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International Researcher IDs

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Publons / Web Of Science ResearcherID: L-8661-2015

ScopusID: 55970956300

Yoksis Researcher ID: 298451

Research Areas

Hydrology-Hydrometeorology, Environmental Chemistry, Water Pollution and Control, Water and Air Resources Management, Remote sensing, Ore Deposits-Geochemistry, Applied Geochemistry, Mineral Exploration Geology, Metallic Mineral Deposits, Hydrogeology and Hidrology

Academic Titles / Tasks

Associate Professor, Istanbul Technical University, Maden, Jeoloji Mühendisliği, 2022 - Continues

Medical Doctor, Istanbul Technical University, Maden, Jeoloji Mühendisliği, 2017 - 2022

Courses

Hyperspectral remote sensing for mineral exploration, Postgraduate

Remote Sensing, Undergraduate

Hyperspectral Satellite Remote Sensing of Water Quality , Doctorate

Using of Remote Sensing Methods in Mining Research, Postgraduate

Digital Image Processing in Remote Sensing, Undergraduate, 2020 - 2021

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **High Cadence Monitoring of Reservoir Volume Fluctuations Using PlanetScope Imagery**
Karaman M.
Journal of Hydrology, vol.606, 2022 (SCI-Expanded)
- II. **Comparative assessment of remote sensing-based water dynamic in a dam lake using a combination of Sentinel-2 data and digital elevation model.**
Karaman M., Özelkan E.
Environmental monitoring and assessment, vol.194, no.2, pp.92, 2022 (SCI-Expanded)
- III. **Delineation of the porphyry-skarn mineralized zones (NW Turkey) using concentration-volume fractal model**

Karaman M., Kumral M., Yildirim D. K. , Doner Z., Afzal P., Abdelnasser A.

GEOCHEMISTRY, vol.81, no.4, 2021 (SCI-Expanded)

- IV. **Comparison of thresholding methods for shoreline extraction from Sentinel-2 and Landsat-8 imagery: Extreme Lake Salda, track of Mars on Earth**
Karaman M.
JOURNAL OF ENVIRONMENTAL MANAGEMENT, vol.298, 2021 (SCI-Expanded)
- V. **Hydrothermal alteration mapping using EO-1 Hyperion hyperspectral data in Kösedag, Central-Eastern Anatolia (Sivas-Turkey)**
CANBAZ O., GÜRSOY Ö., Karaman M., Çalıřkan A. B. , Gökce A.
Arabian Journal of Geosciences, vol.14, no.21, 2021 (SCI-Expanded)
- VI. **REE geochemical characteristics and satellite-based mapping of hydrothermal alteration in Atud gold deposit, Egypt**
Abdelnasser A., Kumral M., Zoheir B., Karaman M., Weihed P.
Journal of African Earth Sciences, vol.145, pp.317-330, 2018 (SCI-Expanded)
- VII. **Risk assessment of trace metals in an extreme environment sediment: shallow, hypersaline, alkaline, and industrial Lake Acigöl, Denizli, Turkey**
Budakođlu M., Karaman M., Kumral M., Zeytuncu B., Döner Z., Yildirim D., TAŐDELEN S., BÜLBÜL A., Gumus L.
Environmental Monitoring and Assessment, vol.190, no.3, 2018 (SCI-Expanded)
- VIII. **The rare earth element geochemistry on surface sediments, shallow cores and lithological units of Lake Acigöl basin, Denizli, Turkey**
Budakođlu M., Abdelnasser A., Karaman M., Kumral M.
Journal of Asian Earth Sciences, vol.111, pp.632-662, 2015 (SCI-Expanded)
- IX. **Investigation of grapevine photosynthesis using hyperspectral techniques and development of hyperspectral band ratio indices sensitive to photosynthesis**
Ozelkan E., Karaman M., Candar S., Coskun Z., Ormeci C.
JOURNAL OF ENVIRONMENTAL BIOLOGY, vol.36, no.1, pp.91-100, 2015 (SCI-Expanded)
- X. **Determination of seasonal changes in wetlands using CHRIS/Proba Hyperspectral satellite images: A case study from Acigöl (Denizli), Turkey**
Karaman M., Budakođlu M., Uca Avci Z. D. , Ozelkan E., Bulbul A., Civas M., Tasdelen S.
Journal of Environmental Biology, vol.36, no.1, pp.73-83, 2015 (SCI-Expanded)
- XI. **Derivation of PM10 levels using obra on landsat 5 TM images: A case study in Izmir, Turkey**
Ozelkan E., Karaman M., Mostamandy S., Avci Z. D. U. , Toros H.
Fresenius Environmental Bulletin, vol.24, pp.1585-1596, 2015 (SCI-Expanded)
- XII. **OBIA based hierarchical image classification for industrial lake water**
Avci Z. D. U. , KARAMAN M., OZELKAN E., Kumral M., Budakođlu M.
SCIENCE OF THE TOTAL ENVIRONMENT, vol.487, pp.565-573, 2014 (SCI-Expanded)
- XIII. **Archaeal Microbial Diversity of Hypersaline Lake Acigöl, Denizli, Turkey**
Budakođlu M., KURT H., KARAMAN M., KUMRU M., Kumral M., AKARUBASI A. T.
Geomicrobiology Journal, vol.31, no.6, pp.454-460, 2014 (SCI-Expanded)

