

Assoc. Prof. MUSTAFA ERKAYAOĞLU

Office Phone: [+90 312 210 5812](tel:+903122105812)

Fax Phone: [+90 312 210 5822](tel:+903122105822)

Email: emustafa@metu.edu.tr

Web: <https://blog.metu.edu.tr/emustafa/>

International Researcher IDs

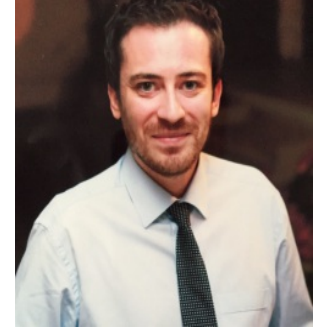
ScholarID: 5KJGGowAAAAJ

ORCID: 0000-0002-4872-4388

Publons / Web Of Science ResearcherID: AAZ-5969-2020

ScopusID: 55195743100

Yoksis Researcher ID: 182876



Education Information

- I. Doctorate, The University of Arizona, Mining And Geological Engineering, United States Of America 2012 - 2015
- II. Postgraduate, Middle East Technical University, Graduate School of Natural and Applied Sciences, Maden Mühendisliği (YI) (Tezli), Turkey 2008 - 2011
- III. Undergraduate, Middle East Technical University, Faculty of Engineering, Department of Mining Engineering, Turkey 2004 - 2008

Foreign Languages

- I. English, C1 Advanced
- II. German, C1 Advanced

Dissertations

- I. Doctorate, A Data Driven Mine-to-Mill Framework for Modern Mines, The University Of Arizona, Mining And Geological Engineering, 2015
- II. Postgraduate, Life cycle assessment of off-highway trucks and belt conveyors for sustainable mining, Middle East Technical University, Graduate School of Natural and Applied Sciences, Maden Mühendisliği (YI) (Tezli), 2011

Research Areas

Mining Engineering and Technology, Mining Operations, Mine Transport Systems, Mineral Economics, Open pit and underground production planning, Mining Methods and Mining System Analysis, Engineering and Technology

Academic Titles / Tasks

- I. Assistant Professor, Middle East Technical University, Faculty of Engineering, Department of Mining Engineering, 2018 - Continues
- II. Assistant Professor, Middle East Technical University, Faculty of Engineering, Department of Mining Engineering, 2017 - 2018

Academic and Administrative Experience

- I. Middle East Technical University, Maden Mühendisliği, 2017 - Continues

Courses

- I. Materials Handling and Mine Transportation, Undergraduate, 2024 - 2025, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016
- II. Advanced Mining Practice II, Postgraduate, 2024 - 2025, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021
- III. Introduction to Rock Mechanics, Undergraduate, 2024 - 2025, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020
- IV. Graduate Seminar, Doctorate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019
- V. Mine System Analysis, Undergraduate, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018
- VI. Graduate Seminar, Postgraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019
- VII. Rock Fragmentation, Undergraduate, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018
- VIII. Mine Design, Undergraduate, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018
- IX. Mine Valuation, Undergraduate, 2018 - 2019

Advising Theses

- I. Erkayaoğlu M., Süreer E., Development of a Virtual Reality-Based Serious Game for Occupational Health and Safety Training in Underground Mining, Postgraduate, S.GÜRER(Student), 2021
- II. Erkayaoğlu M., IMPLEMENTATION OF DATA MINING ALGORITHMS ON ROCK MECHANICS TEST DATA FOR KNOWLEDGE DISCOVERY, Postgraduate, C.KAYDIM(Student), 2021
- III. Erkayaoğlu M., DETERMINATION OF THE OPTIMAL EQUIPMENT FLEET FOR OVERBURDEN STRIPPING OPERATION IN A SURFACE COAL MINE WITH DISCRETE EVENT SIMULATION, Postgraduate, Ş.MERT(Student), 2021
- IV. Erkayaoğlu M., Thermographic analysis of heat generation during ucs testing of rocks, Postgraduate, A.KIRMACI(Student), 2020
- V. Erkayaoğlu M., A new approach to 3-dimensional optimization of ultimate pit geometry for open pit mines with variable overall slope angles, Postgraduate, F.KÜBRA(Student), 2019
- VI. Erkayaoğlu M., Estimation of rock mass rating values with geostatistical analysis, Postgraduate, E.SELMA(Student), 2019
- VII. ERKAYAOĞLU M., KARPUZ C., Discrete event simulation of a shearer performance for a longwall operation, Postgraduate, E.YILMAZ(Student), 2018

