

## Prof. EROL YILMAZ

### Personal Information

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### International Researcher IDs

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Publons / Web Of Science ResearcherID: H-7384-2019

ScopusID: 7103132427

Yoksis Researcher ID: 249934

### Biography

Erol Yilmaz was born on 20 October 1979 in Rize/Çayeli/Madenli, Türkiye. He received the B.Sc. degree (Hons.) in mining engineering from Istanbul University in 2000, the M.Sc. degree in mining engineering from Karadeniz Technical University (KTU: Trabzon, Türkiye) in 2003, and the Ph.D. degree in environmental sciences from Université du Québec en Abitibi-Témiscamingue (UQAT; Rouyn-Noranda, Canada) in 2010. From July 2000 to July 2004, he was an Expert in the Department of Mining Engineering, KTU. In August 2004, he moved to Canada to work in an international project at the URSTM Laboratory, UQAT. He was a Postdoctoral Fellow at UQAT, focusing on physical/geochemical behavior of surface paste disposal. He worked as an engineer and manager in various units of Çayeli Bakır İşletmeleri AŞ (underground copper-zinc mine), including cemented paste backfill and concrete batch plant.

Erol Yilmaz is a professor at the Civil Engineering Department (Geotechnical Division) in the School of Engineering at Recep Tayyip Erdogan University in Rize, Türkiye. He has more than 20 years of rich experience in industry, academia, and research by focusing on geotechnics/waste management. He has authored or co-authored over 150 scientific publications, including books, reports, and journal/conference articles. His research is well recognized by the academic society, drawing more than 4448 citations with H-index of 44 (WOS). Researcher was included in the "World's Most Influential Scientists" list created as a result of a study conducted by a team of US and Dutch scientists under the coordination of Stanford University. Moreover, according to 2022 performance data, the researcher has succeeded in entering the list of the World's TOP 2% of Scientists for the 'third consecutive time'.

He is serving as Lead Guest Editor of *Advances in Materials Science and Engineering* (Q2) and *Advances in Civil Engineering* (Q3), an Associate Editor of *Proceedings of the Institution of Civil Engineers - Geotechnical Engineering* (Q2), *Frontiers in Materials* (Q2) and *Frontiers in Built Environment* (Q2), and an Editorial Board Member of *Geotechnical and Geological Engineering* (Q1), *Journal of Mining and Environment* (Q4), *International Journal of Minerals Metallurgy and Materials* (Q1), and *International Journal of Mining Reclamation and Environment* (Q2).

He is also very active in the transfer of knowledge and in training highly qualified personnel. He has been invited as a Keynote Speaker and acts as a Consultant and a Reviewer for several scientific committees, peer-reviewed journals, funding agencies, and several international projects.

## Education Information

Post Doctorate, Université du Québec en Abitibi-Témiscamingue, Applied Sciences Department , Canada 2010 - 2011

Doctorate, Université du Québec en Abitibi-Témiscamingue, Doctorat En Sciences De L'environnement, Canada 2005 - 2010

Postgraduate, Karadeniz Technical University, Fen Bilimleri Enstitüsü, Maden Mühendisliği Anabilim Dalı, Turkey 2001 - 2003

Undergraduate, Istanbul University, Mühendislik Fakültesi, Maden Mühendisliği Bölümü, Turkey 1996 - 2000

## Foreign Languages

English, C1 Advanced

French, B2 Upper Intermediate

## Certificates, Courses and Trainings

Project Management, Avrupa Birliği Projeleri Eğitimi, ETCOP Institute for Interdisciplinary Research-HORİZON Europe Austria, 2022

Vocational Training, Afet Farkındalık Eğitimci Eğitimi, T.C. İçişleri Bakanlığı Afet ve Acil Durum Yönetimi Başkanlığı - AFAD, 2022

Vocational Training, Zemin ve Temel Etüdü Uygulama Esasları ve Rapor Formatı Eğitimi, T.C. Çevre ve Şehircilik Bakanlığı , 2021

Education Management and Planning, Avrupa Birliği Horizon 2020 Programı Proje Yazma Eğitimi, Recep Tayyip Erdoğan Üniversitesi, 2020

Security, Ekip Kaynak Yönetimi, FSI Flightdeck Safety Initiatives, 2014

Education Management and Planning, Sprayed Concrete Workshop for Underground Construction, BASF Chemicals, Hagerbach, 2014

Education Management and Planning, Paste backfill - Design and operation integration course, Paterson & Cooke, AC Hotel Ciudad de Sevilla, 2014

Occupational Health and Safety, İş Güvenliği Uzmanlığı Belgesi - C Sınıfı, T.C. Çalışma ve Sosyal Güvenlik Bakanlığı İş Sağlığı ve Güvenliği Genel Müdürlüğü, 2014

Education Management and Planning, İleri Proje Yönetimi ve Uygulamaları, Istanbul Kurumsal Gelişim Danışmanlık ve Eğitim Hizmetleri, 2013

Education Management and Planning, Proje Yönetimin Yöntemleri ve Uygulamaları, Istanbul Kurumsal Gelişim Danışmanlık ve Eğitim Hizmetleri, 2013

Education Management and Planning, 5000 El Tipi XRF Cihazı Radyasyon Güvenliği ve Temel Kullanıcı Eğitimi, Denge Teknik Cihazlar San. Tic. Ltd. Şti., 2013

Education Management and Planning, Engineering Controls to Minimize Fugitive Dusts, Workplace Exposure Solutions, Cincinnati, OH, 2013

Education Management and Planning, Çatışma Yönetimi, Masters Training International, 2013

Education Management and Planning, ISO 17025-2005 Laboratuvar Akreditasyonu Bilgilendirme Semineri, Pozitif Dönüşüm Yönetim Sistemleri, 2012

Education Management and Planning, PMI Proje Yönetimi Standartları Eğitimi, Makro Eğitim ve Danışmanlık, 2012

Education Management and Planning, İstatistiksel Proses Kontrol Semineri, Pozitif Dönüşüm Yönetim Sistemleri, 2012

Education Management and Planning, Toz numunesi alma ve analiz yöntemi eğitimine katılma, T.C. Çalışma ve Sosyal Güvenlik Bakanlığı İş Sağlığı ve Güvenliği Merkezi, 2012