Articles Published in Other Journals

- I. **Geology and Geochemistry of Copper Mineralization of Volcanic Rocks Due to Quartz Veins in Western Part of Almus (TOKAT-TURKEY)**
YALÇIN C., KUMRAL M., KAYA M., KARAMAN M.
Avrupa Bilim ve Teknoloji Dergisi, vol.34, pp.5-9, 2022 (Peer-Reviewed Journal)
- II. **Optimal Band Combinations for Determining Graphite Mineralizations from Sentinel-2 Satellite Images**
Karaman M.
Avrupa Bilim ve Teknoloji Dergisi, no.25, pp.749-757, 2021 (Peer-Reviewed Journal)

- III. **Deep Learning Based Single Image Super-Resolution Experiments on Landsat Satellite Images**
Çiftçi S., Karaman M.
Harran University Journal of Engineering, vol.5, no.3, pp.194-204, 2020 (Peer-Reviewed Journal)
- IV. **Investigation of the Effect of Drought on Temporal Change in Wetlands Determined by Remote Sensing: The Case Study in Umurbey Delta (Çanakkale)**
Çakaröz D., Özelkan E., Karaman M.
Avrupa Bilim ve Teknoloji Dergisi, no.20, pp.898-916, 2020 (Peer-Reviewed Journal)
- V. **Evaluation of the Relationship between Land Surface Temperature Derived from Thermal Satellite Images and Air Temperature**
Türkyılmaz M., Özelkan E., Karaman M.
Avrupa Bilim ve Teknoloji Dergisi, no.20, pp.932-948, 2020 (Peer-Reviewed Journal)
- VI. **Hyperspectral Analysis of Grapevine Water Stress**
Özelkan E., Karaman M., Candar S., Özelkan E. C. , Örmeci C.
ÇOMÜ Ziraat Fakültesi Dergisi, vol.2020, no.8, pp.475-489, 2020 (Peer-Reviewed Journal)
- VII. **Hasenekevleri (Maden-Elazığ) Güneyindeki Diyarbakırlarda Gelişen Hidrotermal Cu Cevherleşmesinin Jeolojisi ve Alterasyon Jeokimyası**
YALÇIN C., KUMRAL M., KAYA M., KARAMAN M.
Bitlis Eren Üniversitesi Fen Bilimleri Dergisi, vol.9, no.3, pp.1282-1296, 2020 (Peer-Reviewed Journal)
- VIII. **Rare Earth Element Geochemistry Of Sarıveliler (Karaman) Fluorites Related To Carbonate Rocks in Middle Taurus**
Uras Y., Yalçın C., İncediş Y., Karaman M.
Firat Üniversitesi Mühendislik Bilimleri Dergisi, vol.31, no.2, pp.519-528, 2019 (Peer-Reviewed Journal)
- IX. **ALADAĞ BİRLİĞİ (ÇAYARASI-ALANYA) İÇERİSİNDE KARBONATLI KAYAÇLAR İLE İLİŞKİLİ BARİTLİ Zn-Pb CEVHERLEŞMESİNİN JEOLJİSİ VE JEOKİMYASI**
Gümüş L., KUMRAL M., YALÇIN C., KAYA M., ÜNLÜER A. T. , ÖZTÜRK S., KARAMAN M.
ENGINEERING SCIENCES, vol.7, no.3, pp.1209-1213, 2018 (Peer-Reviewed Journal)
- X. **Influence of Basin Hydrogeology in the Detectability of Narrow Rivers by Sentinel2-A Satellite Images: A Case Study in Karamenderes (Çanakkale)**
Karaman M., Özelkan E., Taşdelen S.
Doğal Afetler ve Çevre Dergisi, vol.4, no.2, pp.140-155, 2018 (Peer-Reviewed Journal)
- XI. **THE ANALYSIS OF THE EFFECT OF METEOROLOGICAL AND HYDROLOGICAL DROUGHT ON DAM LAKE VIA MULTITEMPORAL SATELLITE IMAGES: A CASE STUDY IN ATIKHİSAR DAM LAKE (ÇANAKKALE)**
Özelkan E., Karaman M.
Ömer Halisdemir Üniversitesi Mühendislik Bilimleri Dergisi, vol.7, no.2, pp.1023-1037, 2018 (Peer-Reviewed Journal)

