

Res. Asst. PhD TAHA BOYRAZ

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International Researcher IDs

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Publons / Web Of Science ResearcherID: AAT-2255-2020

ScopusID: 57211448744

Yoksis Researcher ID: 293039

Education Information

Doctorate, Karadeniz Technical University, Maden Mühendisliği, Turkey 2017 - 2024

Postgraduate, Karadeniz Technical University, -, Maden Mühendisliği, Turkey 2014 - 2017

Undergraduate, Karadeniz Technical University, Mühendislik Fakültesi, Maden Mühendisliği, Turkey 2009 - 2014

Certificates, Courses and Trainings

Education Management and Planning, Comminution, Control and Modelling in Mineral Processing Course, Metso and Dama Engineering Companies, 2016

Education Management and Planning, Kıрма-Öğütme Devrelerinde Kütle Denkliği ve Modelleme, Hacettepe Üniversitesi & Karadeniz Teknik Üniversitesi, 2016

Dissertations

Doctorate, Borlu Maden Atık Sularından Arseniğin Arıtımı, Karadeniz Technical University, Mühendislik Fakültesi, Maden Mühendisliği, 2024

Postgraduate, Kalsine Fe-Hidrotalsit Kullanarak Sulardan Arseniğin Giderilmesi, Karadeniz Technical University, Mühendislik Fakültesi, Maden Mühendisliği/Cevher Kömür Hazırlama Ve Değerlendirme , 2017

Research Areas

Mining Engineering and Technology, Ore-Dressing, Refining and Purification, Flotation and Flocculation, Process and Plant Design, Chemical-Biological Winning Techniques and Mineral Processing, Engineering and Technology

Academic Titles / Tasks

Research Assistant, Karadeniz Technical University, Mühendislik Fakültesi, Maden Mühendisliği, 2018 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Hazardous arsenite removal from water by calcined Fe-hydrotalcite**
Boyraz T., Türk T., Alp İ.
Desalination and Water Treatment, vol.317, 2024 (SCI-Expanded)
- II. **Fe-based layered double hydroxides for removing arsenic from water: sorption-desorption-regeneration**
Türk T., Boyraz T., Alp İ.
JOURNAL OF WATER AND HEALTH, vol.19, pp.457-467, 2021 (SCI-Expanded)
- III. **Arsenic removal from groundwater in Kutahya, Turkey, by novel calcined modified hydrotalcite**
Türk T., Boyraz T., Alp İ.
ENVIRONMENTAL GEOCHEMISTRY AND HEALTH, vol.42, no.5, pp.1335-1345, 2020 (SCI-Expanded)

Articles Published in Other Journals

- I. **Arsenic removal by layered double hydroxides (LDH): A mini review**
TÜRK T., BOYRAZ T., ALP İ.
WATER PRACTICE AND TECHNOLOGY, vol.19, no.5, pp.2088-2107, 2024 (ESCI)
- II. **Kalsinasyonun Mg-Fe Hidrotalsit (FeHT) Üzerindeki Etkisinin Araştırılması**
Boyraz T., Türk T., Alp İ.
SELCUK UNIVERSITY JOURNAL OF ENGINEERING, SCIENCE AND TECHNOLOGY, vol.8, no.2, pp.318-327, 2020 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **Thermodynamic Parameters for the Adsorption of Arsenic from Water on Modified Hydrotalcite**
TÜRK T., BOYRAZ T., ALP İ.
IMPC-EURASIA 2019-Regional Mineral Processing Conference organised under the auspices of the International Mineral Processing Council, Antalya, Turkey, 31 October - 02 November 2019, pp.821-826
- II. **Birlikte Çöktürme Yöntemi İle Yüksek Yüzey Alanlı Çift Tabakalı Hidroksit Üretiminin Araştırılması**
TÜRK T., ALP İ., BOYRAZ T.
International Black Sea Mining and Tunneling Symposium, Trabzon, Turkey, 2 - 04 November 2016, pp.471-477
- III. **Removal of arsenic from borous water**
TÜRK T., ALP İ., BOYRAZ T.
15 th. International Mineral Processing Symposium (IMPS), İstanbul, Turkey, 19 - 21 October 2016, pp.296-303
- IV. **Removal of arsenic from borous water by processed pyrite ash**
TÜRK T., ALP İ., BOYRAZ T.
15 th. International Mineral Processing Symposium (IMPS), İstanbul, Turkey, 19 - 21 October 2016, pp.304-312

Supported Projects

Alp İ., Duran C., Türk T., Kantarcı S., Boyraz T., TUBITAK Project, Recovery of Gold and Mercury by Amino Acid Leaching from Amalgamation Wastes, 2022 - 2025

Boyraz T., Kantarcı S., Alp İ., TUBITAK Project, Altın Madenciliğinde Siyanürlemeye Alternatif Teknolojilerin Geliştirilmesi, 2022 - 2023

ALP İ., KANTARCI S., YOUNGAM A. A., TÜRK T., BOYRAZ T., Project Supported by Higher Education Institutions, Amalgamlama Atıklarından Cıva Uzaklaştırma ve Altın Kazanım Yöntemlerinin Araştırılması, 2020 - 2023

TÜRK T., ALP İ., BOYRAZ T., Project Supported by Higher Education Institutions, Grafen OksitFe Hidrotalsit GOFHT Tabanlı Kompozit Adsorban ile Maden Atık Sularından Arseniğin Arıtımı, 2020 - 2022

Türk T., Alp İ., Boyraz T., Project Supported by Higher Education Institutions, Sulu çözeltilerden arsenik uzaklaştırmak

için çift tabakalı hidroksitlerin kullanımı, 2017 - 2020

ALP İ., TÜRK T., BOYRAZ T., TUBITAK Project, Kalsine Fe-Hidrotalsit (KFeHT) Kullanarak Sulardan Arseniğin Giderilmesi, 2015 - 2017

Metrics

Publication: 9

Citation (WoS): 10

Citation (Scopus): 10

H-Index (WoS): 2

H-Index (Scopus): 2

Congress and Symposium Activities

IMPC-EURASIA 2019-Regional Mineral Processing Conference organised under the auspices of the International Mineral Processing Council, Attendee, Antalya, Turkey, 2019

Gümüşhane Üniversitesi Madencilik Çalıştayı, Attendee, Gümüşhane, Turkey, 2019

International Conference on Chemical Energy and Semiconductor Photochemistry (CESCOP-2019), Attendee, Trabzon, Turkey, 2019

International Black Sea Mining and Tunneling Symposium (IBSMTS), Attendee, Trabzon, Turkey, 2016

15 th. International Mineral Processing Symposium (IMPS), Attendee, İstanbul, Turkey, 2016

Scholarships

Başarılı Lisans Öğrencileri İçin Karşılıksız Burs, Foundation, 2010 - 2014

Awards

BOYRAZ T., USTA Y., Yüksek Onur Öğrencisi, KARADENİZ TEKNİK ÜNİVERSİTESİ, June 2014

Non Academic Experience

Company, Eti Bakır A.Ş., Cevher Hazırlama ve Zenginleştirme Departmanı

Company, TOLSA TURKEY MADENCİLİK SAN. VE TİC. A.Ş., Üretim