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RES. ASST.

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International Researcher IDs

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Biography

I have been conducting various researches on the exploration and prospecting of mineral deposits. I do work on the tectono-metallogenic modeling of the metallogenic provinces related with plate tectonics in order to understand the various of polymetallic mineralizations particularly gold depositions. While modeling, it is crucial to understand environment of magma & hydrothermal systems, structural controlling components and characteristics of fluids with their origins. To have optimized models I collect data which obtained already on the field, subsequently carry out geochemical/isotopic analyses, fluid inclusion and ore microscopy studies and evaluate them on GIS based softwares systematically.

Learning Knowledge

Doctorate 2017 - Continues	İstanbul Technical University, Fen Bilimleri Enstitüsü, Jeoloji Mühendisliği Bölümü, Turkey
Postgraduate 2014 - 2017	Eskisehir Osmangazi University, Fen Bilimleri Enstitüsü, Jeoloji Mühendisliği / Maden Yatakları Ve Jeokimya, Turkey
Postgraduate 2015 - 2016	İstanbul Technical University, Maden Fakültesi, Jeoloji Mühendisliği / Maden Yatakları Ve Jeokimya, Turkey
Undergraduate 2006 - 2013	Eskisehir Osmangazi University, Mühendislik-Mimarlık Fakültesi, Jeoloji Mühendisliği, Turkey

Foreign Languages

English

Dissertations

Doctorate, Uludağ Çevresindeki Magmatik ve Hidrotermal Sistemlerde Altın Taşıyan Akışkanların Tektono-Metalojenik Olarak Modellemesi (Bursa- KB Türkiye), Istanbul Technical University, Fen Bilimleri Enstitüsü, 2019

Postgraduate, İnegöl, Keles (Bursa) yöresi polimetallik cevherleşmelerin değerlendirilmesi, Eskisehir Osmangazi University, Graduate School Of Natural And Applied Sciences, 2017

Postgraduate, Uludağ'ın güneyinde gelişmiş granitoyidik intrüzyonlarla ilişkili cevherleşmelerin değerlendirilmesi, Istanbul Technical University, Fen Bilimleri Enstitüsü, 2016

Academic Titles / Tasks

Research Assistant
2015 - Continues

Istanbul Technical University, Maden, Jeoloji Mühendisliği

Published journal articles indexed by SCI, SSCI, and AHCI

1. **The Soma polymetallic hydrothermal Pb–Zn–Cu(\pm Mo \pm Ag \pm Au) mineralizations in the south of Biga Peninsula, NW Turkey: constraints from mineralogy, geochemistry, and fluid inclusion data**
Kumral M., Kabiru M., Aydogan M. S., Kocaturk H., Ünlüer A. T.
ARABIAN JOURNAL OF GEOSCIENCES, vol.15, no.12, pp.1-23, 2022 (SCI-Expanded)

Articles Published in Other Journals

1. **Constraints on unconsolidated pyroclastic flow sediments related REE enrichments originated from potassic-alkaline Golcuk stratovolcano: Daridere-Direkli-Yakaoren (DDY) table 4deposits, southwestern Anatolia of Turkey**
Budakoğlu M., Ünlüer A. T., Döner Z., Kocatürk H., Kaya M., Kumral M., Kırıkoğlu M. S.
ACTA GEOCHIMICA, vol.40, no.6, pp.926-944, 2021 (ESCI)

Refereed Congress / Symposium Publications in Proceedings

1. **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, VIYANA, Austria, 23 - 28 April 2023, pp.14762
2. **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, Aydin, Turkey, 17 October 2022
3. **REE-Th-U Enrichments in alkali-potassic rocks in Kestanbol Granitoid Complex (Ezine-Çanakkale, Turkey): Revealing the factors that cause mineralizations**
DÖNER Z., ÜNLÜER A. T., ÖZDAMAR Ş., SARIKAYA O., KAYA M., KOCATÜRK H., KUMRAL M., ESENLİ R. F.
9th Geochemistry Symposium, Aydin, Turkey, 17 October 2022
4. **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