Jury Memberships

-
- I. Doctorate, Doctorate, Hacettepe Üniversitesi, August, 2020
 - II. Post Graduate, Post Graduate, Afyon Kocatepe Üniversitesi, August, 2020
 - III. Post Graduate, Post Graduate, Hacettepe Üniversitesi, June, 2019
 - IV. Doctorate, Doctorate, Hacettepe Üniversitesi, May, 2019
 - V. Post Graduate, Yüksek Lisans Tez Savunması, Hacettepe Üniversitesi, February, 2019
 - VI. Doctoral Examination, Doktora Yeterlik Sözlü Sınavı, Eskişehir Osmangazi Üniversitesi, December, 2018
 - VII. Post Graduate, Yüksek Lisans Tez Savunması, Orta Doğu Teknik Üniversitesi, September, 2018
 - VIII. Doctorate, Doktora Tez Savunması, Orta Doğu Teknik Üniversitesi, September, 2018
 - IX. Post Graduate, Yüksek Lisans Tez Savunması, Orta Doğu Teknik Üniversitesi, July, 2018
 - X. Doctorate, Doktora Tez Savunması, Orta Doğu Teknik Üniversitesi, March, 2018
 - XI. Post Graduate, Yüksek Lisans Tez Savunması, Orta Doğu Teknik Üniversitesi, January, 2018

Taught Courses And Trainings

- I. Gölbaşı O., Altun N. E., Erkayaoğlu M., Madencilikte Süreç Farkındalığı ve Yönetimi Sertifika Programı (Liderlik-1. Grup), 2021 - 2021

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Pre- and post-failure characterisation of low-strength rocks by generalised crack initiation and crack damage**
Oge I. F., ERKAYAOĞLU M.
BULLETIN OF ENGINEERING GEOLOGY AND THE ENVIRONMENT, vol.83, no.3, 2024 (SCI-Expanded)
- II. **Simulation of blast-induced ground vibrations using a machine learning-assisted mechanical framework**
YARDIMCI A. G., ERKAYAOĞLU M.
ENVIRONMENTAL EARTH SCIENCES, vol.82, no.21, 2023 (SCI-Expanded)
- III. **MINING-VIRTUAL: A comprehensive virtual reality-based serious game for occupational health and safety training in underground mines**
Gürer S., Sürer E., Erkayaoğlu M.
Safety Science, vol.166, 2023 (SCI-Expanded)
- IV. **Developing serious games for CBRN-e training in mixed reality, virtual reality, and computer-based environments**
Altan B., Gürer S., Alsamarei A., Demir D. K., Düzgün H. Ş., Erkayaoğlu M., Sürer E.
International Journal of Disaster Risk Reduction, vol.77, 2022 (SCI-Expanded)
- V. **A New Approach to Optimize Ultimate Geometry of Open Pit Mines with Variable Overall Slope Angles**
Altuntov F. K., Erkayaoğlu M.
NATURAL RESOURCES RESEARCH, vol.30, no.6, pp.4047-4062, 2021 (SCI-Expanded)
- VI. **Developing a scenario-based video game generation framework for computer and virtual reality environments: a comparative usability study**
SÜRER E., ERKAYAOĞLU M., ozturk Z. N., Yucel F., Biyik E. A., Altan B., Senderin B., Oguz Z., Gurer S., Duzgun H. S.
JOURNAL ON MULTIMODAL USER INTERFACES, vol.15, no.4, pp.393-411, 2021 (SCI-Expanded)
- VII. **A Discrete Event Simulation and Data-Based Framework for Equipment Performance Evaluation in Underground Coal Mining**
YILMAZ E., ERKAYAOĞLU M.
Mining, Metallurgy and Exploration, vol.38, no.5, pp.1877-1891, 2021 (SCI-Expanded)
- VIII. **A Data-Driven Approach to Control Fugitive Dust in Mine Operations**