## Dissertations

Doctorate, Investigating the hydrogeotechnical and microstructural properties of cemented paste backfill using the CUAPS apparatus, Université du Québec en Abitibi-Témiscamingue, Applied Sciences, 2010

Postgraduate, Sülfür içeren maden atıklarından hazırlanan çimentolu macun dolgu örneklerinin dayanım özelliklerinin incelenmesi, Karadeniz Technical University, Fen Bilimleri Enstitüsü, Maden Mühendisliği , 2003

## Research Areas

Civil Engineering, Geotechnical, Soil Mechanics, Mining Engineering and Technology, Mining Operations, Engineering and Technology

## Academic Titles / Tasks

Professor, Recep Tayyip Erdogan University, MÜHENDİSLİK VE MİMARLIK FAKÜLTESİ, İNŞAAT MÜHENDİSLİĞİ, 2023 - Continues

Associate Professor, Recep Tayyip Erdogan University, Mühendislik Fakültesi, İnşaat Mühendisliği Bölümü, 2018 - 2023

Researcher, Université du Québec en Abitibi-Témiscamingue, 2010 - 2011

Researcher, Université du Québec en Abitibi-Témiscamingue, 2005 - 2010

Expert, Karadeniz Technical University, 2001 - 2005

## Academic and Administrative Experience

Fakülte Yönetim Kurulu Üyesi, Recep Tayyip Erdogan University, Mühendislik Ve Mimarlık Fakültesi, 2020 - 2023

Program Koordinatörü, Recep Tayyip Erdogan University, Fen Bilimleri Enstitüsü, 2020 - 2021

Assistant Director of the Institute, Recep Tayyip Erdogan University, Fen Bilimleri Enstitüsü, 2020 - 2021

## Courses

Uzmanlık Alan Dersi I - Specialization Field Course I , Postgraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021

Doktora Tezi - PhD Thesis, Doctorate, 2023 - 2024, 2022 - 2023, 2021 - 2022

Kaya ve Zemin Kütle Özellikleri – Rock and Soil Mass Characteristics , Postgraduate, 2022 - 2023, 2021 - 2022, 2020 - 2021

Uzmanlık Alan Dersi II - Specialization Field Course II , Doctorate, 2023 - 2024, 2022 - 2023, 2020 - 2021

Zemin Yapısı, Davranışı ve İyileştirmeleri - Soil Structure, Behavior and Improvements, Doctorate, 2022 - 2023, 2021 - 2022

Kaya Mekaniği - Rock Mechanics, Undergraduate, 2023 - 2024, 2021 - 2022

Atık Yönetimi ve Geri Dönüşüm - Waste Management and Recycling , Undergraduate, 2022 - 2023, 2021 - 2022

Zemin Mekaniği I - Soil Mechanics I, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021

Yeraltı Yapılarının Tasarımı - Design of Underground Structures , Postgraduate, 2023 - 2024, 2022 - 2023

Dönem Projesi - Term Project , Postgraduate, 2022 - 2023

Seminer - Seminar, Doctorate, 2023 - 2024, 2021 - 2022

Yüksek Lisans Tezi - MSc Thesis, Postgraduate, 2022 - 2023, 2021 - 2022, 2019 - 2020

Uzmanlık Alan Dersi I - Specialization Field Course I, Doctorate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021

Zemin Mekaniği II - Soil Mechanics II, Undergraduate, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020  
Risk Değerlendirmesi ve Yönetimi - Risk Assessment and Management, Postgraduate, 2022 - 2023  
Atık Bertarafı İçin Geoteknik Hususlar – Geotechnical Considerations for Waste Disposal, Doctorate, 2022 - 2023, 2020 - 2021  
Proje ve Patent Hazırlama - Project and Patent Preparation, Undergraduate, 2022 - 2023, 2020 - 2021  
Seminer - Seminar, Postgraduate, 2021 - 2022, 2020 - 2021  
Bitirme Tezi – Graduation Thesis , Undergraduate, 2021 - 2022, 2020 - 2021  
Uzmanlık Alan Dersi II - Specialization Field Course II, Postgraduate, 2022 - 2023, 2019 - 2020  
Temeller - Foundations, Undergraduate, 2020 - 2021, 2019 - 2020  
Çevresel Geoteknik Uygulamalar – Environmental Geotechnics Applications , Doctorate, 2020 - 2021  
İletişim Becerileri – Communication Skills , Undergraduate, 2020 - 2021  
İş Hayatında İngilizce - English for Business Life, Undergraduate, 2021 - 2022, 2020 - 2021  
Dolgu Sistemlerinin Mühendislik Dizaynı – Engineering Design of Backfill Systems, Postgraduate, 2021 - 2022, 2020 - 2021

## Advising Theses

Yılmaz E., Endüstriyel katı atık ikameli çimentolu macun dolguların karakteristik özelliklerinin tahribatlı ve tahribatsız testler kullanılarak değerlendirilmesi, Postgraduate, T.KESKİN(Student), 2024  
Yılmaz E., Physicochemical and microstructural characteristics of cemented paste backfill: Effects of dam and process tailings, Postgraduate, T.Kasap(Student), 2022  
Yılmaz E., Tailings management techniques: Investigation of cemented paste backfill and submarine tailings disposal systems for a Turkish mine site, Postgraduate, B.BatErdene(Student), 2020  
Yılmaz E., Yapı-zemin etkileşiminin betonarme sanayi bacalarının dinamik davranışına etkisi, Postgraduate, M.SARI(Student), 2020

## Jury Memberships

Associate Professor Exam, Associate Professor Exam, Recep Tayyip Erdoğan Üniversitesi, December, 2023  
Academic Staff Examination, Academic Staff Examination, Recep Tayyip Erdoğan Üniversitesi, December, 2022  
Post Graduate, Post Graduate, University of Ottawa, December, 2022  
Doctorate, Doctorate, The University of Western Australia, November, 2022  
Post Graduate, Post Graduate, Recep Tayyip Erdoğan Üniversitesi, September, 2022  
Doctoral Examination, Doctoral Examination, Recep Tayyip Erdoğan Üniversitesi, July, 2022  
Doctoral Examination, Doctoral Examination, Recep Tayyip Erdoğan Üniversitesi, July, 2022  
Post Graduate, Post Graduate, Recep Tayyip Erdoğan Üniversitesi, June, 2022  
Doctorate, Doctorate, University of Engineering and Technology Taxila, February, 2022  
Academic Staff Examination, Academic Staff Examination, Recep Tayyip Erdoğan Üniversitesi, December, 2021  
Doctorate, Doctorate, Avrasya Üniversitesi, July, 2021  
Academic Staff Examination, Academic Staff Examination, Recep Tayyip Erdoğan Üniversitesi, December, 2020  
Doctorate, Doctorate, The University of Western Australia , June, 2019

