

Res. Asst. MUHAMMET SARI

Personal Information

Office Phone: [+90 464 223 7518](tel:+904642237518) Extension: 1238

Email: muhammet.sari@erdogan.edu.tr

Web: <https://avesis.erdogan.edu.tr/muhammet.sari>

Address: Recep Tayyip Erdoğan Üniversitesi, Mühendislik ve Mimarlık Fakültesi, İnşaat Mühendisliği Bölümü, Zihni Derin Yerleşkesi – Fener Mahallesi 53100 Merkez/RİZE

International Researcher IDs

ScholarID: Cv_wVYMAAAAJ

ORCID: 0000-0003-3553-5622

Publons / Web Of Science ResearcherID: AGC-4304-2022

ScopusID: 57482250400

Yoksis Researcher ID: 314039

Education Information

Doctorate, Recep Tayyip Erdogan University, MÜHENDİSLİK VE MİMARLIK FAKÜLTESİ, İNŞAAT MÜHENDİSLİĞİ, Turkey
2020 - Continues

Postgraduate, Recep Tayyip Erdogan University, Mühendislik Fakültesi, İnşaat Mühendisliği Bölümü, Turkey 2017 - 2020

Undergraduate, Karadeniz Technical University, Mühendislik Fakültesi, İnşaat Mühendisliği, Turkey 2012 - 2017

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Postgraduate, EFFECT OF SOIL-STRUCTURE INTERACTION ON DYNAMIC BEHAVIOR OF REINFORCED CONCRETE
INDUSTRY CHIMNEYS, Recep Tayyip Erdogan University, Mühendislik Fakültesi, İnşaat Mühendisliği Bölümü, 2020

Academic Titles / Tasks

Research Assistant, Recep Tayyip Erdogan University, Mühendislik Fakültesi, İnşaat Mühendisliği Bölümü, 2020 -
Continues

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Predicting long-term impact of cementitious mine fill considering sand as a copper-tailings substitution**
Kasap T., YILMAZ E., SARI M., KARASU S.
POWDER TECHNOLOGY, vol.428, 2023 (SCI-Expanded)
- II. **Long-term ageing characteristics of cemented paste backfill: Usability of sand as a partial substitute**

of hazardous tailings

Sarı M., Yılmaz E., Kasap T.

JOURNAL OF CLEANER PRODUCTION, vol.401, 2023 (SCI-Expanded)

- III. **Exploring the link between ultrasonic and strength behavior of cementitious mine backfill by considering pore structure**
Sarı M., Yılmaz E., Kasap T., Karasu S.
CONSTRUCTION AND BUILDING MATERIALS, vol.370, 2023 (SCI-Expanded)
- IV. **Cementitious Backfill with Partial Replacement of Cu-Rich Mine Tailings by Sand: Rheological, Mechanical and Microstructural Properties**
Guner N. U., Yılmaz E., Sarı M., Kasap T.
MINERALS, vol.13, no.3, 2023 (SCI-Expanded)
- V. **Effects of mineral additives and age on microstructure evolution and durability properties of sand-reinforced cementitious mine backfills**
Kasap T., Yılmaz E., Sarı M.
CONSTRUCTION AND BUILDING MATERIALS, vol.352, 2022 (SCI-Expanded)
- VI. **Physico-chemical and micro-structural behavior of cemented mine backfill: Effect of pH in dam tailings**
Kasap T., YILMAZ E., SARI M.
JOURNAL OF ENVIRONMENTAL MANAGEMENT, vol.314, 2022 (SCI-Expanded)
- VII. **Recycling Dam Tailings as Cemented Mine Backfill: Mechanical and Geotechnical Properties**
Kasap T., Yılmaz E., Guner N. U., Sarı M.
ADVANCES IN MATERIALS SCIENCE AND ENGINEERING, vol.2022, 2022 (SCI-Expanded)
- VIII. **Strength and microstructure evolution in cemented mine backfill with low and high pH pyritic tailings: Effect of mineral admixtures**
Sarı M., Yılmaz E., Kasap T., Guner N. U.
CONSTRUCTION AND BUILDING MATERIALS, vol.328, 2022 (SCI-Expanded)

