

Assoc. Prof. Muhittin Karaman



Personal Information

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Education Information

Doctorate, Pamukkale University, Turkey 2006 - 2017

Postgraduate, Pamukkale University, Turkey 2003 - 2006

Undergraduate, Pamukkale University, Turkey 1998 - 2003

Associate Degree, Ankara University, Çankırı Meslek Yüksekokulu, Turkey 1995 - 1997

Research Areas

Hydrology-Hydrometeorology, Environmental Chemistry, Water Pollution and Control, Remote sensing, Ore Deposits-Geochemistry, 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

Academic and Administrative Experience

Head of Department, Istanbul Technical University, 2023 - 2024

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. A. 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 Kösedağ, Central-Eastern Anatolia (Sivas-Turkey)**
 CANBAZ O., GÜRSOY Ö., Karaman M., Çalışkan 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. A. 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 Acıgöl, Denizli, Turkey**
 Budakoğlu M., Karaman M., Kumral M., Zeytuncu B., Döner Z., Yıldırım D., TAŞDELEN S., BÜLBÜL A., Gümüş 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 Acıgöl basin, Denizli, Turkey**
 Budakoğlu M., Abdelnasser A. A. 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 Acıgöl (Denizli), Turkey**
 Karaman M., Budakoğlu 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., Budakoğlu M.
 SCIENCE OF THE TOTAL ENVIRONMENT, vol.487, pp.565-573, 2014 (SCI-Expanded)
- XIII. **Archaeal Microbial Diversity of Hypersaline Lake Aci{dotless}göl, Denizli, Turkey**
 Budakoğlu M., KURT H., KARAMAN M., KUMRU M., Kumral M., AKARSUBASI 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. **Determination of Flood Areas in Geographic Information Systems Platform Using Analytical Hierarchy Process: A case study in Çanakkale - Karamenderes Basin**
Ertam A., Özelkan E., Karaman M.
Journal of Research in Atmospheric Science (JRAS), vol.2, no.2, pp.1-9, 2021 (Peer-Reviewed Journal)
- IV. **Hydrogeological Features of Lithological Units, Groundwater Level and Flow Rate Map of Acıgöl Basin (Denizli)**
Karaman M., Taşdelen S., Budakoğlu M.
Journal of Research in Atmospheric Science (JRAS), vol.2, no.2, pp.16-25, 2021 (Peer-Reviewed Journal)
- V. **Deep Learning Based Single Image Super-Resolution Experiments on Landsat Satellite Images**
Çiftçi S., Karaman M.
Harran Üniversitesi Mühendislik Dergisi, vol.5, no.3, pp.194-204, 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. **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)
- VIII. **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)
- IX. **Hasenekevleri (Maden-Elaziğ) Güneyindeki Diyabazlarda Gelişen Hidrotermal Cu Cevherleşmesinin Jeolojisi ve Alterasyon Jeokimyası**
Yalçın C., Kumral M., Kaya M., Karaman M.
Bitlis Eren Üniversitesi Fen Bilimleri Dergisi, vol.9, no.3, pp.1282-1296, 2020 (Peer-Reviewed Journal)
- X. **Rare Earth Element Geochemistry Of Sarıveliler (Karaman) Fluorites Related To Carbonate Rocks in Middle Taurus**
Uras Y., Yalçın C., İncediş Y., Karaman M.
Fırat Üniversitesi Mühendislik Bilimleri Dergisi, vol.31, no.2, pp.519-528, 2019 (Peer-Reviewed Journal)
- XI. **GEOLOGY AND GEOCHEMISTRY OF BARITE-BEARING Zn-Pb MINERALIZATION RELATED TO CARBONATE ROCKS IN THE ALADAĞ UNIT (ÇAYARASI-ALANYA)**
Gümüş L., Kumral M., Yalçın C., Kaya M., Ünlüer A. T., Öztürk S., Karaman M.
Niğde Ömer Halisdemir Üniversitesi Mühendislik Bilimleri Dergisi, vol.7, no.3, pp.1209-1213, 2018 (Peer-Reviewed Journal)
- XII. **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)
- XIII. **Geology and Geochemistry of Barite-Bearing Zn-Pb-Mineralization Related to Carbonate Rocks in the Aladağ Unit (Çayarası-Alanya)**