5. **Hydrothermal Fluids and Polymetallic Ore Genesis Process, Yayladalı (Manisa)**
Kabiru M., KUMRAL M., SENDİR H., ÜNLÜER A. T., AYDOĞAN M. S., KOCATÜRK H.
ICELIS 2018, 26 - 29 April 2018
6. **Heavy Metal and Platinum Group Elements Potential of Yesilova-Tefenni Chromites (Burdur)**
SENDİR H., KUMRAL M., KOCATÜRK H., KAYA M.
ICELIS 2018, 26 - 29 April 2018
7. **Potential Enrichments of Incompatible Elements (Ba-Sr-LREE) and Li in a Volcanic Sequeneces of Seyitgazi District, Eskişehir, Turkey.**
BUDAKOĞLU M., KOCATÜRK H., ÜNLÜER A. T., KIRIKOĞLU M. S., DÖNER Z., KUMRAL M.
XXXV International Conference, 3 - 07 September 2018
8. **Characterization of Türkali Pluton and Yuntağ 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
9. **Geochemical Features of Polymetallic Deposits over İnegöl, Keleş Region**
SENDİR H., KOCATÜRK H.
2nd International Conference on Innovations in Natural Science and Engineering (ICINSE), 7 - 10 September 2018
10. **Potential enrichments of incompatible elements (Ba-Sr-LREE) and Li in an volcanic sequences of Seyitgazi District, Eskişehir, Turkey.**
BUDAKOĞLU M., KOCATÜRK H., ÜNLÜER A. T., KIRIKOĞLU M. S., DÖNER Z., KUMRAL M.
Magmatism of the Earth and Related Strategic Metal Deposits XXXV International Conference, Moscow, Russia, 3 - 07 September 2018
11. **Characterization of Turkali Pluton Yuntağ Volcanics Related Ore Genesis (Manisa-Turkey)**
KABİRU M., KOCATÜRK H., YILDIRIM D., KUMRAL M., ÜNLÜER A. T., BUDAKOĞLU M.
Magmatism of The Earth and Related Strategic Metal Deposits, 3 - 07 September 2018
12. **Isotopic features and Fluid Characterization of ore forming Process Gurgenyayla and Bogazova Plutons (Kutahya/Bursa/Bilecik-Turkey)**
BUDAKOĞLU M., KUMRAL M., ÜNLÜER A. T., KOCATÜRK H., SENDİR H.
Magmatism of the Earth and related strategic metal deposits, 3 - 07 September 2018
13. **REE and Trace Element distributions of Fe-Al laterites originated from Yoncayolu metamorphics, Kahramanmaraş (SE, Turkey).**
BUDAKOĞLU M., KIRIKOĞLU M. S., KOCATÜRK H., ÜNLÜER A. T., DÖNER Z., KUMRAL M.
Magmatism of the Earth and Related Strategic Metal Deposits XXXV International Conference, Moscow, Rusia, Moscow, Russia, 3 - 07 September 2018
14. **REE-Th enrichments of the Isparta Triangle, Southwestern Turkey.**
KIRIKOĞLU M. S., ÇİFTÇİ E., BUDAKOĞLU M., ÜNLÜER A. T., DÖNER Z., KURŞUN İ., KOCATÜRK H.
15th Quadrennial International Association on the Genesis of Ore Deposits Symposium, Salta, Argentina, 28 - 31 August 2018
15. **Heavy Metal and Platinum Group Elements Pottential of Yesilova-Tefenni Chromites(Burdur)**
SENDİR H., KUMRAL M., KOCATÜRK H., KAYA M.
International Congress on Engineering and Life Science (ICELIS), 26 - 29 April 2018
16. **Hydrotermally Enriched Thorium Potentials of Metamorphic Rocks: In Acielma Area, Kahramanmaraş, Turkey**
KIRIKOĞLU M. S., ÜNLÜER A. T., DÖNER Z., KOCATÜRK H., BUDAKOĞLU M., KUMRAL M.
International Energy Raw Materials and Energy Summit (Inerma2017), İstanbul, Turkey, 27 - 30 September 2017
17. **Hydrothermally Enriched Thorium Potensial pf Metamorphic Rocks: In Acielma Area Kahramanmaraş Turkey**
KIRIKOĞLU M. S., ÜNLÜER A. T., DÖNER Z., KOCATÜRK H., BUDAKOĞLU M., KUMRAL M.
INERMA 2017, 27 - 30 September 2017
18. **Understanding Rare Earth Elements Enrichments on the border of Ophiolitic Rocks and Schists (Southern Uludag)**

