

# GÖKHAN AYDIN

## PROF.

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Publons / Web Of Science ResearcherID: A-1038-2013

ScopusID: 7004034596

Yoksis Researcher ID: 152574



### Biography

1982 yılında Çarşamba'da (Samsun) doğdu. İlk, Orta ve Lise eğitimini burada tamamladı. 2001 yılında Karadeniz Teknik Üniversitesi Maden Mühendisliği Bölümü'nde lisans öğrenimine başladı. Üniversitenin seçkin öğrencilerinden oluşan **A Kulüp**'te yer aldı. Birçok kez **Onur** ve **Yüksek Onur** belgeleriyle ödüllendirildi. **Bölüm Temsilcisi** olarak faaliyetlerde bulundu. 2005 yılında bölümünü **birincilikle** tamamlayıp **Onur Öğrencisi** olarak mezun oldu. Aynı yıl, Karadeniz Teknik Üniversitesi Maden Mühendisliği Bölümü'nde Yüksek Lisans öğrenimine başladı. Yüksek lisans öğrenimi süresince yeraltı kömür madenlerinden elde edilen metanın kullanım alanlarına yönelik araştırmalar gerçekleştirdi. Ayrıca, enerji kaynaklı küresel metan emisyonlarına yönelik istatistiksel değerlendirmelerde bulundu. 2008'de Maden Yüksek Mühendisi unvanını alarak aynı programda Doktora öğrenimine başladı. Doktora öğrenimi sürecinde, kayaçların kesilebilirliğine yönelik çalışmalar yürüttü. Diskli kesiciler ve aşındırıcılı su jeti ile kayaç kesme konularında uzmanlaştı. 2012'de Doktora öğrenimini tamamlayıp, 2013'te Karadeniz Teknik Üniversitesi, Maden Mühendisliği Bölümü, Maden Mekanizasyonu ve Teknolojisi Anabilim Dalı'na Yardımcı Doçent unvanı ile Öğretim Üyesi olarak atandı. 2016 yılında Doçent unvanını aldı. Temmuz 2021'de aynı anabilim dalına Profesör olarak atandı. Lisans düzeyinde Maden Havalandırma, Yeraltı Maden İşletmeciliği, Doğaltaş Madenciligi ve Teknolojisi başta olmak üzere çeşitli dersler vermektedir. Yüksek Lisans ve Doktora düzeyinde ise Alternatif Sujeti Aşındırıcıları, Sujeti ile Kayaç Kesme, Maden Mekanizasyonu, Maden Havalandırma Tasarımı, Kömür ve Küresel Isınma ve Fosil Enerji derslerini yürütmektedir.

Aydın'ın **34'ü uluslararası hakemli-indeksli** dergilerde (SCI, SCIE ve SSCI) yayımlanmış olmak üzere toplamda **54 makalesi** bulunmaktadır. Bunun yanında, **55'i uluslararası** olmak üzere **71 bildirisi** mevcuttur. Gerçekleştirmiş olduğu çalışmalar Aralık 2022 itibariyle **1511/1737/2443** (WOS/SC/GS) atfı aldı. Aydın'ın h-indeksi ise yine aynı tarih itibariyle **25/26/28**'dir (WOS/SC/GS). Tamamlanmış bir yüksek lisans ve bir doktora tezinin danışmanlığını yürüttü. Devam eden bir doktora tezinin ise danışmanlığını yapmaktadır. Konuk Bilim İnsanı Destekleme Programı kapsamında TÜBİTAK tarafından desteklenen bir projenin yürütücülüğünü üstlendi. Karadeniz Teknik Üniversitesi tarafından desteklenen çeşitli projelerde yürütücü ve araştırmacı olarak görev aldı. Uluslararası nitelikteki birçok dergiye düzenli olarak hakemlik yapmaktadır.

Aydın, gerçekleştirdiği çalışmalar neticesinde; **Lisans Bölüm Birinciliği Ödülü** (Karadeniz Teknik Üniversitesi, 2005), **Bilim Teşvik Ödülü** (Yurt Madencilikini Geliştirme Vakfı, 2012), **Ar-Ge Proje Ödülü** (Dedeman Holding, 2013), **Bilimsel Performans Ödülü** (Karadeniz Teknik Üniversitesi, Mühendislik Fakültesi, 2013), **Outstanding Reviewer Ödülü** (Elsevier, 2014-2020), **Genç Bilim & Sanat İnsanı Ödülü** (Karadeniz Teknik Üniversitesi, 2017) ve **Excellent Reviewer Ödülü**'ne (Publons, 2021) layık görüldü. Aydın, Stanford Üniversitesi'nin koordinatörlüğünde

hazırlanan 'Updated science-wide author databases of standardized citation indicators' isimli çalışmada dünyanın en etkili bilim insanları arasında yer aldı. Bu listede, 2021 verilerine göre Madencilik & Metalurji alanında dünya sıralamasında ilk yüz (11.) bilim insanı arasına girdi. Ayrıca, AD Scientific Index tarafından hazırlanan 'World scientist and university rankings 2023' isimli başka bir çalışmada dünyadaki en üretken ve etkili bilim insanları arasında yer aldı.

Aydın'ın son dönem araştırma ilgisi 'Aşındırıcılı Sujeti ile Kayaç Kesme' konusuna odaklanmaktadır. Aydın, aşındırıcılı sujeti ile kayaç kesmede aşındırıcı olarak kullanılabilen ticari ve atık nitelikli malzemelerin kesme performansını/verimini irdelemektedir. Danışmanlığında yürütülen iki doktora tezinde bu konular detaylarıyla çalışılmaktadır. Halen Karadeniz Teknik Üniversitesi Maden Mühendisliği Bölümü'nde Öğretim Üyesi olarak çalışmalarını sürdürmektedir. Evli olan Aydın'ın iki çocuğu bulunmaktadır.

## Learning Knowledge

Doctorate 2008 - 2012	Karadeniz Technical University, Fen Bilimleri Enstitüsü, Maden Mühendisliği Bölümü, Turkey
Postgraduate 2005 - 2008	Karadeniz Technical University, Fen Bilimleri Enstitüsü, Maden Mühendisliği Bölümü, Turkey
Undergraduate 2001 - 2005	Karadeniz Technical University, Mühendislik-Mimarlık Fakültesi, Maden Mühendisliği Bölümü, Turkey

## Dissertations

Doctorate, Kesici Disklerin Kayaç Kesme Performansının Araştırılması ve Performans Tahminine Yönelik Modellerin Geliştirilmesi, Karadeniz Technical University, Fen Bilimleri Enstitüsü, Maden Mühendisliği Bölümü, 2012  
Postgraduate, Kömür Kökenli Metanın Kullanım Teknolojileri ve Enerji Üretiminden Kaynaklanan Antropojenik Metan Emisyonlarının Analizi, Karadeniz Technical University, Fen Bilimleri Enstitüsü, Maden Mühendisliği Bölümü, 2008

## Academic Titles / Tasks

Professor 2021 - Continues	Karadeniz Technical University, Mühendislik Fakültesi, Maden Mühendisliği
Associate Professor 2016 - 2021	Karadeniz Technical University, Mühendislik Fakültesi, Maden Mühendisliği
Assistant Professor 2013 - 2016	Karadeniz Technical University, Mühendislik Fakültesi, Maden Mühendisliği
Research Assistant 2006 - 2012	Karadeniz Technical University, Fen Bilimleri Enstitüsü, Maden Mühendisliği Bölümü

## Supported Projects

1. Karakurt İ., Aydın G., Kaya S., Rogalı I., Project Supported by Higher Education Institutions, Improvement of the abrasive waterjet cutting performance in natural stone cutting processes , 2022 - 2024
2. AYDIN G., KARAKURT İ., KAYA S., AMIRI M. R., Project Supported by Higher Education Institutions, GRANİT, CAM, CÜRUF VE BETON ATIKLARININ AŞINDIRICILI SU JETİ İLE DOĞAL TAŞ KESMEDE AŞINDIRICI OLARAK KULLANIMI, 2021 - 2024
3. AYDIN G., KARAKURT İ., KAYA S., Project Supported by Higher Education Institutions, Aşındırıcılı Su Jeti ile Doğal Taş Kesmede Alternatif Aşındırıcıların Performanslarının Deneysel İncelenmesi, 2020 - 2022
4. Aydın G., Topal E., TUBITAK Project, Ekonomik ve Demografik Göstergelerin Fonksiyonu Olarak Birincil Enerji Tüketiminin Modellenmesi, 2014 - 2014
5. Aydın G., Karakurt İ., Project Supported by Higher Education Institutions, Aşındırıcı Su Jeti ile Kayaç Kesmede Aşındırıcı Malzeme Performansı Üzerinde Etkin Kayaç Özelliklerinin Araştırılması, 2011 - 2012
6. Aydın G., Aydın K., Project Supported by Higher Education Institutions, Dairesel Testerelerle Kesme İşleminde Granitin Dokusal Özelliklerinin Kesme Performansı Üzerindeki Etkilerinin Araştırılması, 2011 - 2012

## Awards

1. Aydın G., Excellent Reviewer Award, Publons, June 2021
2. Aydın G., Genç Bilim ve Sanat İnsanı Ödülü, Karadeniz Teknik Üniversitesi, May 2017
3. Aydın G., Bilimsel Performans Ödülü, Karadeniz Teknik Üniversitesi-Müh. Fak., December 2013
4. Aydın G., Ar-Ge Proje Ödülü, Dedeman Holding, November 2013
5. Aydın G., Bilim Teşvik Ödülü, Yurt Madenciliğini Geliştirme Vakfı, May 2013
6. Aydın G., Bölüm Birinciliği Ödülü, Karadeniz Teknik Üniversitesi, June 2005

## Jury Memberships

Post Graduate, Post Graduate, Karadeniz Teknik Üniversitesi, January, 2024

Doctorate, Doctorate, Karadeniz Teknik Üniversitesi, September, 2023

Appointment to Academic Staff - Associate Professorship, Appointment to Academic Staff - Associate Professorship, Afyon Kocatepe Üniversitesi, February, 2023

Doctorate, Doctorate, Çukurova Üniversitesi, November, 2022

Doctorate, Doctorate, Çukurova Üniversitesi, October, 2022

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Karadeniz Teknik Üniversitesi, August, 2022

