S., Vural S., Kılıç B.

5th EurAsia Waste Management Symposium, İstanbul, Turkey, 26 - 28 October 2020, pp.503-513

X. Derin Öğrenme ile Obje Tanıma İşlemi Üzerine Bir İnceleme

Bayram B., Kılıç B., Özoğlu F., Erdem F., Sivri S., Delen A., Bayrak O. C.

10. Türkiye Ulusal Fotogrametri ve Uzaktan Algılama Birliği Teknik Sempozyumu (TUFUAB 2019), Aksaray, Turkey, 25 April 2019, pp.304-308

XI. Accessibility Analysis of Street Networks Using Space Syntax

Öztürk Ö., Gülgen F., Kılıç B.

7th International Conference on Cartography & GIS, Burgas, Bulgaria, 18 - 23 June 2018, vol.1, pp.352-360

XII. An Algorithm Determining the Front Edge of Buildings to Place POIs

Gülgen F., Kılıç B., Öztürk Ö.

7th International Conference on Cartography & GIS, Burgas, Bulgaria, 18 - 23 June 2018, vol.1, pp.376-383

XIII. EXAMININIG THE SIMILARITY OF POSTAL ADDRESS COMPONENTS IN TURKEY

Kılıç B., Gülgen F., Öztürk Hacı Ö.

7th International Conference on Cartography and GIS, Sozopol, Bulgaria, 18 - 23 June 2018, pp.401-407

XIV. A Research on Standard Address Usage in Turkey

Kılıç B., Gülgen F.

UCTEA International Geographical Information Systems Congress 2017, Adana, Turkey, 15 - 18 November 2017, pp.149-153

XV. Comparing the Performance of Reverse Geocoding Services: Google and Bing Maps

Kılıç B., Gülgen F.

INTERNATIONAL SYMPOSIUM ON GIS APPLICATIONS IN GEOGRAPHY GEOSCIENCES, Çanakkale, Turkey, 18 - 21 October 2017, pp.155-161

XVI. Address Standardization for Geocoding

Kılıç B., Gülgen F.

TMMOB Harita ve Kadastro Mühendisleri Odası, 16. Türkiye Harita Bilimsel ve Teknik Kurultayı, Ankara, Turkey, 03 May 2017, pp.1-4

XVII. A Model Proposal on Standardization of Address Data for Geocoding

Kılıç B., Gülgen F.

Dünya CBS Günü 2016, İstanbul, Turkey, 24 November 2016, pp.54

XVIII. Performing Local Accuracy Functions Using Web Based Online GPS Process Services Application to Spain

Yılmaz Y., Saraçoğlu A., Karabulut M. F., Kılıç B., Doğan A. H.

Selçuk International Scientific Conference on Applied Sciences, Antalya, Turkey, 27 September 2016, pp.1

XIX. Tarımsal Ürün Miktarının ve Verim Tahminlerinin CBS ile Takip Edilmesine Yönelik Bir Model Önerisi

Karabulut M. F., Kılıç B., Yılmaz Y., Gülgen F.

4th International Geography Symposium, Antalya, Turkey, 23 May 2016, pp.87

Supported Projects

OKTAY D., YÜZER N., GÜLGEN F., CANPOLAT O., ACAR U., SARI ERKAN H., ÖZDOĞRU E., ÖZEN Ö. C., KARA N., AKTÜRK B., et al, Project Supported by Higher Education Institutions, Müsilajdan Elde Edilecek Bakteriler ile Kendi Kendini Onaran Nano Kil Katkılı Geopolimer Malzemelerin 3B Baskı Yöntemi ile Üretilirliğinin Araştırılması, 2024 - Continues
Yüzer N., Yardım M. S., Turgut S., Yılmaz Genç S., Dikçinar Sel B., Erdem Okumuş D., Kılıç B., Özarpacı S., Bayrak O. C., Sakarya A., et al, Project Supported by Higher Education Institutions, Şubat 2023 Depremlerinin Bölgede Oluşturduğu Etkiler ve Yapay Zeka ile Afet Yönetim Planlaması, 2023 - 2024

Gülgen F., Çelen M., TUBITAK Project, Developing Solution Suggestions by Researching the Basic Nutrient Sources Triggering the Formation of Marine Mucilage in Two Different Basin Characteristics, 2021 - 2022

