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Address: Department of Geological Engineering, Karadeniz Technical University, 61080, Trabzon, Turkey

Education Information

Post Doctorate, University of Manchester, School Of Earth And Environmental Sciences, Carbonate Research Within Basin Studies, United Kingdom 2019 - 2020

Doctorate, Karadeniz Technical University, Fen Bilimleri Enstitüsü, Jeoloji Mühendisliği Bölümü, Turkey 2013 - 2019

Doctorate, University of Windsor, Earth And Environmental Sciences, Visiting Phd Student, Geology , Canada 2018 - 2018

Postgraduate, Istanbul Technical University, Fen Bilimleri Enstitüsü, Jeoloji Mühendisliği Bölümü, Turkey 2010 - 2012

Undergraduate, Istanbul Technical University, Maden Fakültesi, Jeoloji Mühendisliği Bölümü, Turkey 2005 - 2010

Certificates, Courses and Trainings

Education Management and Planning, Biostratigraphy, Sequence Stratigraphy and their relevance to Petroleum Exploration, Mike Simmons (Halliburton, Oxford, UK), Istanbul Technical University, Avrasya Yer Bilimleri, Turkey, 2017
Education Management and Planning, International Workshop on Subduction Related Ore Deposits (SROD), Karadeniz Technical University, Turkey, 2017

Education Management and Planning, Flügel-Course: International Course on Carbonate Microfacies, Friedrich-Alexander Universität Erlangen-Nürnberg (FAU), Germany, 2016

Education Management and Planning, An International Workshop on The Petrology and Petrogenesis of Igneous Rocks, Karadeniz Technical University, Turkey, 2015

Other, Individual Technical trip for view of Hydroseparation Laboratory in Spanish Universities, Individual Technical trip organized by Prof. Dr. İbrahim Uysal and Prof. Dr. Faruk Aydın in Spain, 2015

Other, Geological field trips, views of laboratories-Study Trips for Groups of Foreign Students to Germany, DAAD-Germany, 2014

Education Management and Planning, CONVERGENT MARGINS-Workshop, Karadeniz Technical University, Turkey, 2013

Research Areas

Geological Engineering, General Geology, Sedimentology, Engineering and Technology

Academic Titles / Tasks

Assistant Professor, Karadeniz Technical University, Mühendislik Fakültesi, Jeoloji Mühendisliği, 2019 - Continues

Research Assistant, Karadeniz Technical University, Mühendislik Fakültesi, Jeoloji Mühendisliği, 2013 - 2019

Other, University of Windsor, Earth And Environmental Sciences, Geology, 2018 - 2018