Doctorate, Doctorate, Karadeniz Teknik Üniversitesi, August, 2022

Post Graduate, Post Graduate, Karadeniz Teknik Üniversitesi, May, 2022

Doctoral Examination, Doctoral Examination, Karadeniz Teknik Üniversitesi, February, 2022

Associate Professor Exam, Associate Professor Exam, Kütahya Dumlupınar Üniversitesi, January, 2022

Post Graduate, Post Graduate, Karadeniz Teknik Üniversitesi, November, 2020

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Karadeniz Teknik Üniversitesi, July, 2020

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Karadeniz Teknik Üniversitesi, June, 2020

Doctoral Examination, Doctoral Examination, Karadeniz Teknik Üniversitesi, February, 2020

Post Graduate, Post Graduate, Gümüşhane Üniversitesi, July, 2019

Doctoral Examination, Doctoral Examination, Karadeniz Teknik Üniversitesi, September, 2018

Doctoral Examination, Doctoral Examination, Karadeniz Technical University, September, 2018

Post Graduate, Post Graduate, Karadeniz Teknik Üniversitesi, January, 2017

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

1. **An experimental study on the cutting depth produced by abrasive waterjet: how do abrasive and rock properties affect the cutting process?**  
Kaya S., Aydın G., Karakurt İ.  
International Journal of Advanced Manufacturing Technology, vol.125, no.9-10, pp.4811-4823, 2023 (SCI-Expanded)
2. **Development of regression models to forecast the CO2 emissions from fossil fuels in the BRICS and MINT countries**  
KARAKURT İ., AYDIN G.  
ENERGY, vol.263, 2023 (SCI-Expanded)
3. **Improvement of Rock Cutting Performance through Two-Pass Abrasive Waterjet Cutting**  
AYDIN G., KARAKURT İ., Amiri M. R., KAYA S.  
SUSTAINABILITY, vol.14, no.19, 2022 (SCI-Expanded)
4. **Effect of abrasive type on marble cutting performance of abrasive waterjet**  
Aydın G., Kaya S., Karakurt İ.  
ARABIAN JOURNAL OF GEOSCIENCES, vol.12, no.11, 2019 (SCI-Expanded)
5. **Utilization of solid-cutting waste of granite as an alternative abrasive in abrasive waterjet cutting of marble**  
Aydın G., Kaya S., Karakurt İ.  
JOURNAL OF CLEANER PRODUCTION, vol.159, pp.241-247, 2017 (SCI-Expanded)
6. **Energy consumption modeling using artificial neural networks: The case of the world's highest consumers**  
AYDIN G., Jang H., Topal E.  
ENERGY SOURCES PART B-ECONOMICS PLANNING AND POLICY, vol.11, no.3, pp.212-219, 2016 (SCI-Expanded)
7. **Performance Prediction of Diamond Sawblades Using Artificial Neural Network and Regression Analysis**  
AYDIN G., KARAKURT İ., Hamzacebi C.  
ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING, vol.40, no.7, pp.2003-2012, 2015 (SCI-Expanded)
8. **The Development and Validation of Regression Models to Predict Energy-related CO2 Emissions in Turkey**  
Aydın G.  
ENERGY SOURCES PART B-ECONOMICS PLANNING AND POLICY, vol.10, no.2, pp.176-182, 2015 (SCI-Expanded)
9. **The Application of Trend Analysis for Coal Demand Modeling**  
Aydın G.  
ENERGY SOURCES PART B-ECONOMICS PLANNING AND POLICY, vol.10, no.2, pp.183-191, 2015 (SCI-Expanded)
10. **Performance of recycling abrasives in rock cutting by abrasive water jet**  
Aydın G.  
JOURNAL OF CENTRAL SOUTH UNIVERSITY, vol.22, no.3, pp.1055-1061, 2015 (SCI-Expanded)
11. **Forecasting Natural Gas Production Using Various Regression Models**  
Aydın G.  
PETROLEUM SCIENCE AND TECHNOLOGY, vol.33, pp.1486-1492, 2015 (SCI-Expanded)
12. **Regression Models for Forecasting Global Oil Production**  
Aydın G.  
PETROLEUM SCIENCE AND TECHNOLOGY, vol.33, pp.1822-1828, 2015 (SCI-Expanded)
13. **The Modeling and Projection of Primary Energy Consumption by the Sources**  
Aydın G.  
ENERGY SOURCES PART B-ECONOMICS PLANNING AND POLICY, vol.10, no.1, pp.67-74, 2015 (SCI-Expanded)

14. **Artificial neural network and regression models for performance prediction of abrasive waterjet in rock cutting**  
AYDIN G., KARAKURT İ., Hamzacebi C.  
INTERNATIONAL JOURNAL OF ADVANCED MANUFACTURING TECHNOLOGY, vol.75, pp.1321-1330, 2014 (SCI-Expanded)
15. **Recycling of abrasives in abrasive water jet cutting with different types of granite**  
Aydin G.  
ARABIAN JOURNAL OF GEOSCIENCES, vol.7, no.10, pp.4425-4435, 2014 (SCI-Expanded)
16. **Modeling of energy consumption based on economic and demographic factors: The case of Turkey with projections**  
Aydin G.  
RENEWABLE & SUSTAINABLE ENERGY REVIEWS, vol.35, pp.382-389, 2014 (SCI-Expanded)
17. **An investigation on the kerf width in abrasive waterjet cutting of granitic rocks**  
KARAKURT İ., AYDIN G., AYDINER K.  
ARABIAN JOURNAL OF GEOSCIENCES, vol.7, no.7, pp.2923-2932, 2014 (SCI-Expanded)
18. **Production Modeling in the Oil and Natural Gas Industry: An Application of Trend Analysis**  
Aydin G.  
PETROLEUM SCIENCE AND TECHNOLOGY, vol.32, no.5, pp.555-564, 2014 (SCI-Expanded)
19. **The Modeling of Coal-related CO<sub>2</sub> Emissions and Projections into Future Planning**  
Aydin G.  
ENERGY SOURCES PART A-RECOVERY UTILIZATION AND ENVIRONMENTAL EFFECTS, vol.36, no.2, pp.191-201, 2014 (SCI-Expanded)
20. **Wear Performance of Saw Blades in Processing of Granitic Rocks and Development of Models for Wear Estimation**  
AYDIN G., KARAKURT İ., AYDINER K.  
ROCK MECHANICS AND ROCK ENGINEERING, vol.46, no.6, pp.1559-1575, 2013 (SCI-Expanded)
21. **Prediction of the Cut Depth of Granitic Rocks Machined by Abrasive Waterjet (AWJ)**  
AYDIN G., KARAKURT İ., AYDINER K.  
ROCK MECHANICS AND ROCK ENGINEERING, vol.46, no.5, pp.1223-1235, 2013 (SCI-Expanded)
22. **Development of Predictive Models for the Specific Energy of Circular Diamond Sawblades in the Sawing of Granitic Rocks**  
AYDIN G., KARAKURT İ., AYDINER K.  
ROCK MECHANICS AND ROCK ENGINEERING, vol.46, no.4, pp.767-783, 2013 (SCI-Expanded)
23. **Investigation of the surface roughness of rocks sawn by diamond sawblades**  
AYDIN G., KARAKURT İ., AYDINER K.  
INTERNATIONAL JOURNAL OF ROCK MECHANICS AND MINING SCIENCES, vol.61, pp.171-182, 2013 (SCI-Expanded)
24. **Diamond recovery from waste sawblades: A preliminary investigation**  
CELEP O., AYDIN G., KARAKURT İ.  
PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART B-JOURNAL OF ENGINEERING MANUFACTURE, vol.227, no.6, pp.917-921, 2013 (SCI-Expanded)
25. **Predictive modelling of noise level generated during sawing of rocks by circular diamond sawblades**  
KARAKURT İ., AYDIN G., AYDINER K.  
SADHANA-ACADEMY PROCEEDINGS IN ENGINEERING SCIENCES, vol.38, no.3, pp.491-511, 2013 (SCI-Expanded)
26. **Experimental and statistical analysis of cutting force acting on diamond sawblade in sawing of granitic rocks**  
KARAKURT İ., AYDIN G., AYDINER K.  
PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART B-JOURNAL OF ENGINEERING MANUFACTURE, vol.227, pp.286-300, 2013 (SCI-Expanded)
27. **Effect of operating variables on specific wear rate of diamond sawblades in sawing of granites**  
KARAKURT İ., AYDIN G., AYDINER K.

- Engineering Science and Technology, An International Journal, vol.16, pp.11-16, 2013 (SCI-Expanded)
28. **A study on the prediction of kerf angle in abrasive waterjet machining of rocks**  
KARAKURT İ., AYDIN G., AYDINER K.  
PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART B-JOURNAL OF ENGINEERING MANUFACTURE, vol.226, pp.1489-1499, 2012 (SCI-Expanded)
  29. **Performance of Abrasive Waterjet in Granite Cutting: Influence of the Textural Properties**  
AYDIN G., KARAKURT İ., AYDINER K.  
JOURNAL OF MATERIALS IN CIVIL ENGINEERING, vol.24, no.7, pp.944-949, 2012 (SCI-Expanded)
  30. **Development of predictive models for specific energy of diamond sawblades concerning operating variables**  
AYDIN G., KARAKURT İ., AYDINER K.  
Engineering Science and Technology, an International Journal, vol.15, pp.155-161, 2012 (SCI-Expanded)
  31. **Sources and mitigation of methane emissions by sectors: A critical review**  
KARAKURT İ., AYDIN G., AYDINER K.  
RENEWABLE ENERGY, vol.39, no.1, pp.40-48, 2012 (SCI-Expanded)
  32. **Analysis and Mitigation Opportunities of Methane Emissions from the Energy Sector**  
AYDIN G., Karakurt İ., Aydiner K.  
ENERGY SOURCES PART A-RECOVERY UTILIZATION AND ENVIRONMENTAL EFFECTS, vol.34, no.11, pp.967-982, 2012 (SCI-Expanded)
  33. **An Experimental Study on the Depth of Cut of Granite in Abrasive Waterjet Cutting**  
KARAKURT İ., AYDIN G., AYDINER K.  
MATERIALS AND MANUFACTURING PROCESSES, vol.27, no.5, pp.538-544, 2012 (SCI-Expanded)
  34. **Analysis of the kerf angle of the granite machined by abrasive waterjet (AWJ)**  
KARAKURT İ., AYDIN G., AYDINER K.  
INDIAN JOURNAL OF ENGINEERING AND MATERIALS SCIENCES, vol.18, no.6, pp.435-442, 2011 (SCI-Expanded)
  35. **An investigation on surface roughness of granite machined by abrasive waterjet**  
AYDIN G., KARAKURT İ., AYDINER K.  
BULLETIN OF MATERIALS SCIENCE, vol.34, no.4, pp.985-992, 2011 (SCI-Expanded)
  36. **Mine ventilation air methane as a sustainable energy source**  
KARAKURT İ., AYDIN G., AYDINER K.  
RENEWABLE & SUSTAINABLE ENERGY REVIEWS, vol.15, no.2, pp.1042-1049, 2011 (SCI-Expanded)
  37. **Evaluation of geologic storage options of CO<sub>2</sub>: Applicability, cost, storage capacity and safety**  
AYDIN G., KARAKURT İ., AYDINER K.  
ENERGY POLICY, vol.38, no.9, pp.5072-5080, 2010 (SCI-Expanded)