## Published journal articles indexed by SCI, SSCI, and AHCI

- Influence of alkaline agents with different contents on strength features, energy dissipation and microscopic behavior of cement-based high-sulfur tailings fill**  
He Q., Yılmaz E., Sun L., Cao S.  
POWDER TECHNOLOGY, vol.444, pp.1-17, 2024 (SCI-Expanded)

- II. **Effect of content of defluorinated solid waste on macroscopic strength and microstructural evolution of cemented tail filling composites**  
Zou S., Cao S., Yilmaz E.  
CONSTRUCTION AND BUILDING MATERIALS, vol.436, pp.1-12, 2024 (SCI-Expanded)
- III. **Use of submarine tailings disposal as alternative tailings management system**  
Yilmaz E.  
MINERALS, vol.14, no.7, pp.1-12, 2024 (SCI-Expanded)
- IV. **Geopolymer mortars having glassy materials considering mechanical and microstructural features**  
Çakmak T., Ustabas İ., Kurt Z., Yilmaz E.  
JOURNAL OF BUILDING ENGINEERING, vol.91, pp.1-15, 2024 (SCI-Expanded)
- V. **Effect of 3D printed skeleton shapes on strength behavior, stress evolution and microstructural response of cement-based tailings backfills**  
Samiratou Yaya N., Cao S., Yilmaz E.  
CONSTRUCTION AND BUILDING MATERIALS, vol.432, pp.1-14, 2024 (SCI-Expanded)
- VI. **Effect of magnetic induction intensity and steel fiber rate on strength improvement of cementitious filling composites**  
Li X., Cao S., Yilmaz E.  
CONSTRUCTION AND BUILDING MATERIALS, vol.428, pp.1-15, 2024 (SCI-Expanded)
- VII. **Reinforcing effects of polypropylene on energy absorption and fracturing of cement-based tailings backfills under impact loading**  
Li J., Cao S., Yilmaz E.  
INTERNATIONAL JOURNAL OF MINERALS, METALLURGY AND MATERIALS, vol.31, no.4, pp.650-664, 2024 (SCI-Expanded)
- VIII. **Enhancing flexural property and mesoscopic mechanism of cementitious tailings backfill fabricated with 3D-printed polymers**  
Zou S., Cao S., Yilmaz E.  
CONSTRUCTION AND BUILDING MATERIALS, vol.414, pp.1-12, 2024 (SCI-Expanded)
- IX. **Slag-based stabilization/solidification of hazardous arsenic-bearing tailings as cemented paste backfill: Strength and arsenic immobilization assessment**  
Jiang H., Zheng J., Fu Y., Wang ., Yilmaz E., Cui L.  
CASE STUDIES IN CONSTRUCTION MATERIALS, vol.20, pp.1-22, 2024 (SCI-Expanded)
- X. **Polypropylene fiber's effect on the features of combined cement-based tailing backfill: Micro- and macroscopic aspects**  
Li X., Cao S., Yilmaz E.  
MINERALS, vol.14, no.3, pp.1-16, 2024 (SCI-Expanded)
- XI. **Mechanical, energy evolution, damage and microstructural behavior of cemented tailings-rock fill considering rock content and size effects**  
Qin H., Cao S., Yilmaz E.  
CONSTRUCTION AND BUILDING MATERIALS, vol.411, pp.1-18, 2024 (SCI-Expanded)
- XII. **Editorial: Innovative mine backfill materials and structures**  
Yilmaz E.  
INTERNATIONAL JOURNAL OF MINING, RECLAMATION AND ENVIRONMENT, vol.37, no.10, pp.731-734, 2023 (SCI-Expanded)
- XIII. **Identification of goaf instability under blasting disturbance using microseismic monitoring technology**  
Jia H., Yan B., Yang Z., Yilmaz E.  
GEOMECHANICS AND GEOPHYSICS FOR GEO-ENERGY AND GEO-RESOURCES, vol.9, no.1, pp.1-18, 2023 (SCI-Expanded)
- XIV. **A New index and control method of filling effect for cemented paste backfill in coal mines**  
Liu H., Deng X., Shi X., Wang Z., Jia N., YILMAZ E., Bian L.  
INTERNATIONAL JOURNAL OF MINING RECLAMATION AND ENVIRONMENT, vol.37, no.10, pp.805-825, 2023 (SCI-

Expanded)