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **DIAGENETIC EVOLUTION OF SECONDARY EVAPORITES AND ASSOCIATED HOST-ROCK DOLOSTONES IN THE HURON DOMAIN (MICHIGAN BASIN): INSIGHTS FROM PETROGRAPHY, GEOCHEMISTRY, AND C-O-S-SR ISOTOPES**
Al-Aasm I. S., Crowe R., Tortola M., ÖZYURT M.
Journal of Sedimentary Research, vol.94, no.2, pp.159-178, 2024 (SCI-Expanded)
- II. **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)
- III. **Microfacies and geochemistry of Kimmeridgian limestone strata in the Eastern Pontides (North-East Turkey): Palaeoclimate and palaeoenvironmental influence on organic matter enrichment**
ÖZYURT M., KIRMACI M. Z.
Depositional Record, 2024 (SCI-Expanded)
- IV. **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)
- V. **Sedimentological and geochemical characteristics of Lower Jurassic Sandstones from Gumushane, NE Turkey: implications for source to sink processes, paleoenvironmental conditions, provenance and tectonic settings**
KANDEMİR R., ÖZYURT M., Karsli O.
INTERNATIONAL GEOLOGY REVIEW, vol.64, no.12, pp.1719-1742, 2022 (SCI-Expanded)
- VI. **Sedimentological and geochemical approaches for determination of the palaeoceanographic and palaeoclimatic conditions of Lower Cretaceous marine deposits in the eastern part of Sakarya Zone, NE Turkey**
ÖZYURT M., KIRMACI M. Z., YILMAZ İ., KANDEMİR R., Tasli K.
CARBONATES AND EVAPORITES, vol.37, no.2, 2022 (SCI-Expanded)
- VII. **The Effects of Rock Chemistry and Ecological Factors on Plant Diversity in the Tokatli Canyon of Turkey**
Turkis S., Elmas E., ÖZYURT M.
RUSSIAN JOURNAL OF ECOLOGY, vol.51, no.5, pp.452-465, 2020 (SCI-Expanded)
- VIII. **REE Characteristics of Lower Cretaceous Limestone Succession in Gumushane, NE Turkey: Implications for Ocean Paleoredox Conditions and Diagenetic Alteration**
ÖZYURT M., KIRMACI M. Z., Al-Aasm I., Hollis C., Tasli K., KANDEMİR R.
MINERALS, vol.10, no.8, 2020 (SCI-Expanded)
- IX. **Origin of Eocene adakitic magmatism in northwest Turkey**
ÖZYURT M., Altunkaynak Ş.
JOURNAL OF ASIAN EARTH SCIENCES, vol.190, 2020 (SCI-Expanded)
- X. **Palaeoenvironment reconstruction and planktonic foraminiferal assemblages of Campanian (Cretaceous) carbonate succession, Cayrba area (Trabzon, NE Turkey)**
Turk-Oz E., Ozyurt M.
CARBONATES AND EVAPORITES, vol.34, no.2, pp.419-431, 2019 (SCI-Expanded)
- XI. **Geochemical characteristics of Upper Jurassic - Lower Cretaceous platform carbonates in Hazine Magara, Gumushane (northeast Turkey): implications for dolomitization and recrystallization**
ÖZYURT M., KIRMACI M. Z., Al-Aasm I. S.
CANADIAN JOURNAL OF EARTH SCIENCES, vol.56, no.3, pp.306-320, 2019 (SCI-Expanded)
- XII. **Multistage dolomitization in Late Jurassic-Early Cretaceous platform carbonates (Berdiga Formation), Basoba Yayla (Trabzon), NE Turkey: Implications of the generation of magmatic arc on dolomitization**

KIRMACI M., YILDIZ M., KANDEMİR R., EROGLU-GUMRUK T.
MARINE AND PETROLEUM GEOLOGY, vol.89, pp.515-529, 2018 (SCI-Expanded)

XIII. **Eocene Granitic Magmatism in NW Anatolia (Turkey) revisited: New implications from comparative zircon SHRIMP U-Pb and Ar-40-Ar-39 geochronology and isotope geochemistry on magma genesis and emplacement**

Altunkaynak Ş., Sunal G., ALDANMAZ E., Genc C. S., Dilek Y., FURNES H., Foland K. A., YANG J., Yildiz M.
LITHOS, vol.155, pp.289-309, 2012 (SCI-Expanded)

Articles Published in Other Journals

- I. **Geochemistry of the Aptian bituminous limestones in Gümüşhane area, Eastern Black Sea region: new insight into paleogeography and paleoclimate conditions**
ÖZYURT M.
Acta Geochimica, vol.42, no.6, pp.971-987, 2023 (ESCI)
- II. **Geochemistry of the Turonian-Coniacian strata: New insight into paleoenvironmental conditions of the Tethys, Eastern Pontides, NE Türkiye**
ÖZYURT M., KANDEMİR R., Yıldızoğlu S.
JOURNAL OF ASIAN EARTH SCIENCES-X, vol.10, 2023 (ESCI)