- Kahraman M. M., Erkayaoğlu M.
MINING METALLURGY & EXPLORATION, vol.38, no.1, pp.549-558, 2021 (SCI-Expanded)
- IX. **Thermographic analysis of failure for different rock types under uniaxial loading**
KIRMACI A., ERKAYAOĞLU M.
GEOMECHANICS AND ENGINEERING, vol.23, no.6, pp.503-512, 2020 (SCI-Expanded)
- X. **Improving mine-to-mill by data warehousing and data mining**
Erkayaoğlu M., Dessureault S.
INTERNATIONAL JOURNAL OF MINING RECLAMATION AND ENVIRONMENT, vol.33, no.6, pp.409-424, 2019 (SCI-Expanded)
- XI. **Interpretation of variability of rock mass rating by geostatistical analysis: a case study in Western Turkey**
ÖZTÜRK H., ERKAYAOĞLU M.
ARABIAN JOURNAL OF GEOSCIENCES, vol.11, no.13, 2018 (SCI-Expanded)
- XII. **Investigation of the elastic material properties of Class G cement**
Guner D., Ozturk H., Erkayaoglu M.
STRUCTURAL CONCRETE, vol.18, no.1, pp.84-91, 2017 (SCI-Expanded)
- XIII. **Using integrated process data of longwall shearers in data warehouses for performance measurement**
Erkayaoglu M., Dessureault S.
INTERNATIONAL JOURNAL OF OIL GAS AND COAL TECHNOLOGY, vol.16, no.3, pp.298-310, 2017 (SCI-Expanded)
- XIV. **A comparative life cycle assessment of material handling systems for sustainable mining**
Erkayaoglu M., DEMİREL N.
JOURNAL OF ENVIRONMENTAL MANAGEMENT, vol.174, pp.1-6, 2016 (SCI-Expanded)

Articles Published in Other Journals

- I. **Madencilik Sektöründe İş Sağlığı ve Güvenliği Yönetimi için Veri Entegrasyonu Uygulaması**
Erkayaoğlu M.
Çukurova Üniversitesi Mühendislik Mimarlık Fakültesi Dergisi, vol.35, no.1, pp.105-114, 2020 (Peer-Reviewed Journal)
- II. **Comparison of off-highway trucks and belt conveyors in an open pit coal mine using life cycle assessment Bir açık ocak kömür madeninde kamyon ve bantli konveyörün yaşam döngüsü değerlendirme metodu ile karşılaştırılması**
Erkayaoğlu M., Demirel N.
Madencilik, vol.50, no.3, pp.25-34, 2011 (Scopus)
- III. **Bir Açık Kömür Madeninde Kamyon ve Bantlı Konveyörün Yaşam Döngüsü Değerlendirme Metodu ile Karşılaştırılması**
ERKAYAOĞLU M., DEMİREL N.
TMMOB Madencilik Dergisi, vol.50, pp.25-34, 2011 (Peer-Reviewed Journal)

Books & Book Chapters

- I. **Advanced Analytics for Rock Breaking**
Erkayaoğlu M.
in: Advanced Analytics in Mining Engineering, Ali Soofastaei, Editor, Springer Nature, Zürich, pp.479-493, 2022