## Articles Published in Other Journals

1. **Aşındırıcı Sujetiyle Doğaltaş Kesmede Granit Atıklarının Aşındırıcı Olarak Değerlendirilmesi**  
Aydın G., Kaya S., Karakurt İ., Yıldırım F.  
Scientific Mining Journal, vol.58, no.3, pp.211-218, 2019 (Scopus)
2. **Effect of the rock grain size on the cutting performance of abrasive waterjet AWJ**  
KARAKURT İ., AYDIN G., AYDINER K.  
MADENCİLİK, vol.50, no.1, pp.23-32, 2012 (Peer-Reviewed Journal)
3. **Doğal gaz ve petrol sistemlerinden kaynaklanan metan emisyonlarının analizi: 1990–2010**  
AYDIN G., KARAKURT İ., AYDINER K.  
ERCİYES ÜNİVERSİTESİ FEN BİLİMLERİ ENSTİTÜSÜ DERGİSİ, vol.28, pp.205-224, 2012 (Peer-Reviewed Journal)
4. **Antropojenik metan emisyonlarının sektörel analizi**  
AYDIN G., KARAKURT İ., AYDINER K.  
TÜBAV Bilim Dergisi, vol.4, pp.42-51, 2011 (Peer-Reviewed Journal)
5. **Analysis of methane emissions from natural gas and oil systems 1990 2010**

AYDIN G., KARAKURT İ., AYDINER K.

Erciyes University Journal of the Institute of Science and Technology, vol.28, no.3, pp.205-224, 2011 (Peer-Reviewed Journal)

6. **Kayaç tane boyutunun asındırıcı su jeti (ASJ) kesme performansına etkisi**  
KARAKURT İ., AYDIN G., AYDINER K.  
Madencilik, vol.50, pp.23-32, 2011 (Peer-Reviewed Journal)
7. **A Machinability Study of Granite Using Abrasive Waterjet Cutting Technology**  
KARAKURT İ., AYDIN G., AYDINER K.  
GAZI UNIVERSITY JOURNAL OF SCIENCE, vol.24, no.1, pp.143-151, 2011 (ESCI)
8. **Asındırıcılı su jeti ile kesmede kesme parametrelerinin granit yüzey pürüzlülüğüne etkisi**  
KARAKURT İ., AYDIN G., AYDINER K.  
Hacettepe Üniversitesi Yerbilimleri Dergisi, vol.31, pp.99-110, 2010 (Peer-Reviewed Journal)
9. **Investigation of effect of the process parameters on kerf angle of the granite in abrasive waterjet cutting** **Aşındırıcı su jeti ile kesmede çalışma parametrelerinin granit kerf açısına etkisinin araştırılması**  
Aydin G., Karakurt I., Aydiner K.  
Madencilik, vol.49, no.2, pp.17-26, 2010 (Scopus)
10. **Asındırıcı su jeti ile kesmede çalışma parametrelerinin granit kerf açısına etkisinin araştırılması**  
AYDIN G., KARAKURT İ., AYDINER K.  
Madencilik, vol.49, pp.17-26, 2010 (Peer-Reviewed Journal)
11. **Ocak havasındaki düşük konsantrasyonlu metanın azaltım ve kullanım teknolojileri**  
KARAKURT İ., AYDIN G., AYDINER K.  
Sigma Mühendislik ve Fen Bilimleri Dergisi, vol.28, pp.49-65, 2010 (Peer-Reviewed Journal)
12. **Effect of the abrasive grain size on the cutting performance of concrete in abrasive waterjet technology**  
KARAKURT İ., AYDIN G., AYDINER K.  
TECHNOLOGY, vol.13, pp.145-150, 2010 (Peer-Reviewed Journal)
13. **Su jeti teknolojisinin madencilik sektöründeki uygulamalarının değerlendirilmesi**  
KARAKURT İ., AYDIN G., AYDINER K.  
Pamukkale Üniversitesi Mühendislik Bilimleri Dergisi, vol.16, no.1, pp.113-121, 2010 (Peer-Reviewed Journal)
14. **Effect of cutting parameters on the surface roughness of granite in abrasive waterjet cutting** **Aşındırıcılı su jeti ile kesmede kesme parametrelerinin granit yüzey pürüzlülüğüne etkisi**  
KARAKURT İ., AYDIN G., AYDINER K.  
Yerbilimleri/ Earth Sciences, vol.31, no.2, pp.99-110, 2010 (Scopus)
15. **Su jeti teknolojisinin madencilik sektöründeki uygulamalarının değerlendirilmesi**  
KARAKURT İ., AYDIN G., AYDINER K.  
PAMUKKALE ÜNİVERSİTESİ MÜHENDİSLİK BİLİMLERİ DERGİSİ, vol.16, pp.113-121, 2010 (Peer-Reviewed Journal)
16. **MITIGATION AND UTILIZATION TECHNOLOGIES OF LOW CONCENTRATION METHANE IN MINE VENTILATION AIR**  
KARAKURT İ., AYDIN G., AYDINER K.  
SIGMA JOURNAL OF ENGINEERING AND NATURAL SCIENCES-SIGMA MUHENDISLIK VE FEN BİLİMLERİ DERGİSİ, vol.28, no.1, pp.49-65, 2010 (ESCI)
17. **Aşındırıcı su jeti ile kesmede çalışma parametrelerinin granit kerf açısına etkisinin araştırılması**  
AYDIN G., KARAKURT İ., AYDINER K.  
Madencilik, vol.49, no.2, pp.17-26, 2010 (Peer-Reviewed Journal)
18. **Assessment of the surface quality of the granite cut by abrasive waterjet**  
AYDIN G., KARAKURT İ., AYDINER K.  
TECHNOLOGY, vol.13, pp.41-48, 2010 (Peer-Reviewed Journal)
19. **Assessment of the Applications of Water Jet Technology in Mining**  
KARAKURT İ., AYDIN G., AYDINER K.

PAMUKKALE UNIVERSITY JOURNAL OF ENGINEERING SCIENCES-PAMUKKALE UNIVERSİTESİ MUHENDİSLİK BİLİMLERİ DERGİSİ, vol.16, no.1, pp.105-112, 2010 (ESCI)

20. **Aşındırıcılı su jeti ile kesmede kesme parametrelerinin granit yüzey pürüzlülüğüne etkisi**  
KARAKURT İ., AYDIN G., AYDINER K.  
Hacettepe Üniversitesi Yerbilimleri Dergisi, vol.31, no.2, pp.99-110, 2010 (Peer-Reviewed Journal)
21. **Carbon dioxide storage at unminable coal seams İşetilemeyen kömür damarlarında karbondioksitin depolanması**  
AYDIN G., KARAKURT İ., AYDINER K.  
Madencilik, vol.48, no.4, pp.31-44, 2009 (Scopus)
22. **THE UTILIZATION TECHNOLOGIES OF METHANE PRODUCED FROM UNDERGRAUND COAL SEAMS**  
AYDIN G., KARAKURT İ.  
PAMUKKALE UNIVERSITY JOURNAL OF ENGINEERING SCIENCES-PAMUKKALE UNIVERSİTESİ MUHENDİSLİK BİLİMLERİ DERGİSİ, vol.15, no.1, pp.129-136, 2009 (ESCI)
23. **Yeraltı kömür damarlarından üretilen metanın kullanım teknolojileri**  
AYDIN G., KARAKURT İ.  
PAMUKKALE ÜNİVERSİTESİ MÜHENDİSLİK BİLİMLERİ DERGİSİ, vol.15, pp.129-136, 2009 (Peer-Reviewed Journal)
24. **Investigating the applicability of methane drainage in coal mining Kömür madenciliğinde metan drenajinin uygulanabilirliğinin araştırılması**  
AYDIN G., KESİMAL A.  
Madencilik, vol.46, no.4, pp.11-20, 2007 (Scopus)
25. **Kömür madenciliğinde metan drenajının uygulanabilirliğinin araştırılması**  
AYDIN G., KESİMAL A.  
Madencilik, vol.46, no.4, pp.11-20, 2007 (Peer-Reviewed Journal)

## Books & Book Chapters

1. **Abrasive Water Jet Machining (AWJM)**  
Aydın G., Karakurt İ.  
in: Advanced Machining Science, Vijay Kumar Jain, Editor, Taylor eBookstore , Florida, pp.1-22, 2022

## Refereed Congress / Symposium Publications in Proceedings

1. **Methods for improvement of abrasive waterjet cutting performance ASINDIRICI SUJETİ KESME PERFORMANSININ İYİLESTİRİLMESİNE YÖNELİK GELİSTİRİLEN YÖNTEMLER**  
Karakurt İ., Aydın G., Yıldırım F., Kaya S.  
26th International Mining Congress and Exhibition of Turkey, IMCET 2019, Antalya, Turkey, 16 - 19 April 2019, pp.1340-1345
2. **Current technological developments in cutting applications by abrasive waterjet ASINDIRICI SUJETİ İLE KESME UYGULAMALARINDA GÜNCEL TEKNOLOJİK GELİSMELER**  
Karakurt İ., Aydın G., Yıldırım F., Kaya S.  
26th International Mining Congress and Exhibition of Turkey, IMCET 2019, Antalya, Turkey, 16 - 19 April 2019, pp.1334-1339
3. **Investigation of the effect of abrasive type on cut depth in marble cutting with abrasive water jet ASINDIRICILI SU JETİ İLE MERMER KESMEDE ASINDIRICI TIPININ KESME DERİNLİĞİNE ETKİSİNİN ARASTIRILMASI**  
Kaya S., Aydın G., Karakurt İ.  
26th International Mining Congress and Exhibition of Turkey, IMCET 2019, Antalya, Turkey, 16 - 19 April 2019, pp.1346-1353