- XV. **Analyzing the microstructure of cemented fills adding polypropylene-glass fibers with X-ray micro-computed tomography**  
Li J., Cao S., YILMAZ E.  
JOURNAL OF MATERIALS RESEARCH AND TECHNOLOGY-JMR&T, vol.27, no.November–December 2023, pp.2627-2640, 2023 (SCI-Expanded)
- XVI. **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)
- XVII. **Goaf instability in an open pit iron mine triggered by dynamics disturbance: a large-scale similar simulation**  
Yan B., Jia H., Yang Z., YILMAZ E., Liu H.  
INTERNATIONAL JOURNAL OF MINING RECLAMATION AND ENVIRONMENT, vol.37, no.8, pp.606-629, 2023 (SCI-Expanded)
- XVIII. **Quantitative analysis of pore characteristics of nanocellulose reinforced cementitious tailings fills using 3D reconstruction of CT images**  
Wang A., Cao S., YILMAZ E.  
JOURNAL OF MATERIALS RESEARCH AND TECHNOLOGY-JMR&T, vol.26, pp.1428-1444, 2023 (SCI-Expanded)
- XIX. **Polypropylene Fiber Effect on Flexural Strength, Toughness, Deflection, Failure Mode and Microanalysis of Cementitious Backfills under Three-Point Bending Conditions**  
Zhao Z., Cao S., YILMAZ E.  
MINERALS, vol.13, no.9, pp.1-21, 2023 (SCI-Expanded)
- XX. **Polymer shape effect on damage evolution, internal defects and crack propagation of 3D-printed polymer-based cementitious backfill**  
Zhang H., Cao S., Yilmaz E.  
CONSTRUCTION AND BUILDING MATERIALS, vol.406, pp.1-14, 2023 (SCI-Expanded)
- XXI. **Progress and prospects of mining with backfill in metal mines in China**  
Xue G., YILMAZ E., Wang Y.  
INTERNATIONAL JOURNAL OF MINERALS METALLURGY AND MATERIALS, vol.30, no.8, pp.1455-1473, 2023 (SCI-Expanded)
- XXII. **Editorial for special issue on frontiers and advances in cemented paste backfill**  
Yin S., Qi C., YILMAZ E., Cao S., Chen Q.  
INTERNATIONAL JOURNAL OF MINERALS METALLURGY AND MATERIALS, vol.30, no.8, pp.1427-1429, 2023 (SCI-Expanded)
- XXIII. **Microstructure and mechanical behavior of cemented gold/tungsten mine tailings-crushed rock backfill: Effects of rock gradation and content**  
Huang Z., Cao S., Yilmaz E.  
JOURNAL OF ENVIRONMENTAL MANAGEMENT, vol.339, pp.1-14, 2023 (SCI-Expanded)
- XXIV. **Corrigendum: Characterization of Strength and Quality of Cemented Mine Backfill Made up of Lead-Zinc Processing Tailings**  
Akkaya U. G., Çinku K., Yilmaz E.  
Frontiers in Materials, vol.10, pp.1, 2023 (SCI-Expanded)
- XXV. **Long-term ageing characteristics of cemented paste backfill: Usability of sand as a partial substitute of hazardous tailings**  
Sarı M., Yilmaz E., Kasap T.  
JOURNAL OF CLEANER PRODUCTION, vol.401, 2023 (SCI-Expanded)
- XXVI. **Curing conditions effect on pore structure, compressive strength and elastic modulus of cementitious tailings backfills**  
Chen S., Yilmaz E., Xiang Z., Wang Y.  
POWDER TECHNOLOGY, vol.422, 2023 (SCI-Expanded)

- XXVII. **Cementitious Backfill with Partial Replacement of Cu-Rich Mine Tailings by Sand: Rheological, Mechanical and Microstructural Properties**  
Guner N. U., Yilmaz E., Sarı M., Kasap T.  
MINERALS, vol.13, no.3, 2023 (SCI-Expanded)
- XXVIII. **Exploring the link between ultrasonic and strength behavior of cementitious mine backfill by considering pore structure**  
Sarı M., Yilmaz E., Kasap T., Karasu S.  
CONSTRUCTION AND BUILDING MATERIALS, vol.370, 2023 (SCI-Expanded)
- XXIX. **Study of early-age performance of cementitious backfills with alkali activated slag under internal sulfate attack**  
Jiang H., Han J., Ren L., Guo Z., Yilmaz E.  
CONSTRUCTION AND BUILDING MATERIALS, vol.371, 2023 (SCI-Expanded)
- XXX. **Effect of Content and Length of Polypropylene Fibers on Strength and Microstructure of Cementitious Tailings-Waste Rock Fill**  
Gao B., Cao S., Yilmaz E.  
MINERALS, vol.13, no.2, 2023 (SCI-Expanded)
- XXXI. **Carbon nanotube reinforced cementitious tailings composites: Links to mechanical and microstructural characteristics**  
Zhang H., Cao S., Yilmaz E.  
CONSTRUCTION AND BUILDING MATERIALS, vol.365, 2023 (SCI-Expanded)
- XXXII. **Effect of layer thickness on the flexural property and microstructure of 3D-printed rhomboid polymer-reinforced cemented tailing composites**  
Zhao Z., Cao S., Yilmaz E.  
INTERNATIONAL JOURNAL OF MINERALS METALLURGY AND MATERIALS, vol.30, no.2, pp.236-249, 2023 (SCI-Expanded)
- XXXIII. **Admixture Effects on the Rheological/Mechanical Behavior and Micro-Structure Evolution of Alkali-Activated Slag Backfills**  
Ji X., Gu X., Wang Z., Xu S., Jiang H., YILMAZ E.  
MINERALS, vol.13, no.1, 2023 (SCI-Expanded)
- XXXIV. **Curing stress effect on stability, microstructure, matric suction and electrical conductivity of cementitious tailings backfills**  
Chen S., Yilmaz E., Wang W., Wang Y.  
CONSTRUCTION AND BUILDING MATERIALS, vol.360, 2022 (SCI-Expanded)
- XXXV. **Effects of mineral additives and age on microstructure evolution and durability properties of sand-reinforced cementitious mine backfills**  
Kasap T., Yilmaz E., Sarı M.  
CONSTRUCTION AND BUILDING MATERIALS, vol.352, 2022 (SCI-Expanded)
- XXXVI. **Editorial: Advances in the Design and Implementation of Cementitious Backfills**  
Yilmaz E., Cao S., Wu D.  
FRONTIERS IN MATERIALS, vol.9, 2022 (SCI-Expanded)
- XXXVII. **Influence of types and contents of nano cellulose materials as reinforcement on stability performance of cementitious tailings backfill**  
Wang A., Cao S., Yilmaz E.  
CONSTRUCTION AND BUILDING MATERIALS, vol.344, 2022 (SCI-Expanded)
- XXXVIII. **Influence of 3D-printed polymer structures on dynamic splitting and crack propagation behavior of cementitious tailings backfill**  
Zhang H., Cao S., YILMAZ E.  
CONSTRUCTION AND BUILDING MATERIALS, vol.343, 2022 (SCI-Expanded)
- XXXIX. **Strength, acoustic, and fractal behavior of fiber reinforced cemented tailings backfill subjected to triaxial compression loads**  
Xue G., Yilmaz E.