Refereed Congress / Symposium Publications in Proceedings

- I. **Using Of Discrete Event Simulation For Digital Twinning Of Mining Operations**
Aytaç Ş. M., Erkayaoğlu M.
Türkiye 28. Uluslararası Madencilik Kongresi ve Sergisi, Antalya, Turkey, 28 November - 01 December 2023, pp.517-524
- II. **Serious Game Development for CBRNe Training: A Comparative Analysis in Virtual Reality and Computer-Based Environments**
Altan B., Güner S., Alsamarei A., Demir D. K., Düzgün Ş., Erkayaoğlu M., Sürer E.
SICC Series 2020-2nd Scientific International Conference on CBRNe, Rome, Italy, 10 - 12 December 2020
- III. **Developing a Scenario-Based Video Game Generation Framework: Preliminary Results**
Sürer E., Erkayaoğlu M., Öztürk Z. N., Yücel F., Bıyık E. A., Altan B., Şenderin B., Oğuz Z., Güner S., Düzgün H. Ş.
15th Summer Workshop on Multimodal Interfaces (eNTERFACE'19), Ankara, Turkey, 8 July - 02 August 2019, pp.19-25
- IV. **An operational data based framework for longwall shearer performance measurement**
YILMAZ E., ERKAYAOĞLU M.
The 39th International Symposium 'xxApplication of Computers and Operations Research in the Mineral Industry'xx APCOM 2019, Wroclaw, Poland, 4 - 06 July 2019, pp.481-490
- V. **Initial crack detection of Brazilian discs by thermal change for different types of rock specimens**
Kırmacı A., Erkayaoğlu M., Karpuz C.
26th International Mining Congress and Exhibition of Turkey, IMCET 2019, Antalya, Turkey, 16 - 19 April 2019, pp.399-407
- VI. **Use of Geospatial Queries for Optimum Drilling and Blasting Practices in Surface Mining**
Erkayaoğlu M.
Mine Planning and Equipment Selection, Santiago, Chile, 20 - 22 November 2018, pp.57-67
- VII. **Development of a Dust Violation Control Tool from Plant Data**
ERKAYAOĞLU M.
18th Symposium on Environmental Issues and Waste Management in Energy and Mineral Production, Santiago, Chile, 20 - 22 November 2018
- VIII. **DEVELOPMENT OF IMMEDIATE RESPONSE PLAN FOR FUGITIVE DUST IN COAL MINES**
KAHRAMAN M. M., ERKAYAOĞLU M.
ISME 2017 International Symposium on Mining and Environment, Muğla, Turkey, 27 - 29 September 2017
- IX. **Estimation of Rock Mass Rating by IDW Method for Mine Design**
ERKAYAOĞLU M., ÖZTÜRK H.
8.th Internation Research and Practice Conference Innovations in Mining, St. Petersburg, Russia, 15 - 17 May 2017
- X. **Data warehousing and big data applications in mining industry**
ERKAYAOĞLU M.
IMCET 2017 NEW TRENDS IN MINING 25th INTERNATIONAL MINING CONGRESS OF TURKEY, Antalya, Turkey, 11 - 14 April 2017, pp.242-249
- XI. **Sustainability Comparison of Mining Industries by Life Cycle Assessment for Turkey and European Union**
DEMİREL N., ERKAYAOĞLU M.
16th International Symposium on Environmental Issues and Waste Management in Energy and Mineral Production (SWEMP) / International Symposium on Computer Applications (CAMI), İstanbul, Turkey, 5 - 07 October 2016
- XII. **Development of Data-Oriented Equipment Maintenance Policy for Surface Mining**
ERKAYAOĞLU M., DEMİREL N.
6th International Conference on Computer Applications in the Minerals Industries, İstanbul, Turkey, 5 - 07 October 2016, pp.1-6
- XIII. **Development of Data Oriented Equipment Maintenance Policy for Surface Mining**
ERKAYAOĞLU M., DEMİREL N.
6th International Conference on Computer Applications in the Minerals Industries, İstanbul, Turkey, 5 - 07 October 2016, pp.1-6
- XIV. **Drilling and Blasting Technology of Modern Mines**

ERKAYAOĞLU M., DÜZGÜN Ö.

8th Drilling and Blasting Symposium, İstanbul, Turkey, 19 November 2014 - 20 November 2015, pp.41-50

XV. **Life Cycle Assessment and Its Implementation for Sustainable Material Handling in Surface Mining**

ERKAYAOĞLU M., DEMİREL N.