Books & Book Chapters

- I. **EVALUATION OF THE HYDRO-METEOROLOGICAL DROUGHT INFLUENCE ON "LAKE AREA BY REMOTE SENSING"**
Karaman M., Özelkan E.
in: Impact of Climate Change on Agriculture, Arda Akçal, Gökhan Çamoğlu, Sibel Tan, Editor, Holistence, Çanakkale, pp.19-36, 2021
- II. **Kent Alanlarının CBS Ortamında Hidrometeorolojik Değerlendirmesi**
Karaman M., Özelkan E.
in: Değişen ve Gelişen Laspeki Kentsel Altyapısı, Alper Sağlık, Editor, Çanakkale Onsekiz Mart Üniversitesi, Çanakkale, pp.97-109, 2018
- III. **Usability of satellite images in monitoring mining activities, the example of Kaz Mountains, Environment and Ecology in the Mediterranean Region**
Özelkan E., Karaman M., Uça Avcı Z. D.

Refereed Congress / Symposium Publications in Proceedings

- I. **Geology and Geochemistry of Copper Mineralization of Volcanic Rocks Due to Quartz Veins in Western Part of Almus (TOKAT-TURKEY)**
YALÇIN C., KUMRAL M., KAYA M., KARAMAN M.
2st International Conference on Applied Engineering and Natural Sciences (ICAENS 2022), Konya, Turkey, 10 - 13 March 2022
- II. **İlksel Verilere Göre Hasanekevlere (Maden-Elazığ) Civarında Gözlenen Cu-Au-Zn Anomalilerinin Mekansal Dağılımı**
YALÇIN C., KARAMAN M., KAYA M., KUMRAL M.
2nd. International Symposium of Scientific Research and Innovative Studies, Bandırma, Turkey, 02 March 2022
- III. **Maden Kompleksine ait Fay Zonlarında (Hasanekevlere-Elazığ) Gözlenen Cu-Zn Cevherleşmesinin Jeolojik ve Mikrotermometrik Özellikleri**
YALÇIN C., KAYA M., KARAMAN M., KUMRAL M.
1st International Conference on Applied Engineering and Natural Sciences (ICAENS 2021), Konya, Turkey, 01 November 2021
- IV. **Hasanekevlere (Maden-Elazığ) Güneyindeki Cu Zenginleşmesinin Jeolojisi**
YALÇIN C., KUMRAL M., KAYA M., KARAMAN M., AYDIN M.
Uluslararası Katılımlı 72. Türkiye Jeoloji Kurultayı, Ankara, Turkey, 28 January 2019
- V. **Preliminary Findings on Bariteed Lead-Zinc Mineralization in The Northwest Part of The Çayarası (Aladağ Unit)**
Gümüş L., KUMRAL M., YALÇIN C., KAYA M., ÜNLÜER A. T. , ÖZTÜRK S., KARAMAN M.
Uluslararası katılımlı Kapadokya Yerbilimleri Sempozyumu, Niğde, Turkey, 24 October 2018
- VI. **PRELIMINARY FINDINGS OF Ni ANOMALIES OBSERVED IN METAMORPHIC ROCKS OF EASTERN KARGI (TAVSANTEPE)**
KUMRAL M., YALÇIN C., KAYA M., AYDOĞAN M. S. , BUDAKOĞLU M., ÖZTÜRK S., KARAMAN M.
Uluslararası katılımlı Kapadokya Yerbilimleri Sempozyumu, Niğde, Turkey, 24 October 2018
- VII. **Fluid Inclusion Characterization Of Vein-Type Hydrothermal Cu-Zn Mineralization On Kargı Ophiolitic Melange**
YALÇIN C., KUMRAL M., KAYA M., KARAMAN M.
1st International Symposium on Graduate Research in Science Focus on Entrepreneurship and Innovation (ISGRS 2018), İstanbul, Turkey, 04 October 2018
- VIII. **Yastık Yapılı Bazaltlardaki Yüksek Manyetizma Karakterinin Coğrafi Bilgi Sistemleri (CBS) Tabanlı Coğrafi Ağırlıklandırılmış Regresyon (GWR) Modeli İle Yorumlanması: Kargı Doğusu (Çorum) Örneği**
KAYA M., YALÇIN C., KARAMAN M., KUMRAL M.
8. Jeokimya Sempozyumu / 8. Geochemistry Symposium, Antalya, Turkey, 02 May 2018
- IX. **Multiscale fourier domain fusion technique for remotely sensed spot images**
PAPILA I., Uça Avcı Z. D. , KARAMAN M., OZELKAN E., Kent S.
34th International Symposium on Remote Sensing of Environment - The GEOSS Era: Towards Operational Environmental Monitoring, Sydney, Australia, 10 - 15 April 2011
- X. **Drought determination by using land surface temperature and normalized difference vegetation index**
Ozelkan E., Papila I., Uca Avcı D., Karaman M.
34th International Symposium on Remote Sensing of Environment - The GEOSS Era: Towards Operational Environmental Monitoring, Sydney, Australia, 10 - 15 April 2011
- XI. **The analysis of destruction in flamingo habitat of acigol wetland**
Karaman M., Uca Avcı Z., Papila I., Ozelkan E.