- KUMRAL M., KOCATÜRK H., kabiru m., SENDİR H.
Goldschmidt 2017, 13 - 18 August 2017
19. **Discussion of M-Type Plagiogranite at the south of Subduction Zone**
KABIRU M., KUMRAL M., KOCATÜRK H., KIRIKOĞLU M. S.
Goldschmidt 2017, Paris, France, 13 - 18 August 2017
20. **Comparing contiguous plutons related gold genesis: Sarıçayırıayla (Bilecik) and Dağdemirciler (Bursa)**
SENDİR H., KUMRAL M., KIRIKOĞLU M. S., KOCATÜRK H., ÇOBAN H.
Goldschmidt 2017, Paris, France, 13 - 18 August 2017
21. **Altered Alkaline Pyroclastics Related LREE Enrichment at Derekoy Region Isparta, SW Turkey**
KOCATÜRK H., ÜNLÜER A. T., DÖNER Z., KIRIKOĞLU M. S., KUMRAL M., BUDAKOĞLU M.
GOLDSCHMIDT, 13 - 18 August 2017
22. **Discussion of M-Type Plagiogranite at the South of Subduction Zone (Bursa-Uludag)**
Kabiru M., KUMRAL M., KOCATÜRK H., KIRIKOĞLU M. S.
Goldschmidt2017, August 13-18, Paris, France., 13 - 18 August 2017
23. **Titanium Enrichments, Minerals and Relations with Different Type Ore Genesis Processes on the Sogukpınar Region (Bursa)**
SENDİR H., KOCATÜRK H., KUMRAL M.
INTERNATIONAL CONGRESS onNATURAL and ENGINEERING SCIENCES, 21 - 25 July 2017
24. **Geochemical,Petrological and Mineralogical Investigation of Nickeliferous Laterite Goynukbelen, Turkey**
KABIRU M., KUMRAL M., KOCATÜRK H., GÜMÜŞ L., KAYA M.
EGU 2017, VİYANA, Austria, 23 - 28 April 2017
25. **LREE Enrichment of Alterd Alkaline Pyroclastics at kuyubaşı Region Burdur SW Turkey**
BUDAKOĞLU M., ÜNLÜER A. T., DÖNER Z., KOCATÜRK H., KIRIKOĞLU M. S.
EGU 2017, 24 - 28 April 2017
26. **LREE enrichments of altered alkaline pyroclastics at Kuyubasi Region Burdur, SW Turkey**
BUDAKOĞLU M., ÜNLÜER A. T., DÖNER Z., KOCATÜRK H., KIRIKOĞLU M. S.
EGU2017, Viyana, Austria, 23 - 28 April 2017
27. **Mantle derived potassic and ultra potassic rocks with enrichments of Rare Earth Elements REE on peneplains of Golcuk District Southern Turkey**
KIRIKOĞLU M. S., KOCATÜRK H., ÜNLÜER A. T., BUDAKOĞLU M., DÖNER Z., ABDELNASSER A., ÇİFTÇİ E.
35. International Geological Congress, Cape-Town, South Africa, 26 August - 04 September 2016
28. **Geochemical Soil Prospection for Locating Burried Antimony Deposits around Dağardı (Kütahya) Region**
Kumral M., Karabel S. B., Kocatürk H.
7th Geochemistry Symposium, Antalya, Turkey, 16 - 18 May 2016, pp.68-69
29. **STUDY OF RARE EARTH ELEMENTS REE POTENTIALS INRESIDUAL FORMATIONS OCCURRING AT BUCAK REGION ISPARTA SOUTHWEST TURKEY**
KIRIKOĞLU M. S., ÜNLÜER A. T., KOCATÜRK H., ÇİFTÇİ E., DÖNER Z., BUDAKOĞLU M.
7thGeochemistry Symposium, Antalya, Turkey, 16 - 18 May 2016
30. **Fuzzy Logic Modelling and Hidden Geodynamic Parameters of Earth: What is the role of Fluid Pathaways and Hydrothermal Stages on the Mineralization Variations of Kozbudaklar Pluton over Southern Uludag**
Kocatürk H., Kumral M.
EGU2016, Viyana, Austria, 17 - 22 April 2016, vol.18, pp.12087
31. **Orhaneli Bursa Topuk Krom Cevherleşmesinin Jeolojisi ve Rezerv Hesabı**
AKÇA F. A., KOCATÜRK H., SENDİR H.
66. Türkiye Jeoloji Kurultayı, 13 - 18 April 2013

Metrics

Publication: 39

Citation (Scopus): 2

H-Index (Scopus): 1

Research Areas

Geological Engineering, Ore Deposits-Geochemistry, Mineral Exploration Geology, Metallic Mineral Deposits