- GÜMÜŞ L., KUMRAL M., YALÇIN C., KAYA M., ÜNLÜER A. T., ÖZTÜRK S., KARAMAN M.
 Ömer Halisdemir Üniversitesi Mühendislik Bilimleri Dergisi, 2018 (Peer-Reviewed Journal)
- XIV. THE ANALYSIS OF THE EFFECT OF METEOROLOGICAL AND HYDROLOGICAL DROUGHT ON DAM LAKE VIA MULTITEMPORAL SATELLITE IMAGES: A CASE STUDY IN ATİKHİSAR 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.
 in: Environment and Ecology in the Mediterranean Region, Recep Efe, Munir Ozturk, Shahina Ghazanfar, Editor, Cambridge University Press, Cambridge (MA), USA , Newcastle Upon Tyne, pp.271-282, 2012

Refereed Congress / Symposium Publications in Proceedings

- I. Mass-balance calculations of Dursunbey Fe-Cu skarn system, Balıkesir, Turkey**
 Abdelnasser A., Kumral M., Karaman M., Kaya M., Yalçın C.
 9. Geochemistry Symposium, Aydin, Turkey, 17 - 20 October 2022, pp.130
- II. 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
- III. İlkisel Verilere Göre Hasanekevleri (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
- IV. Maden Kompleksine ait Fay Zonlarında (Hasenekevleri-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
- V. Geology and Geochemistry of Copper Mineralization of Volcanic Rocks Due to Quartz Veins in Western Part of Almus (TOKAT-TURKEY)**
 Yalçın C., Kumral M., Kaya M., Karaman M.
 2st International Conference on Applied Engineering and Natural Sciences (ICAENS 2022)., Konya, Turkey, 10 - 13 March 2022, pp.10

- VI. **Delineation of Lead-Zinc Deposits in Eastern Taurides Using Remote Sensing Techniques (Havadan - Kayseri)**
Uygur M., Kirikoğlu M. S., Karaman M., Çiftçi E.
International Earth Science Colloquium on the Aegean Region, IESCA-2019, İzmir, Turkey, 7 - 11 October 2019,
pp.200-204
- VII. **Hasenekevleri (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
- VIII. **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), 4 - 06 October 2018
- IX. **Analysis of the Effect of Industrial Waste Pollution on Natural Water Areas by Digital Image Processing Methods in Google Earth Images: A Case Study, Çürüksu Menderes Basin, Denizli Türkiye**
Karaman M., Özelkan E., Taşdelen S.
International Symposium on Urban Water and Wastewater Management (UKSAY), Denizli, Turkey, 25 - 27 October 2018, pp.508-515
- X. **The origin of boron and pollution status of natural waters in Acıgöl Basin**
Karaman M., Taşdelen S., Budakoğlu M.
International Symposium on Urban Water and Wastewater Management (UKSAY), Denizli, Turkey, 25 - 27 October 2018, pp.631-638
- XI. **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
- XII. **Preliminary Findings on Barite 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
- XIII. **Rasat Uydu Görüntüleri Kullanarak Gölalanı Belirlenmesi: Atikhisar Barajı Uygulaması**
Özelkan E., Karaman M.
2. Uluslararası Mimarlık ve Tasarım Kongresi, Çanakkale, Turkey, 11 - 12 October 2018, pp.194-202
- XIV. **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
- XV. **Su Kaynaklarındaki Alansal Değişimin Uzaktan Algılama ile Belirlenmesi ve Değişimde Yağış, Buharlaşma ve Nüfus Etkisi**
Özelkan E., Karaman M., Sağlık A., Kelkit A.
Uluslararası Kentleşme ve Çevre Sempozyumu, Eskişehir, Turkey, 28 - 30 June 2018, vol.4, pp.525-532
- XVI. **Preliminary findings of Ni anomalies observed in amphibolites of Eastern Kargı (Tavşantepe)**
KUMRAL M., YALÇIN C., KAYA M., AYDOĞAN M. S., BUDAKOĞLU M., ÖZTÜRK S., KARAMAN M.
9th International Symposium on Eastern Mediterranean Geology, 7th -11th May 2018 - Antalya, Turkey, 7 - 11 May 2018
- XVII. **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
- XVIII. **Gökçedoğan (Kargı-Çorum) Kuzeyindeki Metabazitlerde Gözlenen TiO₂ Anomalisinin Coğrafi Bilgi**