34th International Symposium on Remote Sensing of Environment - The GEOSS Era: Towards Operational Environmental Monitoring, Sydney, Australia, 10 - 15 April 2011

- XII. **A comparison of pixel-based and object-based classification methods, a case study: Istanbul, Turkey**
Uca Avci Z., Karaman M., Ozelkan E., Papila I.

34th International Symposium on Remote Sensing of Environment - The GEOSS Era: Towards Operational Environmental Monitoring, Sydney, Australia, 10 - 15 April 2011

- XIII. **Determination of the Forest Fire Potential by Using Remote Sensing and Geographical Information System, Case Study-Bodrum/Turkey**

Özelkan E., Örmeci C., Karaman M.

Advances in Remote Sensing and GIS applications in Forest Fire Management: from local to global assessments, Milan, Italy, 20 - 21 October 2011, pp.51-55

- XIV. **Investigation on draining of the Lake Amik and the related environmental changes, by using remote sensing technology**

Özelkan E., Uca Avci Z. D. , Karaman M.

31st EARSeL Symposium "Remote Sensing and Geoinformation not only for Scientific Cooperation", Praha, Czech Republic, 30 May - 02 June 2011, vol.30, pp.20-29

- XV. **Use of remote sensing in determining the environmental effects of open pit mining and monitoring the recultivation process**

Uca Avci Z. D. , Karaman M., Özelkan E.

22nd International Mining Congress and Exhibition of Turkey, IMCET 2011, Ankara, Turkey, 11 - 13 May 2011, pp.437-442

Supported Projects

Karaman M., YALÇIN C., Kaya M., Kumral M., Project Supported by Higher Education Institutions, Maden Karmaşığı'nda (Elazığ) Diyabazlarda Gözlenen Cu-Zn Cevherleşmesinin Kökeni Yapısal İlişkisi ve Spektral Özellikleri, 2021 - Continues

Özelkan E., Karaman M., Project Supported by Higher Education Institutions, Coğrafi Bilgi Sistemleri Kullanarak Sel ve Taşkın Alanlarının İncelenmesi Karamenderes Havzası Örneği, 2020 - 2022

Kumral M., HANILÇI N., Karaman M., Kocatürk H., ABDELNASSER A., Project Supported by Higher Education Institutions, Nahcivan Özerk Bölgesinde Bulunan Porfiri Cu-Mo-Au Yatağının Kökensel İncelenmesi, 2014 - 2020

Karaman M., Taşdelen S., Project Supported by Higher Education Institutions, HİPERSALİN ACIGÖL'ÜN (DENİZLİ) HİDROJEOKİMYASAL ÖZELLİKLERİ VE UZAKTAN ALGILAMA YÖNTEMLERİ İLE DEĞERLENDİRİLMESİ, 2015 - 2018

Budakoğlu M., Taşdelen S., Bülbül A., Kumral M., TUBITAK Project, Göl Kıyısı Güncel Biomineralizasyon Olusum Alanlarının ve Göl Havzası Hidrojeokimyasal Parametrelerinin Yerinde ve Uzaktan Algılama Yöntemleriyle Değerlendirilmesi: Acıgöl, Denizli, Batı Anadolu, Türkiye, 2011 - 2014

Metrics

Publication: 42

Citation (WoS): 56

Citation (Scopus): 75

H-Index (WoS): 5

H-Index (Scopus): 5