

Asst. Prof. Demet Yıldırım

Personal Information

Email: kirand@itu.edu.tr

Address: İstanbul Teknik Üniversitesi Ayazağa Kampüsü Maden Fakültesi

International Researcher IDs

ORCID: 0000-0001-5995-5723

ScopusID: 55332980500

Yoksis Researcher ID: 151828

Education Information

Doctorate, Istanbul Technical University, Maden Fakültesi, Jeoloji Mühendisliği Bölümü, Turkey 2004 - 2013

Postgraduate, Istanbul Technical University, Maden Fakültesi, Jeoloji Mühendisliği Bölümü, Turkey 2001 - 2004

Undergraduate, Istanbul Technical University, Maden Fakültesi, Jeoloji Mühendisliği Bölümü, Turkey 1997 - 2001

Foreign Languages

English, B2 Upper Intermediate

Certificates, Courses and Trainings

Education Management and Planning, Magmatik Petrolojide Jeokimyasal Modellemeler, Dokuz Eylül Üniversitesi, 2018

Education Management and Planning, Geochemical data processing and isotopic calculations, The Czech Academy of Science, Czechia, 2018

Other, İletişimde Sadelik:Etkin Dinleme&Doğru Yorumlama, Yaşamartı, 2017

IT, Geleceğin İş Hayatı, Yaşamartı, 2017

Other, Beden Dili&Diksiyon, Yaşamartı, 2017

Other, Yaşamartı, Haydi Geri Kazan Enerjini, 2017

IT, NETCAD 6.0 GIS Jeolojik Katı Modelleme, Netcad Kampüs, 2014

IT, NETCAD 6.0 GIS Jeoloji Uygulamaları, Netcad Kampüs, 2014

Education Management and Planning, SAMPLING SEMINAR, Laarmann, 2013

Dissertations

Doctorate, Kuru(Çanakkale) yöresi kurşun-çinko cevherleşmelerinin oluşum mekanizmasının jeokimyasal modellenmesi, İstanbul Teknik Üniversitesi, Maden Fakültesi, Jeoloji Mühendisliği Bölümü, 2013

Postgraduate, Şarkıkaraağaç-Isparta ve çevresindeki barit cevherleşmelerinin incelenmesi, İstanbul Teknik Üniversitesi, Maden Fakültesi, Jeoloji Mühendisliği Bölümü, 2004

Research Areas

Engineering and Technology

Academic Titles / Tasks

Assistant Professor, Istanbul Technical University, Maden, Jeoloji Mühendisliği, 2018 - Continues
Assistant Professor, Istanbul Technical University, Maden, Jeoloji Mühendisliği, 2013 - 2018
Research Assistant, Istanbul Technical University, Maden, Jeoloji Mühendisliği, 2005 - 2015