4. **Environmental impacts of fossil energy sources FOSİL ENERJİ KAYNAKLARININ ÇEVRESEL ETKİLERİ**  
Kaya S., Aydın G., Karakurt İ.  
26th International Mining Congress and Exhibition of Turkey, IMCET 2019, Antalya, Turkey, 16 - 19 April 2019, pp.1523-1529
5. **Kömür Kökenli Metan Üretimini Etkileyen Rezerv Özellikleri**  
Karakurt İ., Aydın G., Kaya S., Yıldırım F.  
Türkiye 21. Uluslararası Kömür Kongresi (ICCET 2018), Zonguldak, Turkey, 11 - 13 April 2018, vol.1, pp.117-123
6. **Kömür Madenlerinde Gaz ve Kömür Püskürmelerini Etkileyen Faktörler**  
Karakurt İ., Aydın G., Kaya S., Yıldırım F.  
Türkiye 21. Uluslararası Kömür Kongresi (ICCET 2018), Zonguldak, Turkey, 11 - 13 April 2018, vol.1, pp.39-46
7. **Performance Comparison of White Fused Alumina and Garnet Abrasives in Abrasive Waterjet Cutting of Marble**  
Kaya S., Aydın G., Karakurt İ.  
MERSEM 2017 - Türkiye 9. Uluslararası Mermer ve Doğaltaş Kongresi ve Sergisi (9th International Marble and Natural Stone Congress and Exhibition of Turkey), Antalya, Turkey, 13 - 15 December 2017, vol.1, pp.67-71
8. **Su Jetiyle Kayaç Kesiminde Aşındırıcı Performansının Etkileri Garnet ve Silisyum Karbür Karşılaştırması**  
Kaya S., Aydın G., Karakurt İ.  
VI. Uluslararası Maden Makinaları ve Teknolojileri Kongresi, İzmir, Turkey, 18 - 21 October 2017, vol.1, no.1, pp.233-238
9. **Utilization of Brown Fused Alumina as an alternative abrasive in abrasive waterjet cutting of rock**  
Kaya S., Aydın G., Karakurt İ.  
25th International Mining Congress of Turkey: New Trends in Mining, IMCET 2017, Antalya, Turkey, 11 - 14 April 2017, pp.392-396
10. **Kömür Kökenli Metan Üretiminden Kaynaklanan Çevresel Problemler**  
Karakurt İ., Aydın G., Kaya S.  
Maden İşletmelerinde İş Güvenliği ve İşçi Sağlığı Sempozyumu 2015, Adana, Turkey, 21 - 22 December 2015, vol.1, no.1, pp.133-140
11. **Yeraltı Kömür Madenlerinde Metan Kaynaklı Tehlikeler**  
Aydın G., Kaya S., Karakurt İ.  
Maden İşletmelerinde İş Güvenliği ve İşçi Sağlığı Sempozyumu 2015, Adana, Turkey, 21 - 22 December 2015, vol.1, no.1, pp.125-132
12. **Modeling of Turkey's CO2 emissions using economic and demographic variables**  
Karakurt I., Aydın G., Kaya S.  
24th International Mining Congress of Turkey, IMCET 2015, Antalya, Turkey, 14 - 17 April 2015, pp.1474-1479
13. **Forecasting of Turkey's coal consumption using grey prediction technique**  
Karakurt I., Aydın G., Kaya S., Hamzacebi C.  
24th International Mining Congress of Turkey, IMCET 2015, Antalya, Turkey, 14 - 17 April 2015, pp.77-82
14. **Modeling of coal consumption in Turkey: An application of trend analysis**  
Aydın G., Kaya S., Karakurt I.  
24th International Mining Congress of Turkey, IMCET 2015, Antalya, Turkey, 14 - 17 April 2015, pp.83-87
15. **ENERGY CONSUMPTION MODELING BASED ON GDP: THE CASE OF TURKEY**  
Aydın G., Kaya S., Karakurt İ.  
15th International Multidisciplinary Scientific Geoconference (SGEM), Albena, Bulgaria, 18 - 24 June 2015, pp.933-938
16. **Artificial neural network modeling of cut depth in rock cutting by abrasive waterjet**  
Karakurt İ., Aydın G., Kaya S., Hamzacebi C.  
15th International Multidisciplinary Scientific Geoconference and EXPO, SGEM 2015, Albena, Bulgaria, 18 - 24 June 2015, vol.3, pp.89-96
17. **Modeling of energy consumption based on population: The case of Turkey**  
Aydın G., Kaya S., Karakurt I.

- 24th International Mining Congress of Turkey, IMCET 2015, Antalya, Turkey, 14 - 17 April 2015, pp.88-92
18. **AN INVESTIGATION ON WEAR PERFORMANCES OF DIAMOND SAWBLADES: EFFECT OF PHYSICO-MECHANICAL PROPERTIES**  
KARAKURT İ., AYDIN G., AYDINER K.  
14th International Multidisciplinary Scientific Geoconference (SGEM), Albena, Bulgaria, 17 - 26 June 2014, pp.11-16
19. **Elmas kesici disklerin kayaç kesme performansının tahminine yönelik modellerin geliştirilmesi**  
KARAKURT İ., AYDIN G., AYDINER K.  
4. Maden Makineleri Sempozyumu, İzmir, Turkey, 23 - 24 May 2013, pp.243-248
20. **Elmas kesici disklerin aşınma karakteristigi üzerine bir inceleme**  
AYDIN G., KARAKURT İ., AYDINER K.  
4. Maden Makineleri Sempozyumu, İzmir, Turkey, 23 - 24 May 2013, pp.57-60
21. **Fossil fuel use and related carbon dioxide emissions: A global perspective**  
AYDINER K., KARAKURT İ., AYDIN G., KARAKURT İ.  
23rd International Mining Congress and Exhibition of Turkey, Antalya, Turkey, 17 - 19 April 2013, pp.2137-2141
22. **Experimental and statistical investigation on noise level of diamond sawblades in granitic rock sawing**  
AYDINER K., AYDIN G., KARAKURT İ.  
23rd International Mining Congress and Exhibition of Turkey, Antalya, Turkey, 17 - 19 April 2013, pp.671-677
23. **An experimental study on the surface roughness of rocks sawn by diamond sawblades: Effect of mineralogical properties**  
AYDINER K., AYDIN G., KARAKURT İ.  
23rd International Mining Congress and Exhibition of Turkey, Antalya, Turkey, 17 - 19 April 2013, pp.517-524
24. **A review of Turkey energy sources and related CO2 emissions**  
AYDIN G., KARAKURT İ.  
23rd International Mining Congress and Exhibition of Turkey, IMCET 2013, Antalya, Turkey, 16 - 19 April 2013, vol.3, pp.2143-2148
25. **INVESTIGATION OF SIGNIFICANT CUTTING PARAMETERS AFFECTING SURFACE ROUGHNESS OF THE ROCKS SAWN BY DISC CUTTERS**  
AYDIN G., KARAKURT İ., AYDINER K.  
13th International Multidisciplinary Scientific Geoconference, SGEM 2013, Albena, Bulgaria, 16 - 22 June 2013, pp.523-529
26. **An investigation on the specific energy of diamond sawblade in rock cutting: Effect of mineralogical properties**  
KARAKURT İ., AYDIN G., AYDINER K.  
8th. International Marble and Natural Stone Congress, Afyon, Turkey, 13 - 15 December 2012, pp.333-338
27. **An experimental study on surface roughness of rocks sawn by diamond sawblades**  
AYDIN G., KARAKURT İ., AYDINER K.  
8th. International Marble and Natural Stone Congress, Afyon, Turkey, 13 - 15 December 2012, pp.339-344
28. **A study into performance prediction of abrasive waterjet in granitic rock cutting**  
KARAKURT İ., AYDIN G., AYDINER K.  
21st International Conference on Water Jetting: Looking to the Future, Learning from the Past, Ottawa, Canada, 19 - 22 September 2012, pp.423-432
29. **Effect of operating variables on specific energy of diamond sawblades in rock cutting**  
AYDIN G., KARAKURT İ., AYDINER K.  
8th. International Industrial Minerals Symposium, İstanbul, Turkey, 29 - 30 November 2012, pp.289-293
30. **An experimental study on the cutting force acting on diamond sawblade: Effect of rock properties**  
KARAKURT İ., AYDIN G., AYDINER K.  
8th. International Industrial Minerals Symposium, İstanbul, Turkey, 29 - 30 November 2012, pp.277-282
31. **Elmas kesici disklere etkiyen kesme kuvvetinin kayaç fiziko-mekanik özellikleriyle tahmini**  
AYDIN G., KARAKURT İ., AYDINER K.