- CONSTRUCTION AND BUILDING MATERIALS, vol.338, 2022 (SCI-Expanded)
- XL. **Numerical investigation of creeping rockmass interaction with hardening and shrinking cemented paste backfill**  
Yan B., Jia H., Yilmaz E., Lai X., Shan P., Hou C.  
CONSTRUCTION AND BUILDING MATERIALS, vol.340, 2022 (SCI-Expanded)
- XLI. **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)
- XLII. **Recycling Dam Tailings as Cemented Mine Backfill: Mechanical and Geotechnical Properties**  
Kasap T., Yilmaz E., Guner N. U., Sari M.  
ADVANCES IN MATERIALS SCIENCE AND ENGINEERING, vol.2022, 2022 (SCI-Expanded)
- XLIII. **Strength and microstructure evolution in cemented mine backfill with low and high pH pyritic tailings: Effect of mineral admixtures**  
Sarı M., Yilmaz E., Kasap T., Guner N. U.  
CONSTRUCTION AND BUILDING MATERIALS, vol.328, 2022 (SCI-Expanded)
- XLIV. **Analysis of tensile mechanical characteristics of fibre reinforced backfill through splitting tensile and three-point bending tests**  
Xue G., Yilmaz E., Feng G., Cao S.  
INTERNATIONAL JOURNAL OF MINING RECLAMATION AND ENVIRONMENT, vol.36, no.3, pp.218-234, 2022 (SCI-Expanded)
- XLV. **Effect of height to diameter ratio on dynamic characteristics of cemented tailings backfills with fiber reinforcement through impact loading**  
Wang A., Cao S., Yilmaz E.  
CONSTRUCTION AND BUILDING MATERIALS, vol.322, 2022 (SCI-Expanded)
- XLVI. **Compressive fatigue behavior and failure evolution of additive fiber-reinforced cemented tailings composites**  
Li J., Cao S., Yilmaz E., Liu Y.  
INTERNATIONAL JOURNAL OF MINERALS METALLURGY AND MATERIALS, vol.29, no.2, pp.345-355, 2022 (SCI-Expanded)
- XLVII. **Employing U-shaped 3D printed polymer to improve flexural properties of cementitious tailings backfills**  
Qin S., Cao S., Yilmaz E.  
CONSTRUCTION AND BUILDING MATERIALS, vol.320, 2022 (SCI-Expanded)
- XLVIII. **A Joint Experiment and Discussion for Strength Characteristics of Cemented Paste Backfill Considering Curing Conditions**  
Chen S., Wang W., Yan R., Wu A., Wang Y., Yilmaz E.  
MINERALS, vol.12, no.2, 2022 (SCI-Expanded)
- XLIX. **Strength Analysis and Optimization of Alkali Activated Slag Backfills Through Response Surface Methodology**  
Dai X., Ren L., Gu X., Yilmaz E., Fang K., Jiang H.  
FRONTIERS IN MATERIALS, vol.9, 2022 (SCI-Expanded)
- L. **Numerical study on microscale and macroscale strength behaviors of hardening cemented paste backfill**  
Yan B., Jia H., YILMAZ E., Lai X., Shan P., Hou C.  
CONSTRUCTION AND BUILDING MATERIALS, vol.321, 2022 (SCI-Expanded)
- LI. **Characterization of Macro Mechanical Properties and Microstructures of Cement-Based Composites Prepared from Fly Ash, Gypsum and Steel Slag**  
Li J., Cao S., Yilmaz E.  
MINERALS, vol.12, no.1, 2022 (SCI-Expanded)
- LII. **A Large Goaf Group Treatment by means of Mine Backfill Technology**



- Jia H., Yan B., Yilmaz E.  
ADVANCES IN CIVIL ENGINEERING, vol.2021, 2021 (SCI-Expanded)
- LIII. **The Durability of High-Strength Concrete Containing Waste Tire Steel Fiber and Coal Fly Ash**  
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Advances in Materials Science and Engineering, First Editor, 2020 - Continues

Proceedings Of The Institution Of Civil Engineers-Geotechnical Engineering, Assistant Editor/Section Editor, 2020 - Continues

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Geotechnical and Geological Engineering (GEGE), Publication Committee Member, 2020 - Continues

## Memberships / Tasks in Scientific Organizations

International Society for Soil Mechanics and Geotechnical Engineering, Member, 2020 - Continues

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Transportation Geotechnics, SCI Journal, January 2020  
Materials, SCI Journal, January 2020  
International Journal of Minerals Metallurgy and Materials, SCI Journal, December 2019  
Minerals Engineering, SCI Journal, December 2019  
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International Journal of Mining, Reclamation and Environment, SCI Journal, September 2019  
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Archives of Mining Sciences, SCI Journal, September 2019  
Sustainability, SCI Journal, September 2019  
International Journal of Geomechanics, SCI Journal, September 2019  
Materials Letters, SCI Journal, September 2019  
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Construction and Building Materials, SCI Journal, September 2019  
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International Journal of Geomechanics, SCI Journal, August 2019  
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Powder Technology, SCI Journal, August 2019  
Construction and Building Materials, SCI Journal, July 2019  
Arabian Journal for Science and Engineering, SCI Journal, July 2019  
Construction and Building Materials, SCI Journal, July 2019  
Journal of Geotechnical and Geoenvironmental Engineering, SCI Journal, July 2019  
Royal Society Open Science, SCI Journal, July 2019  
International Journal of Geomechanics, SCI Journal, July 2019  
Rock Mechanics and Rock Engineering, SCI Journal, July 2019  
Construction and Building Materials, SCI Journal, July 2019  
Construction and Building Materials, SCI Journal, July 2019  
Construction and Building Materials, SCI Journal, June 2019  
International Journal of Disaster Risk Reduction, SCI Journal, June 2019  
Journal of Geology and Mining Research, SCI Journal, June 2019  
Construction and Building Materials, SCI Journal, June 2019  
Materials, SCI Journal, June 2019  
Rock Mechanics and Rock Engineering, SCI Journal, June 2019  
Construction and Building Materials, SCI Journal, June 2019  
European Journal of Environmental and Civil Engineering, SCI Journal, May 2019  
Geosciences Journal, SCI Journal, May 2019  
Sustainability, SCI Journal, May 2019  
International Journal of Geomechanics, SCI Journal, May 2019  
Mathematical Biosciences and Engineering, SCI Journal, May 2019  
Metals, SCI Journal, May 2019  
Construction and Building Materials, SCI Journal, May 2019  
Sustainability, SCI Journal, April 2019  
Construction and Building Materials, SCI Journal, April 2019  
International Journal of Geomechanics, SCI Journal, April 2019  
International Journal of Geomechanics, SCI Journal, April 2019  
Sustainability, SCI Journal, April 2019  
Geotechnical Testing Journal, SCI Journal, April 2019  
Metals, SCI Journal, April 2019  
Construction and Building Materials, SCI Journal, April 2019  
Advances in Civil Engineering, SCI Journal, March 2019  
Materials, SCI Journal, March 2019  
International Journal of Disaster Risk Reduction, SCI Journal, March 2019  
Sustainability, SCI Journal, March 2019  
Minerals Engineering, SCI Journal, March 2019  
International Journal of Mining, Reclamation and Environment, SCI Journal, March 2019  
Engineering Structures, SCI Journal, February 2019  
Construction and Building Materials, SCI Journal, February 2019  
Geomechanics and Engineering: An International Journal, SCI Journal, February 2019  
International Journal of Mining, Reclamation and Environment, SCI Journal, February 2019  
Tunnelling and Underground Space Technology, SCI Journal, February 2019  
International Journal of Mining Science and Technology, SCI Journal, January 2019  
Advances in Civil Engineering, SCI Journal, January 2019  
International Journal of Geomechanics, , SCI Journal, January 2019  
Project Supported by Public Organizations in Other Countries, The Natural Sciences and Engineering Research Council of Canada (NSERC), Canada, January 2019  
Engineering Structures, SCI Journal, December 2018  
International Journal of Geomechanics, SCI Journal, December 2018