Books & Book Chapters

- I. **Sedimentological and Geochemical Records of Lower Cretaceous Carbonate Successions Around Trabzon (NE Turkey)**
ÖZYURT M., KIRMACI M. Z., YILMAZ İ. Ö., Kandemir R.
in: Patterns and Mechanisms of Climate, Paleoclimate and Paleoenvironmental Changes from Low-Latitude Regions, Zhang Z., Khélif N., Mezghani A. and Heggy E., Editor, Springer, London/Berlin , Berlin, pp.19-21, 2019
- II. **Diagenetic Evolution of Upper Jurassic-Lower Cretaceous Berdiga Formation, NE Turkey: Petrographic and Geochemical Evidence**
ÖZYURT M., Al-Aasm İ., KIRMACI M. Z.
in: Paleobiodiversity and Tectono-Sedimentary Records in the Mediterranean Tethys and Related Eastern Areas, Boughdiri, M., Bádenas, B., Selden, P., Jaillard, E., Bengtson, P., Granier, B.R.C., Editor, Springer, London/Berlin , Berlin, pp.175-177, 2019
- III. **Diagenetic Evolution of Upper Jurassic-Lower Cretaceous Berdiga Formation, NE Turkey: Petrographic and Geochemical Evidence .**
ÖZYURT M., Al Aasm İ., KIRMACI M. Z.
in: Paleobiodiversity and Tectono-Sedimentary Records in the Mediterranean Tethys and Related Eastern Areas, Mabrouk Boughdiri • Beatriz Bádenas Paul Selden • Etienne Jaillard Peter Bengtson • Bruno R. C. Granier, Editor, Springer, Cham, pp.175-178, 2019
- IV. **Sedimentological and Geochemical Records of Lower Cretaceous Carbonate Successions Around Trabzon (NE Turkey): Implications for Paleoenvironmental Evolution and Paleoclimatological Conditions of Tethys**
ÖZYURT M., KIRMACI M. Z., YILMAZ İ. Ö., KANDEMİR R.
in: Patterns and Mechanisms of Climate, Paleoclimate and Paleoenvironmental Changes from Low-Latitude Regions, Zhihua Zhang • Nabil Khélifi Abdelkader Mezghani Essam Heggy, Editor, Springer, Cham, pp.19-22, 2019

Refereed Congress / Symposium Publications in Proceedings

- I. **REE+Y characteristics of shallow to deep marine carbonates in Gümüşhane (NE Turkey): Application**

for paleoenvironmental reconstruction

ÖZYURT M., Hollis C.

International Association of Sedimentology, Rome, Italy, 10 September 2020 - 13 September 2019, pp.73

- II. **MICROFACIES, MICROPALAEONTOLOGICAL AND ISOTOPIC RECORDS OF LOWER CRETACEOUS CARBONATE SUCCESSION (TRABZON, NE TURKEY)**
ÖZYURT M., KIRMACI M. Z., Yılmaz İ. Ö., TASLI K., Kandemir R.
Sedimentoloji Çalışma Grubu (SÇG), Elazığ, Turkey, 5 - 08 September 2019, pp.8
- III. **Trace elements and REE geochemistry of Late Jurassic-Early Cretaceous Platform Carbonates, Ayralaksa Area (Trabzon, NE Turkey): Implications for diagenetic processes**
ÖZYURT M., KIRMACI M. Z., KANDEMİR R.
Goldschmidt2019 Abstract, Barcelona, Spain, 18 - 23 August 2019, pp.1047