Sistemleri (CBS) Ortamında Değerlendirilmesi

UYGUR M., YALÇIN C., KAYA M., KARAMAN M., KUMRAL M.

8. Jeokimya Sempozyumu, May 2-6, Antalya, Türkiye., 2 - 06 May 2018

- XIX. **Kargı (Çorum-Türkiye) doğusunda yüzeyleyen metabazitlerin petrografik ve jeokimyasal özellikleri**

KUMRAL M., YALÇIN C., KAYA M., AYDOĞAN M. S., BUDAKOĞLU M., ÖZTÜRK S., KARAMAN M.

8. Jeokimya Sempozyumu, May 2-6, Antalya, Türkiye., 2 - 06 May 2018

- XX. **Evaluation the Usage of GIS Based Multi Criteria Decision Making Analysis to Determine Fumerole Locations in Geothermal Fields (Kızıldere Geothermal Field, Denizli – Turkey)**

UYGUR M., KARAMAN M., KUMRAL M., ÖZTÜRK S., GÜMÜŞ L.

EGU2018-19672-1, Austria, 8 - 13 April 2018

- XXI. **Using the concentration-volume (C-V) fractal model in the delineation of gold mineralized zones within the Tepeoba porphyry Cu-Mo-Au, Balikesir, NW Turkey**

Kumral M., ABDELNASSER A., Karaman M., BUDAKOĞLU M.

EGU2016, Viyana, Austria, 17 - 22 April 2016, vol.18, pp.8812

- XXII. **Hyperspectral image analysis for the determination of alteration minerals in geothermal fields: Çürüksu (Denizli) Graben, Turkey**

Uygur M., Karaman M., Kumral M.

EGU2016, Viyana, Austria, 17 - 22 April 2016, vol.18, pp.8833

- XXIII. **Quantitative mass transfer analysis during hydrothermal alteration of intrusion-related Cu-Pb-Zn mineralization in SW Kütahya, Turkey**

KUMRAL M., ABDELNASSER A., YILDIRIM D., KARAMAN M., DÖNER Z., BUDAKOĞLU M.

12th International Congress for Applied Mineralogy (ICAM) 2015, İstanbul, Turkey, 10 - 12 August 2015

- XXIV. **Porphyry Cu-Mo-Au mineralization at Parağa area, Nakhchivan district, Azerbaijan: evidence from mineral paragenesis, hydrothermal alteration and geochemical studies**

Kumral M., ABDELNASSER A., BUDAKOĞLU M., Karaman M., YILDIRIM D. K., Döner Z., Kan Bostancı A.

World Academy of Science, Engineering and Technology, International Science Index, Geological and Environmental Engineering, Cape Town, South Africa, 1 - 04 September 2014, pp.194

- XXV. **Chemical Partitioning of Trace Metals in Sub-Surface Sediments; Lake Acigol Denizli Turkey**

BUDAKOĞLU M., Karaman M., YILDIRIM D. K., Döner Z., Zeytuncu B., Tanç B., Kumral M.

