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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 - 2024

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

Doctorate, Monitoring Changes in River Hydromorphology using an Interdisciplinary Approach: The Case Study of Saz-Çayırova Stream, Yıldız Technical University, Graduate School Of Natural And Applied Sciences, -, 2024

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 - 2024

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. **Comparative Evaluation of Multi-Criteria Decision Making Methods for River Hydromorphology Assessment: Case Study of the Saz-Çayırova Basin, Türkiye**
Kılıç B., Gülgen F., Çelen M.
RIVERS RESEARCH AND APPLICATIONS : AN INTERNATIONAL JOURNAL DEVOTED TO RIVER RESEARCH AND MANAGEMENT, vol.1, no.1, pp.1-21, 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, vol.26, no.4, pp.601-622, 2024 (SSCI)
- III. **Explainability in wind farm planning: A machine learning framework for automatic site selection of wind farms**
Bilgili A., Arda T., Kılıç B.
ENERGY CONVERSION AND MANAGEMENT, vol.309, pp.1-21, 2024 (SCI-Expanded)
- IV. **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)
- V. **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)
- VI. **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)
- VII. **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)
- VIII. **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)
- IX. **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)
- X. **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. A deep learning integrated mobile application for historic landmark recognition: A case study of Istanbul

Bayram B., Kılıç B., Ozoglu F., Erdem ., Bakirman T., Sivri S., Bayrak O. C., Delen A.

Mersin Photogrammetry Journal, vol.2, no.2, pp.38-50, 2020 (Peer-Reviewed Journal)

V. 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)

VI. 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., KILIÇ B., GÜLGEN F.

XI. TÜRKİYE ULUSAL FOTOGRAFETRİ VE UZAKTAN ALGILAMA BİRLİĞİ TEKNİK SEMPOZYUMU, Mersin, Turkey, 12 - 14 May 2022, pp.37-41

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), LÍZBON, 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., Bilgi S., 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. **EXAMINING 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., YEŞİLYURT İ., UYSAL M., YÜZER N., GÜLGEN F., CANPOLAT O., ACAR U., SARI ERKAN H., ÖZDOĞRU E., ÖZEN Ö.

C., 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 Üretilebilirliğinin Araştırılması, 2024 - Continues

Uzar A. M., Musaoğlu N., Kılıç B., Bayrak O. C., Bilgili A., Arda T., TUBITAK Project, Using Generative Artificial Intelligence Models for Damage Assessment in a Possible Istanbul Earthquake and Deriving Information for Post-Disaster Activity Planning through Integration with Geographic Information Systems, 2024 - 2026

Yüzer N., Yardım M. S., Turgut S., Yılmaz Genç S., Dikçınar 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

Ünveren B., Gökğöz T., Teke Ö., Doygun E., Tok A., TUBITAK Project, 1874 İstanbul Emlak Tahririnin Kliometrik Bir Analizi, 2022 - 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, İstanbul Logistic Master Plan, 2015 - 2019

Scientific Refereeing

IEEE ACCESS, Journal Indexed in SCI-E, December 2024

GEOINFORMATICA AN INTERNATIONAL JOURNAL ON ADVANCES OF COMPUTER SCIENCE FOR GEOGRAPHIC INFORMATION SYSTEMS, Journal Indexed in SCI-E, December 2024

IEEE ACCESS, Journal Indexed in SCI-E, December 2024

Journal of Big Data, Journal Indexed in SCI-E, December 2024

ADVANCES IN GEODESY AND GEOINFORMATION, Journal Indexed in ESCI, December 2024

ADVANCES IN GEODESY AND GEOINFORMATION, Journal Indexed in ESCI, October 2024

IEEE ACCESS, Journal Indexed in SCI-E, October 2024

IEEE ACCESS, Journal Indexed in SCI-E, October 2024

IEEE ACCESS, Journal Indexed in SCI-E, October 2024

INTERNATIONAL JOURNAL OF GEOGRAPHICAL INFORMATION SCIENCE, Journal Indexed in SSCI, October 2024

IEEE ACCESS, Journal Indexed in SCI-E, September 2024

ENERGY STRATEGY REVIEWS, Journal Indexed in SCI-E, September 2024

Türkiye Uzaktan Algılama Dergisi, National Scientific Refreed Journal, September 2024

IEEE ACCESS, Journal Indexed in SCI-E, September 2024

IEEE ACCESS, Journal Indexed in SCI-E, September 2024

INTERNATIONAL JOURNAL OF ENGINEERING AND GEOSCIENCES, Journal Indexed in ESCI, September 2024

IEEE ACCESS, Journal Indexed in SCI-E, September 2024

IEEE ACCESS, Journal Indexed in SCI-E, September 2024

INTERNATIONAL JOURNAL OF REMOTE SENSING, Journal Indexed in SCI-E, September 2024

IEEE ACCESS, Journal Indexed in SCI-E, August 2024

IEEE ACCESS, Journal Indexed in SCI-E, August 2024

IEEE ACCESS, Journal Indexed in SCI-E, August 2024

IEEE ACCESS, Journal Indexed in SCI-E, July 2024

IEEE ACCESS, Journal Indexed in SCI-E, July 2024

IEEE ACCESS, Journal Indexed in SCI-E, July 2024

ENERGY STRATEGY REVIEWS, Journal Indexed in SCI-E, July 2024

IEEE ACCESS, Journal Indexed in SCI-E, June 2024

ENERGY STRATEGY REVIEWS, Journal Indexed in SCI-E, June 2024

IEEE ACCESS, Journal Indexed in SCI-E, June 2024

IEEE ACCESS, Journal Indexed in SCI-E, May 2024
IEEE ACCESS, Journal Indexed in SCI-E, May 2024
IEEE ACCESS, Journal Indexed in SCI-E, April 2024
IEEE ACCESS, Journal Indexed in SCI-E, March 2024
IEEE ACCESS, Journal Indexed in SCI-E, December 2023
INFORMATION & SOFTWARE TECHNOLOGY, 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: 37
Citation (WoS): 19
Citation (Scopus): 37
H-Index (WoS): 2
H-Index (Scopus): 4

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