- IV. **DOLOMITIZATION AND LATER HYDROTHERMAL ALTERATION OF THE LATE JURASSIC-EARLY CRETACEOUS PLATFORM CARBONATES, ESKİ GÜMÜŞHANE AREA (EASTERN PONTIDE, NE TURKEY)**
ÖZYURT M., KIRMACI M. Z., Al-Aasm I. S., Kandemir R.
International sedimentology congress, Quebec, Canada, 13 - 18 August 2018, vol.1, pp.104
- V. **TECTONO-SEDIMENTARY EVOLUTION OF THE UPPER JURASSIC AND CRETACEOUS DEPOSITS IN THE MESCITLI AREA, GÜMÜŞHANE, NE TURKEY: CLUES TO TRANSITION BETWEEN THE PLATFORM AND BASIN FACIES**
KIRMACI M. Z., ÖZYURT M., Kandemir R., Yılmaz İ. Ö.
International sedimentology congress, Quebec, Canada, 13 - 18 August 2018, vol.1, pp.108
- VI. **Geochemical characteristics and origin of dolomite in Late Jurassic-Early Cretaceous platform carbonates, Ayralaksa Yayla (Trabzon, NE Turkey)**
ÖZYURT M., KIRMACI M. Z., KANDEMİR R.
10th ISC - International Symposium on the Cretaceous, Viyana, Austria, 21 - 26 August 2017, pp.305
- VII. **Microfacies and depositional environment of Campanian (Cretaceous) deposits, Düzköy (Trabzon, NE Turkey)**
Türk-Öz E., ÖZYURT M.
10th ISC - International Symposium on the Cretaceous, Viyana, Austria, 21 - 26 August 2017, pp.262
- VIII. **Records of paleoclimatic and palaeoenvironmental conditions in platform to slope carbonates, lower Cretaceous, Ayralaksa Yayla (Trabzon, NE Turkey)**
ÖZYURT M., KIRMACI M. Z., YILMAZ İ. Ö., KANDEMİR R.
10th ISC - International Symposium on the Cretaceous, Viyana, Austria, 21 August - 26 November 2017, pp.304
- IX. **Benthic Foraminiferal Assemblages and Facies Analysis of the Late Jurassic-Early Cretaceous Platform Carbonate Succession in the Mescitli-İkisu Area (Gümüşhane, NE Turkey)**
YILDIZ M., KIRMACI M. Z., KANDEMİR R., TASLI K.
ICOCEE - CAPPADOCIA2017, Nevşehir, Turkey, 8 - 10 May 2017, pp.335-443
- X. **Dolomitization in Late Jurassic-Early Cretaceous Platform Carbonates (Berdiga Formation), Ayralaksa Yayla (Trabzon), NE Turkey**
ÖZYURT M., KIRMACI M. Z., KANDEMİR R.
European Geosciences Union General Assembly, Viyana, Australia, 23 - 28 April 2017, pp.11661
- XI. **DOLOMITIZATION IN LATE JURASSIC-EARLY CRETACEOUS PLATFORM CARBONATES (BERDİGA FORMATION), BAŞOBA YAYLA (TRABZON), NE TURKEY: INFLUENCE OF THE MAGMATIC ARC GENERATION ON DOLOMITIZATION**
YILDIZ M., KIRMACI M. Z., KANDEMİR R., EROĞLU GÜMRÜK T.
Türkiye Jeoloji Kurultayı, Ankara, Turkey, 10 - 14 April 2017, pp.2
- XII. **GEÇ JURA-ERKEN KRETASE YAŞLI PLATFORMKARBONATLARINDAKİ (BERDİGA FORMASYONU) DOLOMITLEŞMENİN KÖKENİ VE MAĞMATİK YAY GELİŞİMİNİN DOLOMITLEŞME ÜZERİNDEKİ ETKİSİ, BAŞOBA YAYLA (TRABZON), KD TÜRKİYE**
ÖZYURT M., KIRMACI M. Z., KANDEMİR R., EROĞLU T.
70. Türkiye Jeoloji Kurultayı, 10 - 14 April 2017
- XIII. **MICROFACIES ANALYSIS AND DEPOSITIONAL ENVIRONMENT OF LATE JURASSIC-EARLY CRETACEOUS**