Courses

MADEN YATAKLARININ DEĞERLENDİRİLMESİ, Undergraduate, 2016 - 2017, 2015 - 2016

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Genesis of the Hahlar Metasediment-Hosted Cu-Pb (+/- Zn) Mineralization, NW Turkey: Evidence from Mineralogy, Alteration, and Sulfur Isotope Geochemistry**
Yildirim D. K.
MINERALS, vol.12, no.8, 2022 (SCI-Expanded)
- II. **Qualitative barometry of high P/T rocks with field based NIR spectroscopy of white mica**
Bradley T. W., Ustunisik G. K., Duke E. F., Ünlüer A. T., Yıldırım D., Flores K. E.
Lithos, vol.408-409, 2022 (SCI-Expanded)
- III. **Delineation of the porphyry-skarn mineralized zones (NW Turkey) using concentration-volume fractal model**
Karaman M., Kumral M., Yıldırım D. K., Doner Z., Afzal P., Abdelnasser A. A. A.
GEOCHEMISTRY, vol.81, no.4, 2021 (SCI-Expanded)
- IV. **Wingrt, a windows program for garnet supergroup minerals**
Yavuz F., Yıldırım D.
Journal of Geosciences (Czech Republic), vol.65, no.2, pp.71-95, 2020 (SCI-Expanded)
- V. **The first report of lesbooxylon süss & velitzelos from the early-middle miocene of eastern anatolia
Le premier rapport d'une espèce de lesbooxylon süss & velitzelos du miocène inférieur-moyen de l'ana-tolie orientale**
AKKEMİK Ü., Mantzouka D., Kiran Yıldırım D.
Geodiversitas, vol.42, no.23, pp.427-441, 2020 (SCI-Expanded)
- VI. **New petrified wood descriptions from west-central anatolia: Contribution to the composition of the neogene forest of Turkey**
AKKEMİK Ü., Yıldırım D., Sakala J., Akkilic H., Altinisik A.
Neues Jahrbuch für Geologie und Paläontologie - Abhandlungen, vol.292, no.1, pp.57-71, 2019 (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., Gumus L.
Environmental Monitoring and Assessment, vol.190, no.3, 2018 (SCI-Expanded)
- VIII. **A windows program for calculation and classification of epidote-supergroup minerals**
Yavuz F., Yıldırım D.
Periodico di Mineralogia, vol.87, no.3, pp.269-285, 2018 (SCI-Expanded)
- IX. **A Windows program for pyroxene-liquid thermobarometry**
Yavuz F., Yıldırım D.
Periodico di Mineralogia, vol.87, no.2, pp.149-172, 2018 (SCI-Expanded)
- X. **A Windows program for chlorite calculation and classification**
Yavuz F., KUMRAL M., Karakaya N., Karakaya M. C., Yıldırım D.
COMPUTERS & GEOSCIENCES, vol.81, pp.101-113, 2015 (SCI-Expanded)
- XI. **A Windows program for calculation and classification of tourmaline-supergroup (IMA-2011)**

- Yavuz F., Karakaya N., Yıldırım D., Karakaya M. C., Kumral M.
Computers and Geosciences, vol.63, pp.70-87, 2014 (SCI-Expanded)
- XII. **Origin of galena and sphalerite mineralization in the Koru Volcanics, Biga Peninsula, Turkey: Insights from MELTS modelling and SUPCRT calculations**
YILDIRIM D., Kilinc A., Suner F., Kumral M., USTUNISIK G. K., Budakoğlu M.
International Geology Review, vol.55, no.7, pp.830-841, 2013 (SCI-Expanded)
- XIII. **Mineral chemistry of Plio-Quaternary subvolcanic rocks, southwest Yazd Province, Iran**
Sherafat S., YAVUZ F., NOORBEHESHT I., Yildirim D.
INTERNATIONAL GEOLOGY REVIEW, vol.54, no.13, pp.1497-1531, 2012 (SCI-Expanded)

