

## Assoc. Prof. YILMAZ DEMİR

### Personal Information

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**Address:** Recep Tayyip Erdogan Üniversitesi Mühendislik Fakültesi Jeoloji Mühendisliği Bölümü Fener Mah. 53100 Merkez / Rize

### International Researcher IDs

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### Education Information

Doctorate, Karadeniz Technical University, Mühendislik Fakültesi, Jeoloji Mühendisliği Bölümü, Turkey 2005 - 2011

Postgraduate, Karadeniz Technical University, Mühendislik Fakültesi, Jeoloji Mühendisliği Bölümü, Turkey 2001 - 2005

### Foreign Languages

English, B2 Upper Intermediate

### Certificates, Courses and Trainings

Foreign Language, ALMANCA DİL KURSU (144 SAAT), GESELLSCHAFT FÜR INTERKULTURELLE KOMMUNİKATION mbH, 2004

### Dissertations

Doctorate, KABADÜZ (ORDU, KD-TÜRKİYE) YÖRESİ Pb-Zn-Cu CEVHERLERİNİN JEOLojİK, MİNERALojİK, JEOKİMYASAL VE KÖKENSEL İNCELENMESİ, Karadeniz Technical University, Mühendislik Fakültesi, Jeoloji Mühendisliği Bölümü, 2011  
Postgraduate, İSTALA VE KÖSTERE (TORUL-GÜMÜŞHANE) MADENLERİNİN MİNERALojİK VE DOKUSAL ÖZELLİKLERİ, Karadeniz Technical University, Mühendislik Fakültesi, Jeoloji Mühendisliği Bölümü, 2005

### Research Areas

Geological Engineering, Ore Deposits-Geochemistry, Geochemistry (Organic and Inorganic, Applied Geochemistry, Mineral Deposits, Metallic Mineral Deposits, Engineering and Technology

### Academic Titles / Tasks

Associate Professor, Recep Tayyip Erdogan University, Mühendislik Ve Mimarlık Fakültesi, Jeoloji Mühendisliği, 2021 - Continues

Assistant Professor, Recep Tayyip Erdogan University, Mühendislik Ve Mimarlık Fakültesi, Jeoloji Mühendisliği, 2018 -

2021

Assistant Professor, Recep Tayyip Erdogan University, Mühendislik Ve Mimarlık Fakültesi, Jeoloji Mühendisliği, 2012 - 2018

Research Assistant PhD, Gumushane University, Mühendislik Fakültesi, Jeoloji Mühendisliği Bölümü, 2011 - 2012

Research Assistant, Gumushane University, Mühendislik Fakültesi, Jeoloji Mühendisliği Bölümü, 2008 - 2011

Research Assistant, Karadeniz Technical University, Gümüşhane Mühendislik Fakültesi, Jeoloji Mühendisliği Bölümü, 2001 - 2008

## Academic and Administrative Experience

Recep Tayyip Erdogan University, Mühendislik Fakültesi, Jeoloji Mühendisliği Bölümü, 2012 - 2015

## Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Mineralogy, ore genesis and zircon U[sbnd]Pb age characteristics of the Cerattepe Cu[sbnd]Au ( $\pm$ Zn) deposit (Artvin, NE Turkey)**  
Akpınar İ., DEMİR Y., AYSAL N., HANILÇI N., DENİZ YAĞCIOĞLU K., Kadioğlu Y. K., Yates M., Çiftçi E.  
Geochemistry, 2024 (SCI-Expanded)
- II. **Recently-discovered Bahçecik Au $\pm$ Ag mineralization in the Eastern Pontides, Gümüşhane-NE Türkiye: geological and geochemical implications on the intermediate sulfidation epithermal deposit**  
Revan M. K., DEMİR Y., UYSAL İ., Özkan M., Dumanlılar Ö., ŞEN C., Kara R. T., Hamzaçebî S., Göç D., Müller D., et al.  
International Geology Review, vol.66, no.15, pp.2673-2698, 2024 (SCI-Expanded)
- III. **Large Fe-Mn oncoids from Early Jurassic Ammonitico Rosso Facies (eastern Sakarya Zone, NE Turkey): new insight into palaeogeographic conditions of Tethys Ocean**  
KANDEMİR R., ÖZYURT M., DEMİR Y., KARSLI O.  
International Geology Review, 2024 (SCI-Expanded)
- IV. **The petrogenesis of analcime in the Coppermine Formation on Robert Island, South Shetland Islands, Antarctica**  
KANDEMİR R., DEMİR Y., ŞEN C., YAĞCIOĞLU U. C.  
Turkish Journal of Earth Sciences, vol.32, no.SI-8, pp.961-974, 2023 (SCI-Expanded)
- V. **Geochemistry of the Lake Sediments on Robert Island, South Shetland Islands, Antarctica: implications for weathering processes in Polar areas**  
ÖZYURT M., DEMİR Y., ÖZKAN K., KANDEMİR R.  
Turkish Journal of Earth Sciences, vol.32, no.SI-8, pp.944-960, 2023 (SCI-Expanded)
- VI. **Mechanical and radiation attenuation properties of conventional and heavy concrete with diverse aggregate and water/cement ratios**  
Ustabas I., Demirci M., Baltas H., Demir Y., Erdogdu S., Kurt Z., Cakmak T.  
GRADEVINAR, vol.74, no.8, pp.635-645, 2022 (SCI-Expanded)
- VII. **Evolution and genesis of fluorite mineralization in the Ouenza region (North-east of Algeria): evidence from fluid inclusions and stable isotopes (C, O, and S)**  
Bakelli A., Sami L., Boutaleb A., Kolli O., Haddouche O., DEMİR Y., Zedef V.  
ARABIAN JOURNAL OF GEOSCIENCES, vol.15, no.6, 2022 (SCI-Expanded)
- VIII. **Mineralogy, geochemistry, fluid inclusion, and stable sulfur isotope investigation of the Terziali shear-related orogenic gold deposit (Central Anatolia, Turkey): implications for ore genesis and mineral exploration**  
Sapançi O., KÖPRÜBAŞI N., Çiftçi E., KÖPRÜBAŞI N., Tokat G., DEMİR Y.  
ARABIAN JOURNAL OF GEOSCIENCES, vol.15, no.1, 2022 (SCI-Expanded)
- IX. **Geology, geochemistry, fluid inclusion and genesis of the Guijeh Qaleh IOA-type iron ore deposit, north of Takab district, Northwestern Iran**

Aliyari F., DEMİR Y., Bouzari F.

ORE GEOLOGY REVIEWS, vol.127, 2020 (SCI-Expanded)

- X. **Geochemistry, microthermometry, and C and O isotope constraints on the origin of the Duzkoy Fe-Cu skarn deposit (Gumuhane, NE Turkey)**  
Demir Y., Bayraktar K.  
ARABIAN JOURNAL OF GEOSCIENCES, vol.13, no.23, 2020 (SCI-Expanded)
- XI. **Fluid inclusion and stable isotope constraints (C, O, H) on the Dagbasi Fe-Cu-Zn skarn mineralization (Trabzon, NE Turkey)**  
Demir Y., Disli A.  
ORE GEOLOGY REVIEWS, vol.116, 2020 (SCI-Expanded)
- XII. **Geochemistry, fluid inclusion and stable isotope constraints (C and O) of the Sivrikaya Fe-skarn mineralization (Rize, NE Turkey)**  
Demir Y., UYSAL I., Kandemir R., Jauss A.  
ORE GEOLOGY REVIEWS, vol.91, pp.153-172, 2017 (SCI-Expanded)
- XIII. **Mineralogy, mineral chemistry, fluid inclusion, and stable isotope investigations of the Kabaduz ore veins, Ordu, NE-Turkey**  
Demir Y., UYSAL İ., Sadiklar M. B., Ceriani A., Hanilci N., Mueller D.  
ORE GEOLOGY REVIEWS, vol.66, pp.82-98, 2015 (SCI-Expanded)
- XIV. **Genesis and geodynamic significance of chromitites from the Orhaneli and Harmancik ophiolites (Bursa, NW Turkey) as evidenced by mineralogical and compositional data**  
UYSAL İ., AKMAZ R. M., Kapsiotis A., Demir Y., Saka S., Avci E., Mueller D.  
ORE GEOLOGY REVIEWS, vol.65, pp.26-41, 2015 (SCI-Expanded)
- XV. **Mineral chemical investigation on sulfide mineralization of the Istala deposit, Gumushane, NE-Turkey**  
Demir Y., UYSAL İ., Sadiklar M. B.  
ORE GEOLOGY REVIEWS, vol.53, pp.306-317, 2013 (SCI-Expanded)
- XVI. **Mineralogy, mineral chemistry, and fluid inclusion investigation of Kostere hydrothermal vein-type deposit (Gumushane, NE-Turkey)**  
Demir Y., UYSAL İ., Sadiklar M. B., Sipahi F.  
NEUES JAHRBUCH FÜR MINERALOGIE-ABHANDLUNGEN, vol.185, no.2, pp.215-232, 2008 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Geology and genesis of the Silica-Listwaenite hosted Kaymaz gold deposit, Eskişehir, NW-Turkey: Implications from fluid inclusions and pyrite chemistry**  
YAVUZ H., DEMİR Y., KASAPÇI C., UYSAL İ., HELVACI C.  
Journal of Asian Earth Sciences: X, vol.8, pp.1-17, 2022 (Peer-Reviewed Journal)
- II. **Geological, mineralogical and geochemical properties of the Dağbaşı skarn ores (Araklı-Trabzon, NE Turkey)**  
DEMİR Y.  
BULLETIN OF THE MINERAL RESEARCH AND EXPLORATION, vol.158, pp.165-194, 2019 (Scopus)
- III. **Geological, mineralogical and geochemical properties of the Dagbast skarn ores (Araklı-Trabzon, NE Turkey)**  
Demir Y.  
BULLETIN OF THE MINERAL RESEARCH AND EXPLORATION, vol.158, pp.165-194, 2019 (ESCI)