Resources, SCI Journal, December 2018  
International Journal of Mining, Reclamation and Environment, SCI Journal, December 2018  
International Journal of Geomechanics, SCI Journal, December 2018  
Minerals Engineering, SCI Journal, November 2018  
Advances in Materials Science and Engineering, SCI Journal, November 2018  
International Journal of Mining, Reclamation and Environment, SCI Journal, November 2018  
Sustainability, SCI Journal, November 2018  
Processes, SCI Journal, November 2018  
Applied Sciences, SCI Journal, November 2018  
Resources, SCI Journal, November 2018  
Processes, SCI Journal, October 2018  
Minerals Engineering, SCI Journal, October 2018  
Journal of Adhesion Science and Technology, SCI Journal, October 2018  
Construction and Building Materials, SCI Journal, October 2018  
Processes, SCI Journal, October 2018  
Polish Journal of Environmental Studies, SCI Journal, October 2018  
Processes, SCI Journal, October 2018  
Energies, SCI Journal, October 2018  
Energies, SCI Journal, October 2018  
Sustainability, SCI Journal, October 2018  
Journal of Adhesion Science and Technology, SCI Journal, October 2018  
Advances in Civil Engineering, SCI Journal, October 2018  
Minerals, SCI Journal, September 2018  
Applied Sciences, SCI Journal, September 2018  
Processes, SCI Journal, September 2018  
Minerals Engineering, SCI Journal, September 2018  
Processes, SCI Journal, September 2018  
Advances in Civil Engineering, SCI Journal, September 2018  
Minerals, SCI Journal, September 2018  
Engineering Structures, SCI Journal, September 2018  
Tunnelling and Underground Space Technology, SCI Journal, September 2018  
Recycling, SCI Journal, August 2018  
Engineering Structures, SCI Journal, August 2018  
Construction and Building Materials, SCI Journal, August 2018  
Processes, SCI Journal, August 2018  
Processes, SCI Journal, August 2018  
Energies, SCI Journal, August 2018  
Processes, SCI Journal, August 2018  
Sustainability, SCI Journal, July 2018  
Minerals, SCI Journal, July 2018  
Recycling, SCI Journal, July 2018  
Processes, SCI Journal, July 2018  
Geotechnical and Geological Engineering, SCI Journal, July 2018  
Applied Sciences, SCI Journal, July 2018  
Energies, SCI Journal, July 2018  
International Journal of Rock Mechanics and Mining Sciences, SCI Journal, July 2018  
Engineering Geology, SCI Journal, June 2018  
Sustainability, SCI Journal, June 2018  
International Journal of Mining, Reclamation and Environment, SCI Journal, June 2018  
International Journal of Geomechanics, SCI Journal, June 2018  
Processes, SCI Journal, June 2018

Metals, SCI Journal, June 2018  
Construction and Building Materials, SCI Journal, June 2018  
Minerals, SCI Journal, May 2018  
Processes, SCI Journal, April 2018  
Processes, SCI Journal, April 2018  
Processes, SCI Journal, March 2018  
Polish Journal of Environmental Studies, SCI Journal, March 2018  
Minerals, SCI Journal, March 2018  
International Journal of Geomechanics, SCI Journal, March 2018  
Geotechnical and Geological Engineering, SCI Journal, February 2018  
Minerals Engineering, SCI Journal, February 2018  
Geotechnical Testing Journal, SCI Journal, December 2017  
Nanomaterials, SCI Journal, December 2017  
Polish Journal of Environmental Studies, SCI Journal, December 2017  
Sustainability, SCI Journal, November 2017  
International Journal of Geomechanics, SCI Journal, November 2017  
Energies, SCI Journal, November 2017  
Construction and Building Materials, SCI Journal, November 2017  
Energies, SCI Journal, November 2017  
Construction and Building Materials, SCI Journal, October 2017  
Waste Management & Research, SCI Journal, October 2017  
Energies, SCI Journal, October 2017  
Energies, SCI Journal, October 2017  
Sustainability, SCI Journal, October 2017  
Journal of Central South University, SCI Journal, October 2017  
Sustainability, SCI Journal, September 2017  
International Journal of Geomechanics, SCI Journal, September 2017  
Minerals, SCI Journal, September 2017  
Géotechnique Letters, SCI Journal, September 2017  
Engineering Geology, SCI Journal, August 2017  
Minerals, SCI Journal, August 2017  
International Journal of Geomechanics, SCI Journal, July 2017  
International Journal of Mineral Processing, SCI Journal, July 2017  
International Journal for Numerical and Analytical Methods in Geomechanics, SCI Journal, June 2017  
Minerals, SCI Journal, June 2017  
Nondestructive Testing and Evaluation, SCI Journal, June 2017  
Energies, SCI Journal, June 2017  
Minerals, SCI Journal, June 2017  
Geotechnical Testing Journal, SCI Journal, June 2017  
Nondestructive Testing and Evaluation, SCI Journal, June 2017  
Nondestructive Testing and Evaluation, SCI Journal, June 2017  
Journal of the Air and Waste Management Association, SCI Journal, June 2017  
Journal of Adhesion Science and Technology, SCI Journal, May 2017  
Journal of Central South University, SCI Journal, May 2017  
Energies, SCI Journal, April 2017  
Journal of Testing and Evaluation, SCI Journal, March 2017  
Canadian Geotechnical Journal, SCI Journal, March 2017  
International Journal of Geomechanics, SCI Journal, March 2017  
Geotechnical and Geological Engineering, SCI Journal, March 2017  
Minerals, SCI Journal, March 2017  
International Journal of Mineral Processing, SCI Journal, March 2017