World Academy of Science, Engineering and Technology, International Science Index, Geological and Environmental Engineering, Cape Town, South Africa, 1 - 04 September 2014, pp.197

- XXVI. **Geochemical Approach of Rare Earth Element Distribution: A Case Study From Lake Acigöl, Denizli, Turkey**

BUDAKOĞLU M., Karaman M., ABDELNASSER A., YILDIRIM D. K., Kumral M.

World Academy of Science, Engineering and Technology, International Science Index, Geological and Environmental Engineering, Cape Town, South Africa, 1 - 04 September 2014, pp.196

- XXVII. **Spatial REE Geochemical Modeling at Lake Acigöl, Denizli, Turkey: Analytical Approaches on Spatial Interpolation and Spatial Correlation**

BUDAKOĞLU M., Karaman M., ABDELNASSER A., Kumral M.

World Academy of Science, Engineering and Technology, International Science Index, Geological and Environmental Engineering, Cape Town, South Africa, 1 - 04 September 2014, pp.198

- XXVIII. **Hydrothermal alteration geochemistry of Atud gold deposit at the central block of the Egyptian Eastern Desert, Egypt : Insights provided by mass balance calculations**

ABDELNASSER A., KUMRAL M., ZOHEIR B., WEIHED P., YILDIRIM D., KARAMAN M.

Goldschmidt 2014, 8 - 13 June 2014

- XXIX. **Hydrothermal alteration geochemistry of Atud gold deposits at the central block of the Egyptian Eastern Desert, Egypt: Insights provided by mass-balance calculations**

ABDELNASSER A., Kumral M., Zoheir B., Weihed P., YILDIRIM D. K., Karaman M.

Goldschmidt2014, Sacramento, United States Of America, 8 - 13 June 2014, pp.2

- XXX. **Phytoplankton species and distribution patterns of hypersaline Lake Acigöl, Denizli Turkey**

BUDAKOĞLU M., KARAMAN M., DÖNER Z., KUMRAL M.

