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Education Information

Post Doctorate, Istanbul Technical University, Maden, Jeoloji Mühendisliği, Turkey 2021 - 2022
Doctorate, Istanbul Technical University, Maden, Jeoloji Mühendisliği, Turkey 2012 - 2016
Postgraduate, Benha University, Science, Geology, Egypt 2006 - 2009
Undergraduate, Benha University, Science, Geology, Egypt 1999 - 2003

Foreign Languages

Turkish, C1 Advanced
English, C1 Advanced

Dissertations

Doctorate, GENESIS OF THE GOLD MINERALIZATION AT ATUD AREA, CENTRAL EASTERN DESERT OF EGYPT: GEOLOGICAL, ORE MINERALOGICAL AND GEOCHEMICAL APPROACHES , Istanbul Technical University, Maden, Jeoloji Mühendisliği, 2016
Postgraduate, Geology, petrography, geochemistry and petrogenesis of the Pan-African Basement rocks in the area around Gabal Hamrat Salma - Wadi Shait terrain, South Eastern Desert, Egypt, Benha, Science, Geology, 2009

Research Areas

Geology, Ore Deposits-Geochemistry, Mineralogy-petrography

Academic Titles / Tasks

Assistant Professor, Istanbul Technical University, Maden, Jeoloji Mühendisliği, 2022 - Continues
Associate Professor, Benha University, Faculty of Science, Geology Department, 2022 - Continues

Assistant Professor, Benha University, Faculty of Science, Geology Department, 2016 - 2022
Research Assistant, Benha University, Faculty of Science, Geology Department, 2005 - 2016

Published journal articles indexed by SCI, SSCI, and AHCI

I. **Sulfur and Carbon–Oxygen Isotopic Geochemistry and Fluid Inclusion Characteristics of the Yolindi Cu-Fe Skarn Mineralization, Biga Peninsula, NW Turkey: Implications for the Source and Evolution of Hydrothermal Fluids**
Kaya M., Kumral M., Yalçın C., Abdelnasser A.
Minerals, vol.13, no.12, 2023 (SCI-Expanded)

II. **Genesis and Evolution of the Yolindi Cu-Fe Skarn Deposit in the Biga Peninsula (NW Turkey): Insights from Genetic Relationships with Calc-Alkaline Magmatic Activity**
Kaya M., Kumral M., Yalçın C., Khalıl A. A. A.
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III. **The Evolution of the REE-Bearing Özvatan Nepheline Syenite-Carbonatite Complex, Central Turkey: Mineralogical, Geochemical, and Stable Isotopic Approaches**
Ünlüer A. T., Budakoglu M., Doner Z., Abdelnasser A. A. A.
Minerals, vol.13, no.5, 2023 (SCI-Expanded)

IV. **Post-Subduction Granite Magmatism and Gold-Sulfide Mineralization in the Abu Zawal (Fatira) Area, Eastern Desert, Egypt**
El-Wardany R. M., Jiao J., Zoheir B., Kumral M., Kaya M., Khalıl A. A. A.
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V. **Sulfide disseminations and hydrothermal alteration haloes in the Gabal Monqul area, Egypt: Field, mineralogical, and remote sensing studies**
Khalıl A. A. A., Khedr L., Kharbish S., Zoheir B., Zamzam S.
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VI. **Physicochemical conditions of the evolution of the volcanic-hosted Zn-Pb ± Cu epi-mesothermal vein-type deposit and its contribution to the understanding of western Anatolian metallogeny, NW Turkey**
Javid F., Çiftçi E., Khalıl A. A. A.
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VII. **Evolution of the Tepeoba porphyry-skarn Cu-Mo-Au deposit, NW Turkey: New mineralogical and geochemical findings**
Abdelnasser A. A. A., Kumral M., Zoheir B., YILMAZ H.
ORE GEOLOGY REVIEWS, vol.147, 2022 (SCI-Expanded)

VIII. **The effect of the Najd shear deformation on the Pan-African belt of the central Egyptian Nubian Shield: a synthesis for the post-collision tectonic events**
Hagag W., Hamimi Z., Abdelnasser A. A. A.
JOURNAL OF ASIAN EARTH SCIENCES, vol.224, 2022 (SCI-Expanded)

IX. **Mantle source heterogeneity in a Neoproterozoic back-arc basin: Geochemical and thermodynamic modeling of the volcanic section of Wadi Ghadir ophiolite, Egypt**
Zoheir B., Diab A., Koutsovitis P., Feigenson M., El-Bialy M., Abdelnasser A. A. A., Alam T. A.
PRECAMBRIAN RESEARCH, vol.368, 2022 (SCI-Expanded)

X. **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)

XI. **High resolution mapping of alteration zones in Daghbag and Bakriya gold occurrences (Central Eastern Desert, Egypt) using field, mineralogical-geochemical, and remote sensing data**
Hagag W., Khalıl A. A. A.