## Refereed Congress / Symposium Publications in Proceedings

- I. **Kutanit Arhavı -Artvin Cevherleşmesi'nin Jeolojik Mineralojik ve Jeokimyasal Özellikleri (Investigation of Geological mineralogical and Geochemical Properties of the Kutanit mineralization**

**(Arhavi-Artvin)**

Demir Y., Aksu M.

Uluslararası Bilimsel Araştırmalar Kongresi, Ankara, Turkey, 12 - 13 December 2020, vol.1, pp.153-154

- II. **ROBERT ADASINDAKİ (GÜNEY SHETLAND, ANTARKTİKA) ZEOLİT GRUBU MİNERALLERİN KÖKENLERİNİN VE OLUŞUM ŞARTLARININ SIVI KAPANIM BULGULARIYLA BELİRLENMESİ**  
Kandemir R., Demir Y., Şen C., Yağcıoğlu U. C.  
4. Ulusal Kutup Bilimleri Çalıştayı, İstanbul, Turkey, 22 October 2020, pp.196-197
- III. **VOLCANOGENIC MASSIVE SULFIDE (VMS) DEPOSITS OF TURKEY**  
ÇİFTÇİ E., DEMİR Y., LERMİ A., BOZKAYA G., HANİLÇİ N.  
15th Quadrennial International Association on the Genesis of Ore Deposits Symposium, 28 - 31 August 2018
- IV. **SULFUR AND OXYGEN ISOTOPE CHARACTERISTICS OF TURKISH VMS DEPOSITS**  
ÇİFTÇİ E., DEMİR Y., LERMİ A., BOZKAYA G., HANİLÇİ N.  
15th Quadrennial International Association on the Genesis of Ore Deposits Symposium, 28 - 31 August 2018
- V. **Geochemistry and Fluid Inclusion Properties of the Sivrikaya Fe-Skarn Mineralization (Rize, NE Turkey)**  
DEMİR Y., UYSAL İ., KANDEMİR R., JAUSS A.  
IMESET 2018 DUBAI, Dubai, United Arab Emirates, 25 October 2018
- VI. **Geological, Mineralogical and Geochemical Properties of The Dağbaşı Fe-Cu-Zn Skarn Ores (Araklı-Trabzon)**  
DEMİR Y.  
IMESET 2018 DUBAI, Dubai, United Arab Emirates, 25 - 27 October 2018
- VII. **FLUID INCLUSIONS CHARACTERISTICS OF TURKISH VMS DEPOSITS**  
ÇİFTÇİ E., BOZKAYA G., HANİLÇİ N., DEMİR Y., LERMİ A., BANKS D.  
IAGOD, 28 - 31 August 2018
- VIII. **Mineral Paragenesis and Fluid Inclusion Characteristics of Cerattepe VMS deposits (Artvin-Turkey)**  
AKPINAR İ., ÇİFTÇİ E., DEMİR Y.  
Uluslararası katılımlı VIII. Jeokimya Sempozyumu, Antalya-Manavgat, Turkey, 2 - 06 May 2018
- IX. **GEOCHEMISTRY, FLUID INCLUSION AND STABLE ISOTOPE CONSTRAINTS (C AND O) OF THE SİVRİKAYA FESKARNMINERALİZASYON (RİZE, NE-TURKEY)**  
DEMİR Y., UYSAL İ., KANDEMİR R., JAUSS A.  
Subduction Related Ore Deposits, 23 - 26 September 2017
- X. **SİVRİKAYA FE-SKARN CEHERLEŞMESİNİN JEOKİMYASAL, SIVI KAPANIM VE İZOTOP JEOLJİSİ (C VE O) ÖZELLİKLERİ, (RİZE, KD-TÜRKİYE)**  
DEMİR Y., UYSAL İ., KANDEMİR R., KALIWODA M., JAUSS A.  
70. Türkiye Jeoloji Kurultayı, 10 - 14 April 2017
- XI. **Microthermometric and Raman spectroscopic properties of fluid inclusions of the Sivrikaya Fe skarn deposit İkizdere NE Turkey**  
DEMİR Y., KANDEMİR R., JAUSS A.  
World Multidisciplinary Earth Sciences Symposium, WMESS, Turkey, 5 - 09 September 2016
- XII. **Mineral chemistry and stable isotope O H and C constraints of the Dağbaşı skarn occurrences Trabzon NE Turkey**  
DEMİR Y., DIŞLI A.  
WMESS World Multidisciplinary Earth Science, Prag, Turkey, 5 - 09 September 2016
- XIII. **Microbial formed Fe MN Oncoids from Condensed Lower Jurassic Deposit A case study from eastern Pontides**  
KANDEMİR R., DEMİR Y.  
31st IAS Meeting of Sedimentology, 22 - 25 June 2015
- XIV. **Mineral Chemistry and Fluid Inclusion Properties of the Sivrikaya Fe Skarn Occurrences İkizdere Rize NE Turkey**  
DEMİR Y., KANDEMİR R., UYSAL İ., DIRK M.  
WMESS 2015, 7 - 11 September 2015