- Biosignatures across Space Time, Open yearly meeting, May 20-22, Bergen, Norway., 20 - 22 May 2014
- XXXI. Investigation of Lake Water Salinity by Using Four-Band Salinity Algorithm onWorldView-2 Satellite Image for a Saline Industrial Lake**
 BUDAKOGLU M., Karaman M., Uca Avci Z. D., Kumral M., Geredeli S.
 European Geosciences Union General Assembly 2014, Viyana, Austria, 27 April - 02 May 2014, pp.16181
- XXXII. Estimation Of Chlorophyll-A Concentration Using Three-Band Algorithm On Worldview-2 Images**
 Karaman M., Uca Avci Z. D., BUDAKOGLU M., Geredeli S., Kumral M.
 European Geosciences Union General Assembly 2014, Viyana, Austria, 27 April - 02 May 2014, pp.11926
- XXXIII. Clay Mineralogy of Shallow Core Sediments of Lake Acigol, Denizli, Turkey**
 BUDAKOĞLU M., KARAMAN M., GEREDELİ S., UNAL H., ABDELNASSER A., YILDIRIM D.
 EGU 2014, 27 April - 02 May 2014
- XXXIV. Production of the Sodium Sulphate from Acigol by Solution Mining Method, Denizli, Turkey**
 SULTANYAN S., KARABEL S. B., YILDIRIM D., BUDAKOĞLU M., KARAMAN M., KUMRAL M.
 Goldschmidt 2013, 25 - 30 August 2013
- XXXV. Mineralogical, Petrographical and Geochemical Investigation of Tefenni-Burdur Chromite Occurrences**
 KAN BOSTANCI A., YILDIRIM D., KARAMAN M., SERT A. S., BUDAKOĞLU M.
 Goldschmidt 2013, 25 - 30 August 2013
- XXXVI. Vertical and Spatial Variations on Carbon Species (TC, TOC, TIC) total sulfur (TS), and Rb/Sr ratios of recent lacustrine sediments: Saline Lake Acigol (Denizli), Turkey**
 BUDAKOĞLU M., KARABEL S. B., KARAMAN M., AKAY A. K., KAN BOSTANCI A., KUMRAL M.
 SEG2012 Conference Proceeding Book, November 4-9, Keystone, Colorado, USA, 4 - 02 November 2012
- XXXVII. Trace elements and ore microscopic investigations of Denizli-Beyağaç chromite deposits**
 Kumral M., Karadağ A., Soyal M., Akay A. K., Karabel S. B., ELMAS N., Karaman M., BUDAKOGLU M.
 V. Geochemistry Symposium, Denizli, Turkey, 23 - 25 May 2012, pp.223-224
- XXXVIII. Determination of evaporate minerals in dry land lake sediments by endmember collection classification using ASTER remote sensing image: Lake Acigöl (Denizli), Turkey**
 Karaman M., BUDAKOGLU M., Kumral M., Uca Avci Z. D., TASDELEN S., Bülbül A., Karabel S. B.
 V. Geochemistry Symposium, Denizli, Turkey, 23 - 25 May 2012, pp.204-205
- XXXIX. Recent sediment geochemistry of an alkaline lake: Lake Acigol (Denizli), SW Anatolia Turkey**
 BUDAKOGLU M., Karaman M., Karabel S. B., Geredeli S., Bülbül A., Kurt H., Uzaşçı Sultanyan S., Kan Bostancı A., Akay A. K., Yılmaz F. R., et al.
 European Geosciences Union General Assembly 2012, Viyana, Austria, 22 - 27 April 2012, pp.5151
- XL. Excess Nd and Eu concentrations discovered in chromite deposits from Beyağaç District,Denizli Region, SW Turkey**
 Kumral M., Karadağ A., Soyal M., CARAN Ş., Akay A. K., Karabel S. B., ELMAS N., Karaman M., BUDAKOGLU M.
 European Geosciences Union General Assembly 2012, Viyana, Austria, 22 - 27 April 2012, pp.5157
- XLI. Excess Nd and Eu concentrations discovered in chromite deposits from Beyağaç District, Denizli Region, SW Turkey, EGU General Assembly**
 KUMRAL M., KARADAĞ A., SOYAL M., CARAN Ş., AKAY A. K., KARABEL S. B., ELMAS N., KARAMAN M., BUDAKOĞLU M.
 EGU2012-5157-2, April 22-27, Vienna, Austria, 22 - 27 April 2012
- XLII. The analysis of destruction in flamingo habitat of acigol wetland**
 Karaman M., Uca Avci 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
- XLIII. Multiscale fourier domain fusion technique for remotely sensed spot images**
 PAPILA I., Uça Avci 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
- XLIV. Drought determination by using land surface temperature and normalized difference vegetation index**

- Ozelkan E., Papila I., Uca Avci D., Karaman M.
 34th International Symposium on Remote Sensing of Environment - The GEOSS Era: Towards Operational Environmental Monitoring, Sydney, Australia, 10 - 15 April 2011
- XLV. 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
- XLVI. Determination of the Forest Fire Potential by Using Remote Sensing and Geographical Information System, Case Study-Bodrum/Turkey**
 Ozelkan 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
- XLVII. Investigation of Anoxic Lake Water Areas by Using ASTER Thermal Imagert Lake Acigol**
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Citation (WoS): 58

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Non Academic Experience

İstanbul Teknik Üniversitesi, Maden Fakültesi, Jeoloji Mühendisliği Bölümü

İstanbul Teknik Üniversitesi, Uydu Haberleşmesi ve Uzaktan Algılama Merkezi

Pamukkale Üniversitesi Hastaneleri Bilgi İşlem

Pamukkale Üniversitesi, Bilgi İşlem Daire Başkanlığı