1. Yerbilimleri Sempozyumu, Isparta, Turkey, 18 - 20 October 2012, pp.49-53
32. **Elmas kesici disklerle kayaç kesmede kesme parametrelerinin gürültü seviyesi üzerindeki etkilerinin araştırılması**  
KARAKURT İ., AYDIN G., AYDINER K.  
1. Yerbilimleri Sempozyumu, Isparta, Turkey, 18 - 20 October 2012, pp.55-69
33. **A study on the performance prediction of abrasive waterjet in granitic rock cutting**  
AYDINER K., AYDIN G., KARAKURT İ.  
21st International Conference on Water Jetting, Ottawa, Ottawa, Canada, 20 - 23 February 2012, pp.423-432
34. **Statistical evaluation of the surface roughness produced by abrasive waterjet (AWJ)**  
AYDINER K., AYDIN G., KARAKURT İ.  
21st International Conference on Water Jetting, Ottawa, Canada, 20 - 23 February 2012, pp.415-422
35. **AN EXPERIMENTAL STUDY ON THE CUTTING FORCE OF CIRCULAR DIAMOND SAWBLADES IN STONE SAWING**  
KARAKURT İ., AYDIN G., AYDINER K.  
12h International Multidisciplinary Scientific Geoconference (SGEM), Albena, Bulgaria, 17 - 23 June 2012, pp.433-440
36. **EFFECT OF PHYSICO-MECHANICAL PROPERTIES ON THE SPECIFIC ENERGY OF DIAMOND SAWBLADES IN ROCK CUTTING**  
AYDIN G., KARAKURT İ., AYDINER K.  
12h International Multidisciplinary Scientific Geoconference (SGEM), Albena, Bulgaria, 17 - 23 June 2012, pp.555-561
37. **Cutting performance of the granite cut by AWJ: Effect of grain size**  
AYDINER K., AYDIN G., KARAKURT İ.  
22nd World Mining Congress & Expo 2011, İstanbul, Turkey, 1 - 04 November 2011, pp.277-281
38. **Evaluation of the granite surfaces produced by AWJ**  
AYDINER K., AYDIN G., KARAKURT İ.  
22nd World Mining Congress & Expo 2011, İstanbul, Turkey, 1 - 04 November 2011, pp.273-276
39. **Performance optimization of abrasive waterjet technology in granite cutting**  
AYDIN G., KARAKURT İ., AYDINER K.  
American Waterjet Conference and Expo 2011, Houston, United States Of America, 19 - 21 September 2011
40. **Effect of the uniaxial compressive strength of the granite on the cut depth in abrasive waterjet cutting**  
AYDINER K., AYDIN G., KARAKURT İ.  
American Waterjet Conference and Expo 2011, Houston, United States Of America, 25 - 29 July 2011
41. **Karbondioksit emisyonlarının azaltılmasına yönelik uygulanabilecek stratejilerin değerlendirilmesi**  
AYDIN G., KARAKURT İ., AYDINER K.  
22nd. International Mining Congress and Exhibition of Turkey, Ankara, Turkey, 11 - 13 May 2011, pp.455-461
42. **Influence of the rock microhardness on the cutting performance of AWJ.**  
KARAKURT İ., AYDIN G., AYDINER K.  
22nd. International Mining Congress and Exhibition of Turkey, Ankara, Turkey, 11 - 13 May 2011, pp.105-109
43. **Türkiye'nin gerçekleştirdiği metan emisyonları: Madencilik faaliyetlerinin payı**  
KARAKURT İ., AYDIN G., AYDINER K.  
22nd. International Mining Congress and Exhibition of Turkey, Ankara, Turkey, 11 - 13 May 2011, pp.449-454
44. **An investigation on kerf characteristics in abrasive waterjet machining of granite**  
AYDINER K., AYDIN G., KARAKURT İ.  
20th International Conference on Water Jetting, Graz, Austria, 1 - 04 February 2011, pp.469-475
45. **A study on the use of taguchi approach in AWJ machining of the granite**  
AYDIN G., KARAKURT İ., AYDINER K.  
22nd International Mining Congress and Exhibition of Turkey, IMCET 2011, Ankara, Turkey, 11 - 13 May 2011, pp.111-116
46. **Determination of major process parameters affecting the cut depth of granite in abrasive waterjet**

## **cutting**

AYDIN G., KARAKURT İ., AYDINER K.

20th International Conference on Water Jetting, Graz, Austria, 20 - 22 October 2010, pp.477-483

47. **Atık kaynaklı metan emisyonları üzerine bir inceleme**  
KARAKURT İ., AYDIN G., AYDINER K.  
Uluslararası 2. Atık Teknolojileri Sempozyumu ve Sergisi, İstanbul, Turkey, 4 - 05 November 2010, pp.284-286
48. **Drenajla üretilen atık suyun bertarafında kömür kökenli metanın kullanılması**  
AYDIN G., KARAKURT İ., AYDINER K.  
Uluslararası 2. Atık Teknolojileri Sempozyumu ve Sergisi, İstanbul, Turkey, 4 - 05 November 2010, pp.107-110
49. **Analysis of global anthropogenic non-CO2 greenhouse gas emissions in energy sector**  
KARAKURT İ., AYDIN G., AYDINER K.  
1st International Turkish-Japanese Symposium on Environment and Forestry, Trabzon, Turkey, 21 - 23 October 2010, pp.461-473
50. **Sectoral analysis of anthropogenic methane emissions**  
AYDIN G., KARAKURT İ., AYDINER K.  
1st International Turkish-Japanese Symposium on Environment and Forestry, Trabzon, Turkey, 21 - 23 October 2010, pp.444-460
51. **An investigation on kerf characteristics in abrasive waterjet machining of granite**  
KARAKURT İ., AYDIN G., AYDINER K.  
20th International Conference on Water Jetting, Graz, Austria, 20 - 22 October 2010, pp.469-475
52. **Effect of process parameters on the kerf widths in abrasive waterjet cutting**  
KARAKURT İ., AYDIN G., AYDINER K.  
10th International Multidisciplinary Scientific Geo-Conference & EXPO, Varna, Bulgaria, 20 - 26 June 2010, pp.415-421
53. **Evaluation of the cut depths of the granites machined by abrasive waterjet**  
KARAKURT İ., AYDIN G., AYDINER K.  
7th. International Marble and Natural Stone Congress, Afyon, Turkey, 9 - 11 June 2010, pp.33-38
54. **An experimental study on the kerf geometry of the granite cut with abrasive waterjet**  
AYDIN G., KARAKURT İ., AYDINER K.  
7th. International Marble and Natural Stone Congress, Afyon, Turkey, 9 - 11 June 2010, pp.19-24
55. **Karbondioksitin Tutulması, nakliyesi ve kömür damarlarında depolanma olanaklarının araştırılması**  
AYDIN G., KARAKURT İ., AYDINER K.  
17. Kömür Kongresi, Zonguldak, Turkey, 2 - 04 June 2010, pp.331-340
56. **Kömür madenlerinde metan drenajının işletme maliyetlerine etkisi**  
KARAKURT İ., AYDIN G., AYDINER K.  
17. Kömür Kongresi, Zonguldak, Turkey, 2 - 04 June 2010, pp.361-368
57. **Kömür damarlarında kömür özelliklerinin gaz içerigine etkisi**  
KARAKURT İ., AYDIN G., AYDINER K.  
17. Kömür Kongresi, Zonguldak, Turkey, 2 - 04 June 2010, pp.351-360
58. **Kömür üretimiyle gerçekleşen metan emisyonları üzerine bir inceleme**  
AYDIN G., KARAKURT İ., AYDINER K.  
17. Kömür Kongresi, Zonguldak, Turkey, 2 - 04 June 2010, pp.341-356
59. **Determination of major process parameters affecting the cut depths of granite in abrasive waterjet cutting**  
AYDINER K., AYDIN G., KARAKURT İ.  
20th International Conference on Water Jetting,, Graz, Austria, 1 - 04 February 2010, pp.477-483
60. **THE ROLE OF METHANE EMISSIONS FROM COAL MINING IN GLOBAL WARMING**  
AYDIN G., KARAKURT İ., AYDINER K.  
10th International Multidisciplinary Scientific GeoConference SGEM 2010, Albena, Bulgaria, 20 - 26 June 2010, pp.583-588
61. **AN EXPERIMENTAL STUDY ON ABRASIVE WATERJET MACHINING THROUGH DESIGN OF EXPERIMENT**

- AYDIN G., KARAKURT İ., AYDINER K.  
10th International Multidisciplinary Scientific GeoConference SGEM 2010, Albena, Bulgaria, 20 - 26 June 2010, pp.365-371
62. **OPTIMIZATION OF PROCESS PARAMETERS FOR SURFACE ROUGHNESS OF THE GRANITE IN ABRASIVE WATERJET CUTTING**  
KARAKURT İ., AYDIN G., AYDINER K.  
10th International Multidisciplinary Scientific GeoConference SGEM 2010, Albena, Bulgaria, 20 - 26 June 2010, pp.499-506
63. **EFFECT OF THE PROCESS PARAMETERS ON THE KERF WIDTH IN ABRASIVE WATERJET CUTTING**  
KARAKURT İ., AYDIN G., AYDINER K.  
10th International Multidisciplinary Scientific GeoConference SGEM 2010, Albena, Bulgaria, 20 - 26 June 2010, pp.415-421
64. **Kömür kökenli metanın doğal gaz olarak kullanımı**  
KARAKURT İ., AYDIN G., AYDINER K.  
7. Enerji Sempozyumu, Ankara, Turkey, 17 - 19 December 2009, pp.67-76
65. **Enerji kaynaklı küresel metan emisyonlarının irdelenmesi: 1990-2010**  
AYDIN G., KARAKURT İ., AYDINER K.  
7. Enerji Sempozyumu, Ankara, Turkey, 17 - 19 December 2009, pp.129-143
66. **Metan drenajıyla üretilen gaz miktarının artırılmasında kullanılan yöntemler**  
AYDIN G., KARAKURT İ., AYDINER K.  
2. Maden İşletmelerinde İş Sağlığı ve Güvenliği Sempozyumu, Adana, Turkey, 19 - 20 November 2009, pp.145-150
67. **Yeraltı kömür madenlerinde jeolojik unsurların metan emisyonlarına etkisi**  
KARAKURT İ., AYDIN G., AYDINER K.  
2. Maden İşletmelerinde İş Sağlığı ve Güvenliği Sempozyumu, Adana, Turkey, 19 - 20 November 2009, pp.151-158
68. **Metan drenajının işletme performansı üzerindeki etkilerinin araştırılması**  
AYDIN G., KARAKURT İ., AYDINER K.  
3. Balkan Madencilik Kongresi, İzmir, Turkey, 1 - 03 October 2009, pp.575-583
69. **Maden havasındaki metanın oksidasyonu ile enerji üretimi**  
KARAKURT İ., AYDIN G., AYDINER K.  
3. Balkan Madencilik Kongresi, İzmir, Turkey, 1 - 03 October 2009, pp.585-592
70. **Kömür kaynaklı metan gazının çevresel etkilerinin azaltılmasında metan drenajının önemi**  
AYDIN G., KARAKURT İ., AYDINER K.  
3. Madencilik ve Çevre Sempozyumu, Ankara, Turkey, 11 - 12 June 2009, pp.271-278
71. **Kömür madenlerinden açığa çıkan metan gazının azaltım seçenekleri**  
KARAKURT İ., AYDIN G., AYDINER K.  
3. Madencilik ve Çevre Sempozyumu, Ankara, Turkey, 11 - 12 June 2009, pp.165-172
72. **Asındırıcı su jeti kesme sistemlerinde kesme hızının kesme performansına etkisinin araştırılması**  
KARAKURT İ., AYDIN G., AYDINER K.  
21st International Mining Congress and Exhibition of Turkey, Antalya, Turkey, 7 - 09 May 2009, pp.347-354
73. **Çeşitli kaynaklara bağlı olarak enerji sektöründen açığa çıkan küresel metan emisyonlarının bölgesel analizi**  
AYDIN G., KARAKURT İ.  
21st International Mining Congress and Exhibition of Turkey, Antalya, Turkey, 6 - 08 May 2009, pp.629-637

## Other Publications

1. **Doğaltaş İşletmeciliği**  
Aydın G.  
Lecture Note, pp.1-131, 2021
2. **Madenlerde Havalandırma**

Aydın G.