## XV. Mineral Chemical Investigation of the Daübaşı Skarn Occurrences Trabzon NE Turkey

DEMİR Y.

WMES 2015, 7 - 11 September 2015

### Expert Reports

#### I. Zemin ve Değer Tespiti

DEMİR Y.

Pazar I Asliye Hukuk Mahkemesi, pp.3, Rize, 2014

### Supported Projects

USTABAŞ İ., BALTAŞ H., DEMİR Y., YAVAŞI H., DEMİRCİ M., Project Supported by Higher Education Institutions, Pirit, krom ve magnetit agregalı ağır betonların radyasyon soğurma ve mekanik özellikleri, 2015 - 2017

DEMİR Y., TÜBİTAK Project, Dağbaşı Yöresi (Araklı-Trabzon) Skarn Cevherlerinin Jeokimyasal ve Kökensel Özellikleri, 2013 - 2016

### Patent

Tomakin M., Nevruzoğlu V., Yüzüak E., Eren H., Demir Y., Altuntaş M., Ovalı R. V., Bir üriner sistem taş fragmantasyon yöntemi, Patent, CHAPTER A Human Needs, The Invention Registration Number: 2019/02287 , Standard Registration, 2022

### Metrics

Publication: 37

Citation (WoS): 97

Citation (Scopus): 106

H-Index (WoS): 6

H-Index (Scopus): 6

### Congress and Symposium Activities

MINERAL CHEMISTRY AND FLUID INCLUSION PROPERTIES OF THE SIVRIKAYA Fe-SKARN OCCURRENCES (İKİZDERE-RIZE, NE-TURKEY), Attendee, Praha, Czech Republic, 2015

MINERAL CHEMICAL INVESTIGATION OF THE DAĞBAŞI SKARN OCCURRENCES (TRABZON, NE-TURKEY), Attendee, Praha, Czech Republic, 2015

Kondanse Pelajik Çökellerdeki Mikrobik Faaliyetlerle Oluşmuş, Fe-Mn Onkoidler, Attendee, Van, Turkey, 2015

Microbial-formed Fe-Mn Oncooids from Condensed Lower Jurassic Deposits: A Case Study from Eastern Pontides, Attendee, Kraków, Poland, 2015

Dağbaşı Fe-Skarn Cevherlerinin Mineral Kimyası ve Sıvı Kapanım Özellikleri (Trabzon, KD-Türkiye), Attendee, Ankara, Turkey, 2015