International Journal of Mining, Reclamation and Environment, SCI Journal, March 2017  
Construction and Building Materials, SCI Journal, March 2017  
International Journal of Geomechanics, SCI Journal, February 2017  
Minerals, SCI Journal, February 2017  
Polish Journal of Environmental Studies, SCI Journal, January 2017  
Mineral Processing and Extractive Metallurgy Review, SCI Journal, January 2017  
Geotechnical Testing Journal, SCI Journal, November 2016  
Handbook of Research on Trends and Digital Advances in Engineering Geology , Chapter Scientific / Professional Book  
Published by Renowned Publishing Houses, November 2016  
Handbook of Research on Trends and Digital Advances in Engineering Geology, Scientific / Professional Book Published  
by Renowned Publishing Houses, November 2016  
International Journal of Mining, Reclamation and Environment, SCI Journal, November 2016  
Minerals, SCI Journal, November 2016  
International Journal of Geomechanics, SCI Journal, November 2016  
International Journal of Mining, Reclamation and Environment, SCI Journal, October 2016  
Journal of Testing and Evaluation, SCI Journal, October 2016  
International Journal of Non-Linear Mechanics, SCI Journal, October 2016  
Minerals, SCI Journal, October 2016  
Construction and Building Materials, SCI Journal, October 2016  
International Journal of Mineral Processing, SCI Journal, October 2016  
Canadian Geotechnical Journal, SCI Journal, October 2016  
International Journal of Mining, Reclamation and Environment, SCI Journal, September 2016  
International Journal of Mining, Reclamation and Environment, SCI Journal, August 2016  
Turkish Bulletin of Earth Sciences, SCI Journal, August 2016  
International Journal of Geomechanics, SCI Journal, July 2016  
Journal of Environmental Chemical Engineering, SCI Journal, May 2016  
Marine Georesources & Geotechnology, SCI Journal, March 2016  
International Journal of Rock Mechanics and Mining Sciences, SCI Journal, February 2016  
Cement and Concrete Composites, SCI Journal, February 2016  
Cement and Concrete Research, SCI Journal, February 2016  
Journal of the Air and Waste Management Association, SCI Journal, January 2016  
International Journal of Geomechanics, SCI Journal, December 2015  
International Journal of Geomechanics, SCI Journal, November 2015  
Geomechanics and Engineering: An International Journal, SCI Journal, November 2015  
Construction and Building Materials, SCI Journal, November 2015  
Nondestructive Testing and Evaluation, SCI Journal, September 2015  
Construction and Building Materials, SCI Journal, September 2015  
International Journal of Mineral Processing, SCI Journal, August 2015  
International Journal of Mining Science and Technology, SCI Journal, August 2015  
Geomechanics and Engineering: An International Journal, SCI Journal, July 2015  
American Journal of Science and Technology, SCI Journal, July 2015  
American Journal of Science and Technology, SCI Journal, July 2015  
International Journal of Mining Science and Technology, SCI Journal, July 2015  
Geosciences Journal, SCI Journal, June 2015  
International Journal of Mineral Processing, SCI Journal, April 2015  
Géotechnique, SCI Journal, March 2015  
Geotechnical and Geological Engineering, SCI Journal, March 2015  
Powder Technology, SCI Journal, February 2015  
Composites Part B: Engineering, SCI Journal, August 2014  
Civil and Environmental Research, SCI Journal, June 2014  
Measurement, SCI Journal, May 2014



Canadian Geotechnical Journal, SCI Journal, January 2014  
Composites Part B: Engineering, SCI Journal, February 2013  
Composites Part B: Engineering, SCI Journal, July 2012

## Scientific Research / Working Group Memberships

Ca22124 - Eu Circular Economy Network For All: Consumer Protection Through Reducing, Reusing, Repairing (Eco4all), Recep Tayyip Erdogan University, Turkey, <https://www.cost.eu/actions/CA22124/>, 2024 - 2027  
Ca22138 - Recovery Of Mining District Network (Remindnet), Recep Tayyip Erdogan University, Turkey, <https://www.cost.eu/actions/CA22138/>, 2024 - 2027  
Ca22144 - Sustainable Use Of Salt-Affected Lands (Sustain), Recep Tayyip Erdogan University, Turkey, <https://www.cost.eu/actions/CA22144/>, 2023 - 2027  
Ca21103 - Implementation Of Circular Economy In The Built Environment (Circularb), Recep Tayyip Erdogan University, Turkey, <https://www.cost.eu/actions/CA21103/>, 2022 - 2026  
Ca20133 - Cross-Border Transfer And Development Of Sustainable Resource Recovery Strategies Towards Zero Waste (Fullreco4us), Recep Tayyip Erdogan University, Turkey, <https://www.cost.eu/actions/CA20133/>, 2021 - 2025

## Metrics

Publication: 201  
Citation (WoS): 5314  
Citation (Scopus): 5918  
H-Index (WoS): 50  
H-Index (Scopus): 51

## Congress and Symposium Activities

Üniversite Dergileri: Sorunlar ve Çözüm Önerileri Çalıştayı, Working Group, Ankara, Turkey, 2022  
4th International Conference on Opencast Mining Technology and Sustainability ICOMS 2021, Invited Speaker, Singrauli, India, 2021  
3rd International Conference on Opencast Mining Technology and Sustainability ICOMS 2020, Invited Speaker, Singrauli, India, 2021  
1. Gümüşhane Üniversitesi Madencilik Çalıştayı, Invited Speaker, Gümüşhane, Turkey, 2019  
1st Mining Engineering Symposium, Attendee, Trabzon, Turkey, 2019  
12th Regional Rock Mechanics Symposium, Attendee, Trabzon, Turkey, 2018  
2nd International Symposium on Land Reclamation and Ecological Restoration, Attendee, Beijing, China, 2017  
2nd International Symposium on Land Reclamation and Ecological Restoration - LRER'17, Invited Speaker, Beijing, China, 2017  
1st International Black Sea Mining and Tunnelling Symposium, Attendee, Trabzon, Turkey, 2016  
1st International Black Sea Mining and Tunnelling Symposium-IBSMTS'16, Invited Speaker, Trabzon, Turkey, 2016  
16th International Symposium on Environmental Issues and Waste Management in Energy and Mineral Production, Attendee, İstanbul, Turkey, 2016  
16th International Symposium on Environmental Issues and Waste Management in Energy and Mineral Production - SWEMP'16, Invited Speaker, Acheng, Turkey, 2016  
16th International Symposium on Environmental Issues and Waste Management in Energy and Mineral Production - SWEMP'16, Session Moderator, İstanbul, Turkey, 2016  
68th Canadian Geotechnical Conference and 7th Canadian Permafrost Conference, Attendee, Quebec, Canada, 2015  
24th International Mining Congress and Exhibition of Turkey, Attendee, Antalya, Turkey, 2015