22nd World Mining Congress, İstanbul, Turkey, 11 - 16 September 2011, vol.1, pp.459-464

XVI. **Proceedings of the 22nd International Mining Congress and Exhibition of Turkey**

DEMİREL N., Erkayaoğlu M., Erdem Ö.

22nd International Mining Congress and Exhibition of Turkey, Ankara, Turkey, 11 - 13 May 2011, pp.0-422

XVII. **Comparison of CO2 emission related to off highway trucks and belst conveyors in an open pit coal mine**

ERKAYAOĞLU M., DEMİREL N.

22nd International Mining Congress and Exhibition of Turkey, Ankara, Turkey, 11 - 13 May 2011, pp.409-415

XVIII. **Comparison of CO2emission related to off-highway trucks and belt conveyors in an open pit coal mine**

Erkayaoğlu M., DEMİREL N.

22nd International Mining Congress and Exhibition of Turkey, IMCET 2011, Ankara, Turkey, 11 - 13 May 2011, pp.409-415

Supported Projects

- I. Erkayaoğlu M., Yardimci A. G., Project Supported by Other Private Institutions, Niğde Özyurt Projesi Açık İşletme ve Pasa Dökümü Duraylılık Araştırması, 2022 - 2023
- II. Erkayaoğlu M., Yardimci A. G., Project Supported by Other Private Institutions, Özyurt Projesi Jeokteknik Deney Çalışmaları ve Kaya Kütle Sınıflaması, 2022 - 2022
- III. Gölbaşı O., Erkayaoğlu M., Project Supported by Other Private Institutions, Çöpler Sahası Madencilik Operasyonları için Standart Çalışma Prosedürlerinin Oluşturulması, 2021 - 2022
- IV. Erkayaoğlu M., Gölbaşı O., Sürer E., Demirel N., EU Supported Other Project, Mixed Reality Application for Improving Mine Safety Culture in Underground Mining (MR4MS), 2021 - 2022
- V. Sürer E., Erkayaoğlu M., H2020 Project, eNOTICE - European Network Of CBRN Training Centers, 2017 - 2022
- VI. Erkayaoğlu M., Project Supported by Other Private Institutions, TÜPRAG firmasının Kışladağ altın işletmesinde yürütülen patlatma faaliyetlerinin çevresel etki etüdü, 2021 - 2021
- VII. Erkayaoğlu M., Project Supported by Other Private Institutions, Arzu Kuzey ve Derya cevher oluşumlarını için güvenli açık ocak şev açılarının belirlenmesi, 2021 - 2021
- VIII. Erkayaoğlu M., Project Supported by Other Private Institutions, Çanakkale ili Ezine ilçesinde işletilen kireçtaşı ocağında yaptığı patlatmaların çevresel etkilerinin değerlendirilmesi, 2021 - 2021
- IX. Erkayaoğlu M., Project Supported by Other Private Institutions, Yozgat ili Akdağmadeni ilçesinde yer alan kurşun-çinko cevheri modelleme çalışmaları, 2020 - 2021
- X. ERKAYAOĞLU M., KAYDIM C., LISTIANI I. A., ÖZDEMİR E. O., Project Supported by Higher Education Institutions, Kaya Mekaniği Laboratuvar Deney Sonuçları için Veri Ambarı Oluşturulması / Development of a Data Warehouse for Rock Mechanics Laboratory Testing, 2019 - 2021
- XI. Erkayaoğlu M., Project Supported by Other Private Institutions, Ardıc sahasındaki patlatma faaliyetleri sırasında ortaya çıkabilecek çevresel etkilerin değerlendirilmesi, 2020 - 2020
- XII. Erkayaoğlu M., Karpuz C., Tutluoğlu L., Yardimci A. G., Project Supported by Other Private Institutions, Balıkesir Sındırgı ilçesinde yer alan altın sahasında yeraltı madenciliği üretim yöntemi seçimi ve stabilite çalışmaları, 2020 - 2020
- XIII. Karpuz C., Erkayaoğlu M., Project Supported by Other Private Institutions, Sümela Manastırı Kaya Islahı Projesi Değerlendirme Raporu, 2019 - 2020
- XIV. KARPUZ C., ERKAYAOĞLU M., KIRMACI A., Project Supported by Higher Education Institutions, FARKLI TİP KAYA NUMUNELERİNİN STATİK DEFORMABİLİTE DENEYLERİ SIRASINDA ÇATLAK GELİŞİMİNİN TERMAL KAMERA İLE