Lecture Note, pp.1-93, 2020

### 3. Yeraltı Maden İşletmeciliği

Aydın G.

Lecture Note, pp.1-160, 2020

## Courses

Maden Havaladırma Tasarımı, Doctorate, 2019 - 2020

Kesilebilirlik Modellemede Regresyon Analizi, Postgraduate, 2019 - 2020

Maden Mekanizasyonu, Postgraduate, 2019 - 2020

Fosil Enerji, Doctorate, 2019 - 2020

Doğal Taşlarda Yüzey İşleme, Doctorate, 2019 - 2020

Yeraltı Maden İşletmeciliği, Undergraduate, 2019 - 2020

Aşındırıcılı Su Jeti ile Kayaç Kesimi, Doctorate, 2019 - 2020

Alternatif Sujeti Aşındırıcıları, Postgraduate, 2019 - 2020

## Advising Theses

Aydın G., Granit, Cam, Cüruf ve Beton Atıklarının Aşındırıcılı Su Jeti ile Doğal Taş Kesmede Aşındırıcı Olarak Kullanımı, Doctorate, M.Reza(Student), 2023

Aydın G., Aşındırıcılı Su Jeti ile Doğal Taş Kesmede Alternatif Aşındırıcıların Performanslarının Deneysel İncelenmesi, Doctorate, S.KAYA(Student), 2022

Aydın G., Su Jetiyle Kayaç Kesmede Çeşitli Aşındırıcıların Kullanımı, Postgraduate, S.KAYA(Student), 2016

## Memberships / Tasks in Scientific Organizations

Global Methane Initiative Project Network, Member, 2009 - Continues, United States Of America

TMMOB Maden Mühendisleri Odası, Member, 2005 - Continues, Turkey

## Scientific Refereeing

Hakemliklerimin tam listesi için Publons sayfamı ziyaret edebilirsiniz (Please visit my Publons page for the complete list of my referees), Other Journals, July 2021

JOURNAL OF NATURAL GAS SCIENCE AND ENGINEERING, SCI Journal, June 2021

JOURNAL OF NATURAL GAS SCIENCE AND ENGINEERING, SCI Journal, June 2021

MEASUREMENT, SCI Journal, June 2021

ENERGY, SCI Journal, June 2021

ENERGY REPORTS, SCI Journal, June 2021

ENERGY, SCI Journal, June 2021

MEASUREMENT, SCI Journal, June 2021

ENERGY REPORTS, SCI Journal, June 2021

CLEAN TECHNOLOGIES AND ENVIRONMENTAL POLICY, Journal Indexed in SCI-E, June 2021

JOURNAL OF NATURAL GAS SCIENCE AND ENGINEERING, SCI Journal, June 2021

ENERGY, SCI Journal, June 2021

BULLETIN OF ENGINEERING GEOLOGY AND THE ENVIRONMENT, Journal Indexed in SCI-E, June 2021

ENERGY, SCI Journal, June 2021

RENEWABLE ENERGY, SCI Journal, May 2021

JOURNAL OF NATURAL GAS SCIENCE AND ENGINEERING, SCI Journal, May 2021  
ENERGY, SCI Journal, May 2021  
ENERGY REPORTS, SCI Journal, May 2021  
JOURNAL OF NATURAL GAS SCIENCE AND ENGINEERING, SCI Journal, May 2021  
ARABIAN JOURNAL OF GEOSCIENCES, Journal Indexed in SCI-E, May 2021  
ARABIAN JOURNAL OF GEOSCIENCES, Journal Indexed in SCI-E, May 2021  
ENERGY, SCI Journal, May 2021  
ARABIAN JOURNAL OF GEOSCIENCES, Journal Indexed in SCI-E, May 2021  
APPLIED ENERGY, SCI Journal, May 2021  
JOURNAL OF NATURAL GAS SCIENCE AND ENGINEERING, SCI Journal, May 2021  
ADVANCES IN MECHANICAL ENGINEERING, SCI Journal, May 2021  
APPLIED ENERGY, SCI Journal, May 2021  
CLEAN TECHNOLOGIES AND ENVIRONMENTAL POLICY, SCI Journal, May 2021  
ARABIAN JOURNAL OF GEOSCIENCES, Journal Indexed in SCI-E, May 2021  
ARABIAN JOURNAL OF GEOSCIENCES, Journal Indexed in SCI-E, May 2021  
ARABIAN JOURNAL OF GEOSCIENCES, Journal Indexed in SCI-E, May 2021  
APPLIED ENERGY, SCI Journal, May 2021  
ENERGY, SCI Journal, May 2021  
ENERGY, SCI Journal, May 2021  
ENVIRONMENTAL CHALLENGES, Other Indexed Journal, May 2021  
MEASUREMENT, SCI Journal, May 2021  
ENERGY, SCI Journal, May 2021  
ENERGY, SCI Journal, May 2021  
JOURNAL OF NATURAL GAS SCIENCE AND ENGINEERING, SCI Journal, May 2021  
ENERGY EFFICIENCY, SCI Journal, May 2021  
JOURNAL OF NATURAL GAS SCIENCE AND ENGINEERING, SCI Journal, May 2021  
ARABIAN JOURNAL OF GEOSCIENCES, Journal Indexed in SCI-E, May 2021  
ARABIAN JOURNAL OF GEOSCIENCES, Journal Indexed in SCI-E, May 2021  
ENERGY, SCI Journal, May 2021  
RENEWABLE ENERGY, SCI Journal, May 2021  
ROCK MECHANICS AND ROCK ENGINEERING, SCI Journal, May 2021  
RENEWABLE ENERGY, SCI Journal, May 2021  
JOURNAL OF NATURAL GAS SCIENCE AND ENGINEERING, SCI Journal, May 2021  
ENERGY REPORTS, SCI Journal, May 2021  
ARABIAN JOURNAL OF GEOSCIENCES, Journal Indexed in SCI-E, May 2021  
ENVIRONMENTAL EARTH SCIENCES, SCI Journal, May 2021  
JOURNAL OF CLEANER PRODUCTION, SCI Journal, May 2021  
RENEWABLE ENERGY, SCI Journal, May 2021  
ROCK MECHANICS AND ROCK ENGINEERING, SCI Journal, May 2021  
JOURNAL OF NATURAL GAS SCIENCE AND ENGINEERING, SCI Journal, May 2021  
APPLIED ENERGY, SCI Journal, May 2021  
RENEWABLE ENERGY, SCI Journal, May 2021  
SIGMA JOURNAL OF ENGINEERING AND NATURAL SCIENCES, Other journals, May 2021  
JOURNAL OF NATURAL GAS SCIENCE AND ENGINEERING, SCI Journal, May 2021  
ENERGY, SCI Journal, May 2021  
ARABIAN JOURNAL OF GEOSCIENCES, Journal Indexed in SCI-E, May 2021  
APPLIED ENERGY, SCI Journal, May 2021  
CLEAN TECHNOLOGIES AND ENVIRONMENTAL POLICY, SCI Journal, May 2021  
APPLIED ENERGY, SCI Journal, April 2021  
ENERGY, SCI Journal, April 2021  
APPLIED ENERGY, SCI Journal, April 2021