BERDİGA FORMATION, AYRALAKSA YAYLA (TRABZON), EASTERN PONTIDES NORTHERN ZONE

YILDIZ M., KIRMACI M. Z., KANDEMİR R., TASLI K.

Türkiye Jeoloji Kurultayı, Ankara, Turkey, 10 - 14 April 2017, pp.1

- XIV. **Microfacies analysis and depositional environment of Late Jurassic-Early Cretaceous Berdiga Formation, Ayralaksa yayla (Trabzon), Eastern Pontides Northern zone**
ÖZYURT M., KIRMACI M. Z., KANDEMİR R., TASLI K.
70th Geological congress of Turkey cultural geology and geological heritage, 10 - 14 April 2017
- XV. **Dolomitization In Late Jurassic-Early Cretaceous Platform Carbonates (Berdiga Formation), Başoba Yayla (Trabzon), Ne Turkey: Implications Of The Generation Of Magmatic Arc On Dolomitization**
ÖZYURT M., KIRMACI M. Z., KANDEMİR R., EROĞLU T.
70th Geological Congress Of Turkey Cultural Geology And Geological Heritage, 10 - 14 April 2017
- XVI. **GEÇ JURA-ERKEN KRETASE YAŞLI BERDİGA FORMASYONUNUN MİKROFASİYES ANALİZİ VE ÇÖKELMEORTAMI, AYRALAKSA YAYLASI (TRABZON), DOĞUPONTİDLER KUZEY ZON**
ÖZYURT M., KIRMACI M. Z., KANDEMİR R., TASLI K.
Uluslararası Katılımlı 70. Türkiye Jeoloji Kurultayı, 10 - 14 April 2017
- XVII. **Petrographic and geochemical characteristics of dolomitization in the Late Jurassic-Early Cretaceous platform carbonates, Başoba Yayla (Eastern Pontides, NE Turkey)**
YILDIZ M., KIRMACI M. Z., KANDEMİR R., EROĞLU GÜMRÜK T.
European Geosciences Union (EGU) General Assembly 2015, Viyana, Austria, 12 - 17 April 2015, vol.17, no.1478, pp.5
- XVIII. **Petrographic and geochemical characteristics of dolomitization in the Late Jurassic-Early Cretaceous platform carbonates, Başoba Yayla (Eastern Pontides, NE Turkey)**
YILDIZ M., KIRMACI M. Z., KANDEMİR R., EROĞLU GÜMRÜK T.
EGU 2015, Viyana, Austria, 12 - 17 April 2015, vol.2015, no.1478, pp.5
- XIX. **Timing and origin of continental (K-type) adakites in NW Anatolia (Turkey)**
YILDIZ M., Altunkaynak Ş.
International Earth Science Colloquium on the Aegean Region, İzmir, Turkey, 25 - 28 October 2012, vol.2012, pp.384
- XX. **Geochemistry and ⁴⁰Ar/³⁹Ar Geochronology of Adakite-Like Porphyries in NW Turkey: Implications For Slab Breakoff Induced Adakitic Magmatism**
YILDIZ M., Altunkaynak Ş.
Goldschmidt, Prag, Czech Republic, 17 - 22 September 2011, vol.2011, pp.2219
- XXI. **ADAKİTİK PORFİRİLERİN PETROLOJİSİ, JEOKRONOLOJİSİ VE BÖLGE JEODİNAMİĞİNDEKİ YERİ (KB ANADOLU, TÜRKİYE)**
Altunkaynak Ş., YILDIZ M.
Türkiye Jeoloji Kurultayı, Ankara, Turkey, 25 - 29 April 2011, vol.2011, pp.25

Other Publications

- I. **Alp Ünal, Ömer Kamacı, Merve Yıldız, Gizem Atabek, Serhat Yazar, Şafak Altunkaynak, "Volcanic Stratigraphy and Petrology of Susurluk Volcanites (NW Turkey)**
UNAL A., KAMACI Ö., YILDIZ M., ATABEK G., YAZAR S., ALTUNKAYNAK Ş.
Other, pp.391-398, 2012
- II. **CAUSES, MELT SOURCES AND PETROLOGICAL EVOLUTION OF ADAKITIC MAGMATISM IN NW TURKEY**
YILDIZ M., ALTUNKAYNAK Ş.
Other, pp.17-24, 2012

Supported Projects

KIRMACI M. Z., ÖZYURT M., KARA GÜLBAY R., Project Supported by Higher Education Institutions, Üst Jura-Alt Kretase karbonatlarının paleocoğrafik koşulları, Gümüşhane ve Trabzon (KD Türkiye): Mikrofasiyes ve Jeokimyasal özellikleri (18O 13C izotop değerleri ve REE karakterleri), 2018 - 2022

KIRMACI M. Z., YILDIZ M., Project Supported by Higher Education Institutions, Gümüşhane KD Türkiye yöresinde yaygın olarak yüzeylenen Geç Jura-Erken Kretase yaşlı platform karbonatlarındaki (Berdiga Formasyonu) dolomitlerin kökeni, 2015 - 2019

ÖZYURT M., Other International Funding Programs, Origin of dolomite in the Late Jurassic-Early Cretaceous platform carbonates from NE Turkey, 2018 - 2018

Scientific Refereeing

SEDIMENTOLOGY, SCI Journal, July 2020

CARBONATES AND EVAPORITES, SCI Journal, January 2020

Periodico Di Mineralogia, SCI Journal, January 2020

CARBONATES AND EVAPORITES, SCI Journal, June 2018

Carbonate and evaporite, SCI Journal, May 2017

Carbonate and evaporite, SCI Journal, January 2017

Scientific Research / Working Group Memberships

Sedimentology, Turkish Sedimentological Working Group, Turkey, <http://www.sedimantoloji.org/>, 2017 - Continues

Sedimentologists, International Association of Sedimentologists, England, <https://www.sedimentologists.org/>, 2013 - Continues

Metrics

Publication: 42

Citation (WoS): 93

Citation (Scopus): 96

H-Index (WoS): 5

H-Index (Scopus): 5

Congress and Symposium Activities

International sedimentology congress, Attendee, Quebec, Canada, 2018

Non Academic Experience

University of Windsor (ON, Canada)