Articles Published in Other Journals

- I. **Effect of Soil Type on Dynamic Behavior of Reinforced Concrete Industry Chimneys**
Sarı M., Yılmaz E., Altunışık A. C.
Recep Tayyip Erdogan University Journal of Science and Engineering, vol.3, no.2, pp.99-114, 2022 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **Cementitious fills with varying sand content as tailings replacement: Links to rheological, mechanical and microstructural properties**
Kasap T., Yılmaz E., Sarı M.
Proceedings of 3rd International Civil Engineering and Architecture Congress (ICEARC'23), Trabzon, Turkey, 12 - 14 October 2023, vol.1, pp.388-401
- II. **Characterizing strength/microstructural behavior of cemented copper tailings backfills incorporating slag: Links to different pH values**
Sarı M., Yılmaz E., Kasap T.
Proceedings of 3rd International Civil Engineering and Architecture Congress (ICEARC'23), Trabzon, Turkey, 12 - 14 October 2023, vol.1, pp.412-423
- III. **Slag effect on properties of cemented paste backfill containing pyritic tailings at different pH values**
Sarı M., Yılmaz E., Kasap T., Güner N. U.
4th International Conference on Opencast Mining Technology and Sustainability ICOMS 2021, Singrauli, India, 13 -

14 December 2021, vol.4, pp.32

IV. pH effect of tailings on physico-chemical and mechanical properties of cemented paste backfill

Kasap T., Yılmaz E., Güner N. U., Sarı M.

4th International Conference on Opencast Mining Technology and Sustainability ICOMS 2021, Singrauli, India, 13 - 14 December 2021, vol.4, pp.33

V. Sand effect on slump, strength and microstructural properties of cemented paste backfill

Güner N. U., Yılmaz E., Sarı M., Kasap T.

4th International Conference on Opencast Mining Technology and Sustainability ICOMS 2021, Singrauli, India, 13 - 14 December 2021, vol.4, pp.33

VI. Numerical investigation of dowel and cramp reinforcement on masonry walls

GENÇ A. F., ALTUNIŞIK A. C., SARI M.

International Civil Engineering and Architecture Conference, Trabzon, Turkey, 17 - 20 April 2019

VII. The effect of opening numbers and sizes on the seismic behaviour of concrete chimneys

SARI M., ALTUNIŞIK A. C., GÜNAYDIN M.

International Civil Engineering and Architecture Conference, Trabzon, Turkey, 17 - 20 April 2019

Supported Projects

YILMAZ E., SARI M., KASAP T., KESKİN T., Project Supported by Higher Education Institutions, Yeraltı Metal Madenlerinde Kullanılan Yenilikçi Çimentolu Macun Dolguların Performansının Araştırılması Kalıp Geometrisinin Etkisi, 2023 - Continues

YILMAZ E., GÜNER N. U., SARI M., KASAP T., KESKİN T., Project Supported by Higher Education Institutions, Farklı Kürlenme Koşullarına Maruz Bırakılan Çimentolu Dolgularda Atığın İkamesi Olarak Kayaç Türlerinden Elde Edilen Kumların Kullanılabilirliğinin Araştırılması, 2023 - Continues

YILMAZ E., SARI M., KASAP T., KESKİN T., Project Supported by Higher Education Institutions, Karışım Suyu Olarak Deniz ve Proses Sularını İçeren Taze ve Sertleşmiş Çimentolu Macun Dolguların Gerçek Zamanlı Performansının İzlenmesi, 2023 - Continues

Yılmaz E., Karasu S., Sarı M., Güner N. U., Kasap T., Project Supported by Other Official Institutions, Küre bakır madeni çimentolu macun dolgusunun cüruf, uçucu kül ve kum ikameli optimizasyonu / Optimization of Kure copper mine cemented paste backfill with slag, fly ash and sand replacement, 2020 - 2020

Metrics

Publication: 16

Citation (WoS): 87

Citation (Scopus): 111

H-Index (WoS): 4

H-Index (Scopus): 5

Awards

Sarı M., İstanbul Teknik Üniversitesi, February 2019

Sarı M., Karadeniz Teknik Üniversitesi, June 2017

Sarı M., Karadeniz Teknik Üniversitesi, June 2017

Sarı M., Karadeniz Teknik Üniversitesi, June 2017

Sarı M., Karadeniz Teknik Üniversitesi, June 2017

Sarı M., Karadeniz Teknik Üniversitesi, May 2017