Articles Published in Other Journals

- I. **Strategic Element Enrichments in Hallaçlar Volcanites (Bayramiç, Çanakkale)**
YILDIRIM D., DÖNER Z., ÜNLÜER A. T.
Afyon Kocatepe Universitesi Fen Ve Muhendislik Bilimleri Dergisi, vol.22, 2022 (Peer-Reviewed Journal)
- II. **Saturation Index Characteristics and Crystallization Mechanism of Hydromagnesite and Huntite in Salda Lake Turkey**
KAMIŞOĞLU T., MARAL M., KEPEKLİ T. A., YILDIRIM D., AKTUNA Z., SUNER M. F.
Progress in Mining and Oilfield Chemistry, vol.5, pp.393-404, 2003 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **Tauride Carbonate Platform Bauxite Deposits (Turkey) as an Alternative Source for Gallium**
Bayram H. N., Bakkalbaşı A. E., Döner Z., Ünlüer A. T., Kocatürk H., Yıldırım D., Budakoğlu M.
EGU General Assembly 2021, Vienna, Austria, 19 April 2021 - 30 March 2022, pp.11122
- II. **Detecting the Pressure and Bulk Composition Effect on the Al-OH Absorption Band of White Micas: A Case Study in Northwest Turkey and Applications to the Guatemala Suture Zone**
Bradley T. W., Ustunısık G., Duke E. F., Flores K. E., ÜNLÜER A. T., YILDIRIM D.
AGU Fall Meeting 2019, 9 - 13 December 2019
- III. **Characterization of Türkali Pluton and Yuntdağ Volcanics Related Ore Genesis (Manisa-Turkey)**
Kabiru M., KOCATÜRK H., YILDIRIM D., KUMRAL M., ÜNLÜER A. T., BUDAKOĞLU M.
XXXV International Conference - Magmatism of the Earth and Related Strategic Metal DEposit, 3 - 07 September 2018
- IV. **Hydrothermal Enrichments of Polymetallic (Fe-Pb-Zn-Cu) Mineralization at Guldagi-Goksun, (Kahramanmaras, S Turkey)**
YILDIRIM D., ÜNLÜER A. T., DÖNER Z., KUMRAL M.
8th Geochemistry Symposium, Antalya, Turkey, 2 - 06 May 2018
- V. **Alteration geochemistry and sulfur isotope insights into metasediment-hosted Cu-Pb(-Zn) mineralization at Halilar area, NW, Turkey**
YILDIRIM D.
SEG 2017 Ore Deposits of Asia: China and Beyond, 17 - 20 September 2017
- VI. **The Bekirli metamorphic rocks-hosted stratiform Cu-Zn mineralization in the Kömürlükdere area, eastern Pontides, Turkey**
YILDIRIM D., KUMRAL M., DÖNER Z., BUDAKOĞLU M., Yalçın C., AYDOĞAN M. S.
SEG 2017 Ore Deposits of Asia: China and Beyond, 17 - 20 September 2017
- VII. **Geochemical element mobility during the hydrothermal alteration in the Tepeoba porphyry Cu Mo Au deposits at Balıkesir NW Turkey**
ABDELNASSER A., YILDIRIM D., DÖNER Z., KUMRAL M.
EGU 2016, VİYANA, Austria, 17 - 22 April 2016

- VIII. **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
- IX. **Chemical Partitioning of Trace Metals in Sub Surface Sediments Lake Acıgöl Denizli Turkey**
BUDAKOĞLU M., MUHİTTİN K., YILDIRIM D., DÖNER Z., ZEYTUNCU B., TANÇ B., KUMRAL M.
The Conference Proceedings of the ICESCC, Cape-Town, South Africa, 6 - 07 November 2014
- X. **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
- XI. **Investigation of geochemistry and subsurface modeling of Porphyry Cu-Mo deposit in Tepeoba-Havran, NW turkey**
YILDIRIM D., AKAY A. K., BONAB T., ABDELNASSER A., KUMRAL M., BUDAKOĞLU M.
Goldschmidt 2014, 8 - 13 June 2014
- XII. **Distribution of Platinum Group elements (PGE) in Chromites from some selected areas:Denizli and Muğla Provinces, SW Turkey**
DÖNER Z., YILDIRIM D., KAN BOSTANCI A., KUMRAL M., BUDAKOĞLU M.
Goldschmidt 2014, 8 - 13 June 2014
- XIII. **Clay Mineralogy of Shallow Core Sediments of Lake Acıgol, Denizli, Turkey**
BUDAKOĞLU M., KARAMAN M., GEREDELİ S., UNAL H., ABDELNASSER A., YILDIRIM D.
EGU 2014, 27 April - 02 May 2014
- XIV. **Production of the Sodium Sulphate from Acıgol 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
- XV. **The platinumium group and precious metal contents of Muğla-Ortaca Area Chromites**
KARABEL S. B., GUMUS L., YILDIRIM D., SULTANYAN S., BUDAKOĞLU M., KUMRAL M.
Goldschmidt 2013, 25 - 30 August 2013
- XVI. **Mineralogical, Petrographical and Geochemical Investigation of Tefenni-Burdur Chromite Occurences**
KAN BOSTANCI A., YILDIRIM D., KARAMAN M., SERT A. S., BUDAKOĞLU M.
Goldschmidt 2013, 25 - 30 August 2013
- XVII. **Geological and Geochemical Characteristics of Küre Kastamonu Copper Deposits**
KUMRAL M., BUDAKOĞLU M., KARAMAN M., KARABEL S. B., YILDIRIM D., ÇİFTÇİ E.
47th Forum on the Geology of Industrial Minerals, 15 - 17 May 2011
- XVIII. **The Role of Magma Mixing in the Differentiation of Koru Volcanics, Çanakkale, NW Turkey**
YILDIRIM D., KILINC A.
AGU 2010 Fall Meeting, 13 - 17 December 2010
- XIX. **Geological and Geochemical Investigation of REE Elements of Kızılcaören Eskişehir Northwest Turkey**
KUMRAL M., YILDIRIM D., TIĞLI C.
Society of Economic Geologists 2010, Colorado, United States Of America, 2 - 05 October 2010
- XX. **Geochemistry of Disseminated Ore Mineralization at Koru Pb-Zn Deposits in Canakkale, Turkey**
YILDIRIM D., KILINC A.
GSA 2010 Joint Meeting NortheasternSoutheastern, Baltimore, 14 - 16 March 2010
- XXI. **Mineralogy and Petrology of Barite Mineralization in Sarkikaraagac-Isparta, Turkey**
YILDIRIM D.
GSA 2010 Joint Meeting NortheasternSoutheastern, Baltimore, 14 - 16 March 2010
- XXII. **Constrains on Geochemistry of Ore Forming Solutions at Koru Pb-Zn Deposit, Canakkale, Turkey**
YILDIRIM D.
GSA 2009 Annual Meeting, 18 - 21 October 2009
- XXIII. **Saturation Index (SI) Study and Formation Conditions in the Salda Lake, Western Turkey**