Gülgen F., Çelen M., Öncel M. S., Balık Şanlı F., Karpuzcu M., Engin G., TUBITAK Project, Investigation of Hydromorphological Modification Levels in Water Resources by Using Geographical Information Science and Technology and Development of a Decision Support Tool: Çayırova-Saz Stream, 2019 - 2022

Tuzkaya U. R., Gülgen F., Kılıç B., Project Supported by Other Official Institutions, Istanbul Logistic Master Plan, 2015 - 2019

Scientific Refereeing

IEEE ACCESS, Journal Indexed in SCI-E, April 2024
INFORMATION & SOFTWARE TECHNOLOGY, Journal Indexed in SCI-E, December 2023
IEEE ACCESS, Journal Indexed in SCI-E, December 2023
IEEE ACCESS, Journal Indexed in SCI-E, November 2023
IEEE ACCESS, Journal Indexed in SCI-E, October 2023
IEEE ACCESS, Journal Indexed in SCI-E, October 2023
IEEE ACCESS, Journal Indexed in SCI-E, September 2023
International Journal of Engineering and Geosciences, Journal Indexed in ESCI, March 2021
Geosfera Indonesia, Other Indexed Journal, June 2020
Geomatik, National Scientific Refreed Journal, May 2020

Scientific Consultations

Yıldız Teknoloji Transfer Ofisi A.Ş., Scientific Consultancy, Yıldız Technical University, Graduate School Of Natural And Applied Sciences, Geomatic Engineering, Turkey, 2018 - 2018
Yıldız Teknoloji Transfer Ofisi A.Ş., Scientific Consultancy, Yıldız Technical University, Graduate School Of Natural And Applied Sciences, Geomatic Engineering, Turkey, 2017 - 2018
Yıldız Teknoloji Transfer Ofisi A.Ş., Scientific Consultancy, Yıldız Technical University, Graduate School Of Natural And Applied Sciences, Geomatic Engineering, Turkey, 2016 - 2017
Yıldız Teknoloji Transfer Ofisi A.Ş., Scientific Consultancy, Yıldız Technical University, Graduate School Of Natural And Applied Sciences, Geomatic Engineering, Turkey, 2015 - 2016

Tasks In Event Organizations

Doğan U., Ersoy Ş., Akpınar B., Aydın C., Şanlı D. U., Aykut N. O., Öz Demir D., Özarpacı S., Kılıç B., Özdemir A., et al., ATAG-25 Aktif Tektonik Araştırma Grubu 25. Çalıştayı, Scientific Congress, İstanbul, Turkey, Aralık 2022

Metrics

Publication: 35
Citation (WoS): 19
Citation (Scopus): 15
H-Index (WoS): 2
H-Index (Scopus): 2

Congress and Symposium Activities

ATAG-25 Aktif Tektonik Araştırma Grubu 25. Çalıştayı, Working Group, İstanbul, Turkey, 2022
TMMOB 7. Coğrafi Bilgi Sistemleri Kongresi, Attendee, Ankara, Turkey, 2022
XI. Türkiye Ulusal Fotogrametri ve Uzaktan Algılama Birliği (TUFUAB) Teknik Sempozyumu, Attendee, Mersin, Turkey, 2022
30th International Cartographic Conference, Attendee, Florence, Italy, 2021
International Symposium on Applied Geoinformatics (ISAG2021), Attendee, Riga, Latvia, 2021
1st Mediterranean Geosciences Union (MedGU-21), Attendee, İstanbul, Turkey, 2021
18. TÜRKİYE HARİTA BİLİMSEL VE TEKNİK KURULTAYI, Attendee, Ankara, Turkey, 2021
5th EurAsia Waste Management Symposium, Attendee, İstanbul, Turkey, 2020
International Symposium on Applied Geoinformatics (ISAG), Working Group, İstanbul, Turkey, 2019
7th International Conference on Cartography & GIS, Attendee, Burgas, Bulgaria, 2018

UCTEA International Geographical Information Systems Congress, Attendee, Adana, Turkey, 2017
International Symposium on GIS Applications in Geography & Geosciences, Attendee, Çanakkale, Turkey, 2017
Türkiye Harita Bilimsel ve Teknik Kurultayı, Attendee, Ankara, Turkey, 2017
Dünya CBS Günü, Attendee, İstanbul, Turkey, 2016
Türkiye Ulusal Jeodezi Komisyonu (TUJK) Çalıştayı, Attendee, İstanbul, Turkey, 2016

Awards

KILIÇ B., Award for the Best Poster Presentation, Selçuk International Scientific Conference on Applied Sciences, September 2016