İZLENMESİ, 2018 - 2020

- XV. Erkayaoğlu M., Project Supported by Other Private Institutions, META NIKEL 625 ve 2000711277 nolu Ruhsat Sahalarının İncelenmesi, 2019 - 2019
- XVI. Erkayaoğlu M., Project Supported by Other Private Institutions, YK Enerji Revize Dekapaj Simülasyonu, 2019 - 2019
- XVII. Erkayaoğlu M., Project Supported by Other Private Institutions, META Nikel Potansiyel Kaynak Değerlendirmesi, 2019 - 2019
- XVIII. Karpuz C., ERKAYAOĞLU M., Project Supported by Other Private Institutions, Slope Stability Investigations for Kütahya Tavşanlı Gold Mine Final Report, 2019 - 2019
- XIX. Karpuz C., Erkayaoğlu M., Topal T., Bilgin H. A., Project Supported by Other Official Institutions, Alicin, Çeltikçi ve Kınık Tünellerinden oluşan Çamlıdere-İvedik İsale Hattı civarında yapılması muhtemel Patlatmalı Taşocağı İşletmelerinin Tünelere Etkisinin Araştırılması, 2018 - 2019
- XX. Erkayaoğlu M., Project Supported by Other Private Institutions, YK Enerji Kuzey Sahaları Maden Simülasyonu, 2018 - 2018
- XXI. Karpuz C., Erkayaoğlu M., Tutluoğlu L., Yılmaz E., Project Supported by Other Private Institutions, Ahiboz Linyit Sahasında Şev Stabilitesi Çalışması, 2018 - 2018
- XXII. Karpuz C., Erkayaoğlu M., Bilgin H. A., Project Supported by Other Private Institutions, Kırıkkale ili Bahşili ilçesi Sarıkaya köyü sınırları içerisinde yer alan taş ocağında yapılacak patlatma çalışmalarının Kültür varlıklarına Etkisinin araştırılması, 2018 - 2018
- XXIII. ERKAYAOĞLU M., Project Supported by Other Private Institutions, Kef Ocağı Kaya Mekanığı Deneyleri, 2018 - 2018
- XXIV. Karpuz C., Erkayaoğlu M., Tutluoğlu L., Project Supported by Other Private Institutions, Slope Stability Investigations For Main Field Pit of Tufanbeyli Lignite Mine, 2017 - 2018
- XXV. Karpuz C., ERKAYAOĞLU M., Project Supported by Other Official Institutions, Kömür Nakliye Maliyet (NAKMAL) Modelinin Güncellenmesi, 2017 - 2017
- XXVI. Erkayaoğlu M., Karpuz C., Project Supported by Other Private Institutions, Özkoyuncu Madencilik Kayseri Mentesh yeraltı demir cevheri rezerv tahmini ve maden işletme projesi, 2012 - 2013

Activities in Scientific Journals

- I. Bilimsel Madencilik Dergisi, Committee Member, 2018 - 2019

Memberships / Tasks in Scientific Organizations

- I. Turkish National Society for Rock Mechanics, Chairman, 2019 - Continues, Turkey

Scientific Refereeing

- I. Journal of Engineering, Journal Indexed in ESCI, December 2022
- II. Journal of scientific reports-A (Online), National Scientific Refreed Journal, November 2022
- III. Project Supported by Higher Education Institutions, BAP Research Project, Middle East Technical University, Turkey, July 2022
- IV. ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING, Journal Indexed in SCI-E, May 2022
- V. Project Supported by Higher Education Institutions, BAP Research Project, Middle East Technical University, Turkey, April 2022
- VI. Mühendislik Bilimleri ve Tasarım Dergisi, National Scientific Refreed Journal, March 2022
- VII. Scientific Mining Journal, National Scientific Refreed Journal, March 2022
- VIII. Project Supported by Higher Education Institutions, BAP Research Project, Middle East Technical University, Turkey, March 2022