ADVANCES IN MECHANICAL ENGINEERING, Journal Indexed in SCI-E, April 2021  
APPLIED ENERGY, SCI Journal, April 2021  
APPLIED ENERGY, SCI Journal, April 2021  
ENERGY, SCI Journal, April 2021  
STROJNISKI VESTNIK-JOURNAL OF MECHANICAL ENGINEERING, SCI Journal, April 2021  
APPLIED ENERGY, SCI Journal, April 2021  
ROCK MECHANICS AND ROCK ENGINEERING, Journal Indexed in SCI-E, April 2021  
ENGINEERING FRACTURE MECHANICS, SCI Journal, April 2021  
ENERGY, SCI Journal, April 2021  
ENERGY, SCI Journal, April 2021  
JOURNAL OF NATURAL GAS SCIENCE AND ENGINEERING, SCI Journal, April 2021  
ENERGY, SCI Journal, April 2021  
ARABIAN JOURNAL OF GEOSCIENCES, Journal Indexed in SCI-E, April 2021  
APPLIED ENERGY, SCI Journal, April 2021  
ENERGY, SCI Journal, April 2021  
APPLIED ENERGY, SCI Journal, April 2021  
ADVANCES IN MECHANICAL ENGINEERING, SCI Journal, March 2021  
CLEAN TECHNOLOGIES AND ENVIRONMENTAL POLICY, Journal Indexed in SCI-E, March 2021  
ENERGY, SCI Journal, March 2021  
ENERGY, SCI Journal, March 2021  
ENERGY, SCI Journal, March 2021  
APPLIED ENERGY, SCI Journal, March 2021  
ENERGY, National Scientific Refreed Journal, March 2021  
ENERGY, SCI Journal, February 2021  
THE 3rd CONFERENCE OF THE ARABIAN JOURNAL OF GEOSCIENCES, Conference Paper (Full Text), February 2021  
ENERGY, SCI Journal, February 2021  
THE 3rd CONFERENCE OF THE ARABIAN JOURNAL OF GEOSCIENCES, Conference Paper (Full Text), February 2021  
STROJNISKI VESTNIK-JOURNAL OF MECHANICAL ENGINEERING, SCI Journal, February 2021  
PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART B-JOURNAL OF ENGINEERING MANUFACTURE,  
SCI Journal, February 2021  
ENERGY, SCI Journal, February 2021  
ENERGY, SCI Journal, February 2021  
APPLIED ENERGY, SCI Journal, February 2021  
THE 3rd CONFERENCE OF THE ARABIAN JOURNAL OF GEOSCIENCES, Conference Paper (Full Text), February 2021  
ENERGY, SCI Journal, February 2021  
THE 3rd CONFERENCE OF THE ARABIAN JOURNAL OF GEOSCIENCES, Conference Paper (Full Text), February 2021  
THE 3rd CONFERENCE OF THE ARABIAN JOURNAL OF GEOSCIENCES, Conference Paper (Full Text), February 2021  
ENERGY SOURCES PART A-RECOVERY UTILIZATION AND ENVIRONMENTAL EFFECTS, SCI Journal, February 2021  
ENVIRONMENTAL PROGRESS & SUSTAINABLE ENERGY, Journal Indexed in SCI-E, January 2021  
ENERGY, SCI Journal, January 2021  
ENERGY, SCI Journal, January 2021  
ENERGY, SCI Journal, January 2021  
ADVANCES IN MECHANICAL ENGINEERING, SCI Journal, January 2021  
ENERGY, SCI Journal, January 2021  
ENVIRONMENTAL PROGRESS & SUSTAINABLE ENERGY, Journal Indexed in SCI-E, January 2021  
CLEAN TECHNOLOGIES AND ENVIRONMENTAL POLICY, Journal Indexed in SCI-E, January 2021  
APPLIED ENERGY, SCI Journal, January 2021  
ENERGY, SCI Journal, January 2021  
ENERGY, SCI Journal, January 2021  
BİLİMSEL MADENCİLİK DERGİSİ, National Scientific Refreed Journal, January 2021  
SIGMA JOURNAL OF ENGINEERING AND NATURAL SCIENCES, Journal Indexed in ESCI, January 2021



ROCK MECHANICS AND ROCK ENGINEERING, SCI Journal, January 2021

APPLIED ENERGY, SCI Journal, December 2020

ENERGY, SCI Journal, December 2020

ENERGY POLICY, SCI Journal, December 2020

ENVIRONMENTAL PROGRESS & SUSTAINABLE ENERGY, Journal Indexed in SCI-E, December 2020

ENERGY, SCI Journal, December 2020

ENVIRONMENTAL PROGRESS & SUSTAINABLE ENERGY, SCI Journal, November 2020

TRANSACTIONS OF THE CANADIAN SOCIETY FOR MECHANICAL ENGINEERING, SCI Journal, November 2020

ENERGY, SCI Journal, November 2020

STROJNISKI VESTNIK-JOURNAL OF MECHANICAL ENGINEERING, SCI Journal, November 2020

CLEAN TECHNOLOGIES AND ENVIRONMENTAL POLICY, Journal Indexed in SCI-E, November 2020

ARABIAN JOURNAL OF GEOSCIENCES, SCI Journal, October 2020

Project Supported by Higher Education Institutions, BAP Research Project, Cukurova University, Turkey, October 2020

THE 3rd CONFERENCE OF THE ARABIAN JOURNAL OF GEOSCIENCES, Conference Paper (Full Text), August 2020

THE 3rd CONFERENCE OF THE ARABIAN JOURNAL OF GEOSCIENCES, Conference Paper (Full Text), August 2020

APPLIED ENERGY, SCI Journal, August 2020

THE 3rd CONFERENCE OF THE ARABIAN JOURNAL OF GEOSCIENCES, Conference Paper (Full Text), August 2020

ROCK MECHANICS AND ROCK ENGINEERING, SCI Journal, August 2020

ENERGY SOURCES PART A-RECOVERY UTILIZATION AND ENVIRONMENTAL EFFECTS, SCI Journal, August 2020

APPLIED ENERGY, SCI Journal, August 2020

THE 3rd CONFERENCE OF THE ARABIAN JOURNAL OF GEOSCIENCES, Conference Paper (Full Text), August 2020

THE 3rd CONFERENCE OF THE ARABIAN JOURNAL OF GEOSCIENCES, Conference Paper (Full Text), August 2020

ENVIRONMENTAL PROGRESS, Journal Indexed in SCI-E, August 2020

APPLIED ENERGY, SCI Journal, August 2020

ROCK MECHANICS AND ROCK ENGINEERING, SCI Journal, July 2020

ARABIAN JOURNAL OF GEOSCIENCES, Journal Indexed in SCI-E, July 2020

RENEWABLE ENERGY, SCI Journal, July 2020

APPLIED ENERGY, SCI Journal, June 2020

APPLIED ENERGY, SCI Journal, June 2020

APPLIED ENERGY, SCI Journal, June 2020

APPLIED ENERGY, SCI Journal, June 2020

APPLIED ENERGY, SCI Journal, June 2020

APPLIED ENERGY, SCI Journal, June 2020

ERCİYES ÜNİVERSİTESİ FEN BİLİMLERİ ENSTİTÜSÜ DERGİSİ, National Scientific Refreed Journal, June 2020

APPLIED ENERGY, SCI Journal, June 2020

GÜMÜŞHANE ÜNİVERSİTESİ FEN BİLİMLERİ ENSTİTÜSÜ DERGİSİ, National Scientific Refreed Journal, May 2020

ENGINEERING SCIENCE AND TECHNOLOGY-AN INTERNATIONAL JOURNAL-JESTECH, Journal Indexed in SCI-E, April 2020

INTERNATIONAL JOURNAL OF MINING RECLAMATION AND ENVIRONMENT, Journal Indexed in SCI-E, April 2020

ENERGY, SCI Journal, April 2020

APPLIED ENERGY, SCI Journal, April 2020

ENERGY, SCI Journal, April 2020

ENERGY SOURCES PART A-RECOVERY UTILIZATION AND ENVIRONMENTAL EFFECTS, SCI Journal, April 2020

APPLIED ENERGY, SCI Journal, April 2020

RENEWABLE ENERGY, SCI Journal, April 2020

APPLIED ENERGY, SCI Journal, April 2020

APPLIED ENERGY, SCI Journal, March 2020

APPLIED ENERGY, SCI Journal, March 2020

APPLIED ENERGY, SCI Journal, March 2020

PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART B-JOURNAL OF ENGINEERING MANUFACTURE, Journal Indexed in SCI-E, February 2020

PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART B-JOURNAL OF ENGINEERING MANUFACTURE,

Journal Indexed in SCI-E, February 2020  
ADVANCES IN MATERIALS SCIENCE AND ENGINEERING, Journal Indexed in SCI-E, December 2019  
INTERNATIONAL JOURNAL OF ROCK MECHANICS AND MINING SCIENCES, SCI Journal, December 2019  
PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART B-JOURNAL OF ENGINEERING MANUFACTURE,  
Journal Indexed in SCI-E, October 2019  
ENERGY, SCI Journal, October 2019  
ENERGY, SCI Journal, September 2019  
PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART B-JOURNAL OF ENGINEERING MANUFACTURE,  
Journal Indexed in SCI-E, August 2019  
PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART B-JOURNAL OF ENGINEERING MANUFACTURE,  
Journal Indexed in SCI-E, July 2019  
RENEWABLE & SUSTAINABLE ENERGY REVIEWS, SCI Journal, May 2019  
CLEAN TECHNOLOGIES AND ENVIRONMENTAL POLICY, Journal Indexed in SCI-E, May 2019  
INTERNATIONAL JOURNAL OF ROCK MECHANICS AND MINING SCIENCES, SCI Journal, May 2019  
RENEWABLE & SUSTAINABLE ENERGY REVIEWS, SCI Journal, March 2019  
INTERNATIONAL JOURNAL OF ROCK MECHANICS AND MINING SCIENCES, SCI Journal, March 2019  
INTERNATIONAL JOURNAL OF ROCK MECHANICS AND MINING SCIENCES, SCI Journal, March 2019  
ROCK MECHANICS AND ROCK ENGINEERING, SCI Journal, February 2019  
NATURAL RESOURCES RESEARCH , Other Indexed Journal, January 2019  
JOURNAL OF NATURAL GAS SCIENCE AND ENGINEERING, Journal Indexed in SCI-E, January 2019  
CLEAN TECHNOLOGIES AND ENVIRONMENTAL POLICY, Journal Indexed in SCI-E, January 2019  
ROCK MECHANICS AND ROCK ENGINEERING, SCI Journal, December 2018  
JOURNAL OF THE CHINESE INSTITUTE OF ENGINEERS, Journal Indexed in SCI-E, December 2018  
NATURAL RESOURCES RESEARCH, Other Indexed Journal, December 2018  
MATHEMATICAL PROBLEMS IN ENGINEERING, Journal Indexed in SCI-E, November 2018  
JOURNAL OF CLEANER PRODUCTION, Journal Indexed in SCI-E, November 2018  
JOURNAL OF THE CHINESE INSTITUTE OF ENGINEERS, Journal Indexed in SCI-E, November 2018  
ENGINEERING SCIENCE AND TECHNOLOGY-AN INTERNATIONAL JOURNAL-JESTECH, Journal Indexed in SCI-E,  
November 2018  
INTERNATIONAL JOURNAL OF ROCK MECHANICS AND MINING SCIENCES, SCI Journal, October 2018  
CONSTRUCTION AND BUILDING MATERIALS, SCI Journal, September 2018  
ENERGY SOURCES PART B-ECONOMICS PLANNING AND POLICY, SCI Journal, May 2018  
ENERGY, SCI Journal, May 2018  
ENERGY, SCI Journal, April 2018  
INTERNATIONAL JOURNAL OF ROCK MECHANICS AND MINING SCIENCES, SCI Journal, April 2018  
ENERGY, SCI Journal, April 2018  
ROCK MECHANICS AND ROCK ENGINEERING, SCI Journal, March 2018  
BİLİMSEL MADENCİLİK DERGİSİ, National Scientific Refreed Journal, January 2018  
ENERGY, SCI Journal, December 2017  
NATURE SUSTAINABILITY, Journal Indexed in SCI-E, December 2017  
ENERGY, SCI Journal, November 2017  
ENERGY SOURCES PART A-RECOVERY UTILIZATION AND ENVIRONMENTAL EFFECTS, SCI Journal, October 2017  
ROCK MECHANICS AND ROCK ENGINEERING, SCI Journal, October 2017  
ENERGY, SCI Journal, October 2017  
ROCK MECHANICS AND ROCK ENGINEERING, SCI Journal, October 2017  
ADVANCES IN MECHANICAL ENGINEERING, SCI Journal, October 2017  
ROCK MECHANICS AND ROCK ENGINEERING, SCI Journal, August 2017  
JOURNAL OF CLEANER PRODUCTION, Journal Indexed in SCI-E, June 2017  
ADVANCES IN MECHANICAL ENGINEERING, SCI Journal, May 2017  
ADVANCES IN MECHANICAL ENGINEERING, SCI Journal, April 2017  
ENERGY SOURCES PART A-RECOVERY UTILIZATION AND ENVIRONMENTAL EFFECTS, SCI Journal, April 2017