24th International Mining Congress and Exhibition of Turkey - IMCET'15, Session Moderator, Antalya, Turkey, 2015  
23rd World Mining Congress, Attendee, Montreal, Canada, 2013  
23rd International Mining Congress and Exhibition of Turkey, Attendee, Antalya, Turkey, 2013  
2nd International Conference on Sustainability through Resource Conservation and Recycling, Attendee, Cardiff, United Kingdom, 2011  
3rd International Symposium on Mines and the Environment, Attendee, Quebec, Canada, 2008  
9th Regional Rock Mechanics Symposium, Attendee, İzmir, Turkey, 2008  
15th International Conference on Tailings and Mine Waste, Attendee, Colorado, United States Of America, 2008  
61st Canadian Geotechnical Conference and the 9th Joint CGS/IAH-CNC Groundwater Conference, Attendee, Edmonton, Canada, 2008  
60th Canadian Geotechnical Conference and the 8th Joint CGS/IAH-CNC Groundwater Conference, Attendee, Ottawa, Canada, 2007  
9th International Symposium on Mining with Backfill, Attendee, Quebec, Canada, 2007  
21st Annual Underground Mine Support Conference, Attendee, Quebec, Canada, 2006  
9th International Seminar on Paste and Thickened Tailings, Attendee, Limerick, Ireland, 2006  
5th International Scientific Conference - Modern Management of Mine Producing, Geology and Environmental Protection, Attendee, Varna, Bulgaria, 2005  
19th International Mining Congress and Exhibition of Turkey, Attendee, İzmir, Turkey, 2005  
7th Regional Rock Mechanics Symposium, Attendee, Sivas, Turkey, 2004  
8th International Symposium on Mining with Backfill, Attendee, Beijing, China, 2004  
4th International Scientific Conference - Modern Management of Mine Producing, Geology and Environmental Protection, Attendee, Varna, Bulgaria, 2004  
5th Industrial Mineral Symposium, Attendee, İzmir, Turkey, 2004  
3rd National Gravel Symposium, Attendee, İstanbul, Turkey, 2003  
10th International Conference on Tailings and Mine Waste, Attendee, Colorado, United States Of America, 2003  
3rd International Conference on Earth Sciences and Electronics, Attendee, İstanbul, Turkey, 2003  
1st International Symposium on Industrial Minerals and Building Stones, Attendee, İstanbul, Turkey, 2003  
3rd International Scientific Conference - Modern Management of Mine Producing, Geology and Environmental Protection, Attendee, Varna, Bulgaria, 2003  
10th Balkan Mineral Processing Congress - Mineral Processing in the 21st Century, Attendee, Varna, Bulgaria, 2003  
18th International Mining Congress and Exhibition of Turkey, Attendee, Antalya, Turkey, 2003  
1st Engineering Sciences Congress for Young Researcher, Attendee, İstanbul, Turkey, 2003  
6th Regional Rock Mechanics Symposium, Attendee, Konya, Turkey, 2002  
2nd International Scientific Conference-Modern Management of Mine Producing, Geology and Environmental Protection, Attendee, Varna, Bulgaria, 2002

## Scholarships

Doktora Sonrası Eğitim Bursu, University, 2010 - Continues  
Doktora Egitimi Bursu, University, 2005 - Continues  
Kısa Dönemli (9 Aylık) Araştırma Eğitim Bursu, University, 2004 - Continues

## Awards

YILMAZ E., En İyi Makale Ödülü, MDPI - Minerals, December 2019  
YILMAZ E., Sprayed Concrete Course Katılımı, BASF, Germany, Çayeli Bakır İşletmeleri A.Ş., June 2014  
YILMAZ E., Paste Backfill Course Katılımı - Paterson & Cooke, Spain, Çayeli Bakır İşletmeleri A.Ş., May 2014  
YILMAZ E., En İyi Bilimsel Makale Ödülü, 23rd World Mining Congress, August 2013  
YILMAZ E., Sıfır Zarar Risk Değerlendirmesi Katılımcısı, Pyhäsalmi Copper-Zinc Mine, Finland, May 2012

YILMAZ E., Başkanlık Ödül (Safety Alanında) Aday Sertifikası, Inmet Mining Corporation, Toronto, Canada, March 2011  
YILMAZ E., Mükemmel Doktora Tez Ödülü, Université du Québec en Abitibi-Témiscamingue (UQAT), March 2010  
YILMAZ E., En İyi İkinci Proje Ödülü, Mehmet Kemal Dedeman Araştırma ve Geliştirme Proje Yarışması, February 2006  
YILMAZ E., 2003 Yılı En İyi Yüksek Lisans Tez Ödülü, Yurt Madenciliğini Geliştirme Vakfı, May 2004  
YILMAZ E., Bölüm Birinciliği, İstanbul Üniversitesi, Mühendislik Fakültesi, Maden Mühendisliği Bölümü, June 2000  
YILMAZ E., Coal/Metalliferrous Mines Technical Trip, Ruhr University Bochum, Germany, May 2000

## **Non Academic Experience**

Company, First Quantum Minerals Ltd. - Çayeli Bakır İşletmeleri A.Ş., Mill Bölümü / Department  
Company, First Quantum Minerals Ltd. - Çayeli Bakır İşletmeleri A.Ş., Mill Bölümü / Department  
Company, Inmet Mining Corporation - Çayeli Bakır İşletmeleri A.Ş., Mill Bölümü / Department  
Company, Inmet Mining Corporation - Çayeli Bakır İşletmeleri A.Ş., Mill Bölümü / Department