ARABIAN JOURNAL OF GEOSCIENCES, vol.14, no.14, 2021 (SCI-Expanded)

XII. **Ore-forming mechanism and its relationship with deformational and metamorphic episodes at Haimur gold mine, Nubian Shield, Egypt**
Abd El Monsef M., Khalıl A. A. A.
Geological Magazine, vol.158, no.3, pp.518-536, 2021 (SCI-Expanded)

XIII. **Mineral Resources in Egypt (I): Metallic Ores**
El Aref M., Abd El-Rahman Y., Zoheir B., Surour A., Helmy H. M., Abdelnasser A. A. A., Ahmed A. H., Ibrahim M. E.
GEOLOGY OF EGYPT, pp.521-587, 2020 (SCI-Expanded)

XIV. **Orogenic gold in transpression and transtension zones: Field and remote sensing studies of the Barramiya-Mueilha sector, Egypt**
Zoheir B., El-Wahed M. A., Pour A. B., Khalıl A. A. A.
Remote Sensing, vol.11, no.18, 2019 (SCI-Expanded)

XV. **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)

XVI. **The nature of gold-bearing fluids in Atud gold deposit, Central Eastern Desert, Egypt**
Abdelnasser A. A. A., Kumral M.
INTERNATIONAL GEOLOGY REVIEW, vol.59, no.15, pp.1845-1860, 2017 (SCI-Expanded)

XVII. **Mineral chemistry and geochemical behavior of hydrothermal alterations associated with mafic intrusive-related Au deposits at the Atud area, Central Eastern Desert, Egypt**
Khalıl A. A. A., Kumral M.
ORE GEOLOGY REVIEWS, vol.77, pp.1-24, 2016 (SCI-Expanded)

XVIII. **Geochemistry of Hydrothermal Alteration Associated with Cenozoic Intrusion-Hosted Cu-Pb-Zn Mineralization at Tavsanli Area, Kutahya, NW Turkey**
Kumral M., ABDELNASSER A. A. A., Budakoğlu M.
MINERALS, vol.6, no.1, 2016 (SCI-Expanded)

XIX. **The rare earth element geochemistry on surface sediments, shallow cores and lithological units of Lake Acigöl 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)

Articles Published in Other Journals

I. **GEOCHEMICAL AND MINERALOGICAL INVESTIGATION OF KOCASEYİT POLYMETALLIC Cu-As-Ni-Pb VEIN-TYPE MINERALIZATION, HAVRAN (BALIKESİR), NW TÜRKİYE**
YILDIRIM D., Abdelnasser A., KUMRAL M.
KSÜ Mühendislik Bilimleri Dergisi, vol.26, no.2, pp.489-505, 2023 (Peer-Reviewed Journal)

II. **Geochemical Characteristics of the Pan-African Basement Rocks at Atud Area, Central Eastern Desert, Egypt**
Khalıl A. A. A.
Afyon Kocatepe Üniversitesi Fen ve Mühendislik Bilimleri Dergisi, vol.22, pp.944-962, 2022 (Peer-Reviewed Journal)

Books & Book Chapters

I. **Mineral Resources in Egypt (I): Metallic Ores**
El Aref M., Abd El-Rahman Y., Zoheir B., Surour A., Helmy H., Khalıl A. A. A., Ahmed A. H., Ibrahim M. E.
in: The Geology of Egypt, Zakaria Hamimi,Ahmed El-Barkooky,Jesús Martínez Frías,Harald Fritz,Yasser Abd El-

Rahman, Editor, Springer, London/Berlin , Geneve, pp.521-587, 2019

Refereed Congress / Symposium Publications in Proceedings

I. **Understanding Magma Nature of Post-Collisional Alkaline Granites Around Uludag (NW, Turkiye): Implications for New Geodynamic Scenarios**
KOCATÜRK H., KUMRAL M., ÜNLÜER A. T., KAYA M., SÜTÇÜ N. M., DÖNER Z., SENDİR H., KHALIL A. A. A.
EGU General Assembly 2023, VİYANA, Austria, 23 - 28 April 2023, pp.14762

II. **Origin and characteristics of the gold-bearing quartz carbonate veins in Şirindere area, Aydın (Western Turkiye): Implication for fluid inclusion data**
BAYRAM H. N., KUMRAL M., BAKKALBAŞI A. E., KAYA M., KHALIL A. A. A.
EGU General Assembly 2023, VİYANA, Austria, 23 - 28 April 2023, pp.7918

III. **Evolution of the hydrothermal fluids of the Yolindi Fe-Cu skarn deposit, Biga peninsula, NW Turkiye: Evidence from carbon-oxygen isotopic variations of calcite minerals**
KAYA M., KUMRAL M., KHALIL A. A. A., YALÇIN C., ÖZTÜRK S., BAYRAM H. N., KAYA B.
EGU General Assembly 2023, VİYANA, Austria, 23 - 28 April 2023, pp.13798

IV. **Geochemistry of Suture Zone Granitoids Around Uludag (NW Turkiye): Insights into Cenozoic Tectono-Magmatic Evolution of Western Anatolia**
KOCATÜRK H., KUMRAL M., Lecumberri-Sanchez P., SENDİR H., KAYA M., KAYA B., ÜNLÜER A. T., DÖNER Z., KHALIL A. A. A.
9th Geochemistry Symposium, Aydın, Turkey, 17 October 2022

Supported Projects

Khalıl A. A. A., Project Supported by Higher Education Institutions, A new prospective shear trend of the gold mineralization system in the Egyptian Eastern Desert Evidence from geochemical and microchemical data, 2024 - Continues
Yıldırım D., Khalıl A. A. A., Sütçü N. M., Project Supported by Higher Education Institutions, Isparta Açışı İçerisindeki AlkaliPotasik Kayaçların Evrimi ve Nadir Yer Elementleri Zenginleşmelerine Etkisinin Araştırılması, 2023 - Continues
Kumral M., Kaya M., Khalıl A. A. A., Project Supported by Higher Education Institutions, Yolindi (Biga, Çanakkale) Fe-Cu skarn cevherleşmesinin evrimi: Mineralojik, jeokimyasal ve izotopik yaklaşımlar, 2023 - 2024

Metrics

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