KAMIŞOĞLU T., MARAL M., KEPEKLİ T. A., YILDIRIM D., AKTUNA Z., SUNER M. F.

41st Forum on the Geology of Industrial Minerals Program Proceedings, İstanbul, Turkey, 22 - 30 May 2005

XXIV. Barite Mineralizations in Dinek (Şarkikaraağaç-Isparta) and Surroundings

ELMAS N., YILDIRIM D., SUNER M. F.

41st Forum on the Geology of Industrial Minerals Program Proceedings, İstanbul, Turkey, 22 - 30 May 2005

XXV. Genetic constraints from REE geochemistry of the Koru Lead-Zinc deposits-Biga Peninsula, North Western Turkey, Digging Deeper

SUNER M. F., GEDİKOĞLU A., MARAL M., YILDIRIM D., MARAL D., ALTINAY O. C., KEPEKLİ T. A., AKTUNA Z.

Proceedings of Ninth Biennial SGA 2007 Meeting, Dublin, Ireland, 20 - 23 August 2007

XXVI. Salda Gölünde (Burdur) Doygunluk İndeksi ve Oluşum Koşulları

MARAL M., SEZER B., KAMIŞOĞLU T., KEPEKLİ T. A., YILDIRIM D., AKTUNA Z., SUNER M. F.

59. Türkiye Jeoloji Kurultayı, Turkey, 20 - 24 March 2006

Supported Projects

Yıldırım D., Project Supported by Higher Education Institutions, Balıkesir-Havran-Kocaseyit Köyü Epitermal Altınlı Bakır Oluşumları Modellenmesi ve Özelliklerinin Araştırılması, 2014 - 2021

Yıldırım D., Project Supported by Higher Education Institutions, MİNERALOGY AND GEOCHEMİSTRY OF BASE-METAL DEPOSİTS AT HALİLAR AREA, NW TURKEY, 2015 - 2018

Yıldırım D., Project Supported by Higher Education Institutions, Investigation of Geochemistry and Subsurface Modeling of Porphyry Cu-Mo Deposit in Tepeoba-Havran, NW Turkey, 2014 - 2018

Metrics

Publication: 46

Citation (WoS): 78

Citation (Scopus): 155

H-Index (WoS): 4

H-Index (Scopus): 5

Non Academic Experience

University of South Carolina

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