- IX. NATURAL RESOURCES RESEARCH, SCI Journal, February 2022
- X. Project Supported by Higher Education Institutions, BAP Research Project, Middle East Technical University, Turkey, January 2022
- XI. INTERNATIONAL JOURNAL OF MINING, RECLAMATION AND ENVIRONMENT, SCI Journal, December 2021
- XII. ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING, Journal Indexed in SCI-E, October 2021
- XIII. Project Supported by Higher Education Institutions, BAP Research Project, Middle East Technical University, Turkey, December 2020
- XIV. Project Supported by Higher Education Institutions, BAP Research Project, Middle East Technical University, Turkey, September 2020
- XV. Project Supported by Higher Education Institutions, BAP Research Project, Middle East Technical University, Turkey, September 2020
- XVI. Project Supported by Higher Education Institutions, BAP Research Project, Middle East Technical University, Turkey, July 2020
- XVII. TUBITAK Project, 1501 - Industry R & D Projects Support Program, Middle East Technical University, Turkey, October 2019
- XVIII. Project Supported by Higher Education Institutions, BAP Research Project, Middle East Technical University, Turkey, September 2019
- XIX. International Journal of Oil, Gas and Coal Technology, SCI Journal, January 2019
- XX. Süleyman Demirel Üniversitesi Fen Bilimleri Enstitüsü Dergisi, National Scientific Refreed Journal, January 2019
- XXI. Journal of Civil Engineering and Management, SCI Journal, January 2019
- XXII. Journal of Cleaner Production, SCI Journal, December 2018
- XXIII. Industrial Marketing Management, Journal Indexed in SSCI, November 2018
- XXIV. International Journal of Oil, Gas and Coal Technology, SCI Journal, September 2018
- XXV. International Journal of Oil, Gas and Coal Technology, SCI Journal, August 2018
- XXVI. International Journal of Oil, Gas and Coal Technology, SCI Journal, July 2018
- XXVII. International Journal of Oil, Gas and Coal Technology, SCI Journal, July 2018
- XXVIII. International Journal of Oil, Gas and Coal Technology, SCI Journal, July 2018
- XXIX. International Journal of Oil, Gas and Coal Technology, SCI Journal, May 2018
- XXX. International Journal of Oil, Gas and Coal Technology, SCI Journal, May 2018
- XXXI. International Journal of Oil, Gas and Coal Technology, SCI Journal, March 2018
- XXXII. International Journal of Oil, Gas and Coal Technology, SCI Journal, February 2018
- XXXIII. International Journal of Oil, Gas and Coal Technology, SCI Journal, February 2018
- XXXIV. International Journal of Oil, Gas and Coal Technology, SCI Journal, January 2018
- XXXV. Engineering Failure Analysis, SCI Journal, May 2017
- XXXVI. Engineering Failure Analysis, SCI Journal, January 2017
- XXXVII. European Journal of Industrial Engineering, SCI Journal, December 2016
- XXXVIII. International Journal of Oil, Gas and Coal Technology, SCI Journal, September 2016
- XXXIX. Journal of Cleaner Production, SCI Journal, August 2016
- XL. IEEE TRANSACTIONS ON KNOWLEDGE AND DATA ENGINEERING, SCI Journal, July 2016
- XLI. Bioresources Technology, SCI Journal, May 2016

Metrics

Publication: 44
Citation (WoS): 113
Citation (Scopus): 151
H-Index (WoS): 7
H-Index (Scopus): 7

Congress and Symposium Activities

- I. 27th International Symposium on Mine Planning and Equipment Selection - MPES 2018, Session Moderator, Santiago, Chile, 2018
- II. 18th Symposium on Environmental Issues and Waste Management in Energy and Mineral Production SWEMP 2018, Session Moderator, Santiago, Chile, 2018

Coaching Duties

Refereeing Duties

Non Academic Experience

- I. The University of Arizona