INTERNATIONAL JOURNAL OF MINING RECLAMATION AND ENVIRONMENT, Journal Indexed in SCI-E, April 2017  
ENERGY, SCI Journal, March 2017  
ROCK MECHANICS AND ROCK ENGINEERING, SCI Journal, March 2017  
JOURNAL OF CLEANER PRODUCTION, Journal Indexed in SCI-E, March 2017  
Project Supported by Higher Education Institutions, BAP Research Project, Cukurova University, Turkey, March 2017  
JOURNAL OF CLEANER PRODUCTION, Journal Indexed in SCI-E, February 2017  
ROCK MECHANICS AND ROCK ENGINEERING, SCI Journal, February 2017  
ENERGY, SCI Journal, January 2017  
BİLİMSEL MADENCİLİK DERGİSİ, National Scientific Refreed Journal, January 2017  
ENERGY, SCI Journal, January 2017  
APPLIED ENERGY, SCI Journal, December 2016  
PETROLEUM SCIENCE AND TECHNOLOGY, SCI Journal, December 2016  
APPLIED ENERGY, SCI Journal, November 2016  
ENERGY, SCI Journal, September 2016  
ENERGY, SCI Journal, September 2016  
APPLIED ENERGY, SCI Journal, September 2016  
APPLIED ENERGY, SCI Journal, August 2016  
ENERGY, SCI Journal, July 2016  
ENERGY, SCI Journal, July 2016  
INTERNATIONAL JOURNAL OF MINING RECLAMATION AND ENVIRONMENT, Journal Indexed in SCI-E, July 2016  
JOURNAL OF CLEANER PRODUCTION, Journal Indexed in SCI-E, July 2016  
ENERGY, SCI Journal, June 2016  
PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART B-JOURNAL OF ENGINEERING MANUFACTURE,  
Journal Indexed in SCI-E, May 2016  
JOURNAL OF TESTING AND EVALUATION, Journal Indexed in SCI-E, May 2016  
JOURNAL OF CLEANER PRODUCTION, Journal Indexed in SCI-E, May 2016  
ROCK MECHANICS AND ROCK ENGINEERING, SCI Journal, April 2016  
RENEWABLE & SUSTAINABLE ENERGY REVIEWS, SCI Journal, March 2016  
APPLIED ENERGY, SCI Journal, March 2016  
PETROLEUM SCIENCE AND TECHNOLOGY, SCI Journal, March 2016  
ENERGY, SCI Journal, February 2016  
ENERGY, SCI Journal, February 2016  
ENERGY, SCI Journal, February 2016  
PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART B-JOURNAL OF ENGINEERING MANUFACTURE,  
Journal Indexed in SCI-E, February 2016  
ROCK MECHANICS AND ROCK ENGINEERING, SCI Journal, February 2016  
JOURNAL OF MATERIALS PROCESSING TECHNOLOGY, SCI Journal, January 2016  
ENERGY, SCI Journal, January 2016  
ENERGY, SCI Journal, January 2016  
ENERGY, SCI Journal, December 2015  
ROCK MECHANICS AND ROCK ENGINEERING, SCI Journal, December 2015  
ENERGY, SCI Journal, December 2015  
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ENERGY, SCI Journal, December 2015  
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ENERGY, SCI Journal, September 2015  
ENERGY, SCI Journal, September 2015  
ENERGY, SCI Journal, September 2015  
ENERGY, SCI Journal, August 2015  
MACHINING SCIENCE AND TECHNOLOGY, SCI Journal, August 2015

RENEWABLE & SUSTAINABLE ENERGY REVIEWS, SCI Journal, August 2015  
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ENERGY EFFICIENCY, SCI Journal, August 2015  
ENERGY, SCI Journal, August 2015  
ENERGY, SCI Journal, July 2015  
MEASUREMENT, SCI Journal, June 2015  
ENERGY, SCI Journal, June 2015  
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ENERGY EFFICIENCY, SCI Journal, May 2015  
ENERGY EFFICIENCY, SCI Journal, May 2015  
ENERGY, SCI Journal, March 2015  
RENEWABLE & SUSTAINABLE ENERGY REVIEWS, SCI Journal, January 2015  
RENEWABLE & SUSTAINABLE ENERGY REVIEWS, SCI Journal, September 2014  
RENEWABLE & SUSTAINABLE ENERGY REVIEWS, SCI Journal, August 2014  
RENEWABLE & SUSTAINABLE ENERGY REVIEWS, SCI Journal, July 2014  
RENEWABLE & SUSTAINABLE ENERGY REVIEWS, SCI Journal, July 2014  
ENERGY SOURCES PART A-RECOVERY UTILIZATION AND ENVIRONMENTAL EFFECTS, SCI Journal, July 2014  
RENEWABLE & SUSTAINABLE ENERGY REVIEWS, SCI Journal, June 2014  
RENEWABLE & SUSTAINABLE ENERGY REVIEWS, SCI Journal, June 2014  
RENEWABLE & SUSTAINABLE ENERGY REVIEWS, SCI Journal, April 2014  
RENEWABLE & SUSTAINABLE ENERGY REVIEWS, SCI Journal, March 2014  
ROCK MECHANICS AND ROCK ENGINEERING, SCI Journal, March 2014  
PETROLEUM SCIENCE AND TECHNOLOGY, SCI Journal, February 2014  
ENERGY, SCI Journal, November 2013  
RENEWABLE & SUSTAINABLE ENERGY REVIEWS, SCI Journal, October 2013  
ENERGY SOURCES PART B-ECONOMICS PLANNING AND POLICY, SCI Journal, October 2013  
RENEWABLE & SUSTAINABLE ENERGY REVIEWS, SCI Journal, October 2013  
ENERGY SOURCES PART A-RECOVERY UTILIZATION AND ENVIRONMENTAL EFFECTS, SCI Journal, September 2013  
RENEWABLE & SUSTAINABLE ENERGY REVIEWS, SCI Journal, August 2013  
ENERGY SOURCES PART B-ECONOMICS PLANNING AND POLICY, SCI Journal, July 2013  
MEASUREMENT, SCI Journal, June 2013  
RENEWABLE & SUSTAINABLE ENERGY REVIEWS, SCI Journal, May 2013  
MEASUREMENT, SCI Journal, May 2013  
RENEWABLE & SUSTAINABLE ENERGY REVIEWS, SCI Journal, May 2013  
MEASUREMENT, SCI Journal, May 2013  
MATERIALS AND MANUFACTURING PROCESSES, SCI Journal, April 2013  
RENEWABLE & SUSTAINABLE ENERGY REVIEWS, SCI Journal, April 2013  
ENERGY, SCI Journal, March 2013  
ENERGY SOURCES PART A-RECOVERY UTILIZATION AND ENVIRONMENTAL EFFECTS, SCI Journal, March 2013  
RENEWABLE & SUSTAINABLE ENERGY REVIEWS, SCI Journal, February 2013  
RENEWABLE & SUSTAINABLE ENERGY REVIEWS, SCI Journal, January 2013  
RENEWABLE & SUSTAINABLE ENERGY REVIEWS, SCI Journal, December 2012  
RENEWABLE & SUSTAINABLE ENERGY REVIEWS, SCI Journal, December 2012  
RENEWABLE & SUSTAINABLE ENERGY REVIEWS, SCI Journal, December 2012  
RENEWABLE & SUSTAINABLE ENERGY REVIEWS, SCI Journal, December 2012  
ENERGY, SCI Journal, December 2012  
ENERGY, Journal Indexed in SSCI, November 2012  
MACHINING SCIENCE AND TECHNOLOGY, SCI Journal, November 2012  
ENERGY, SCI Journal, November 2012

ENERGY SOURCES PART A-RECOVERY UTILIZATION AND ENVIRONMENTAL EFFECTS, SCI Journal, November 2012  
RENEWABLE & SUSTAINABLE ENERGY REVIEWS, SCI Journal, November 2012  
ENERGY, SCI Journal, October 2012  
ROCK MECHANICS AND ROCK ENGINEERING, SCI Journal, September 2012  
ENERGY SOURCES PART A-RECOVERY UTILIZATION AND ENVIRONMENTAL EFFECTS, SCI Journal, August 2012  
ENERGY SOURCES PART B-ECONOMICS PLANNING AND POLICY, SCI Journal, May 2012  
ENERGY, SCI Journal, April 2012  
RENEWABLE & SUSTAINABLE ENERGY REVIEWS, SCI Journal, March 2012  
RENEWABLE & SUSTAINABLE ENERGY REVIEWS, SCI Journal, March 2012  
ENERGY, SCI Journal, February 2012  
RENEWABLE & SUSTAINABLE ENERGY REVIEWS, SCI Journal, February 2012  
RSC ADVANCES, Journal Indexed in SCI-E, February 2012  
ENERGY SOURCES PART A-RECOVERY UTILIZATION AND ENVIRONMENTAL EFFECTS, SCI Journal, December 2011  
ENERGY, SCI Journal, November 2011  
ENERGY SOURCES PART A-RECOVERY UTILIZATION AND ENVIRONMENTAL EFFECTS, SCI Journal, October 2011  
ENERGY, SCI Journal, August 2011  
ENERGY, SCI Journal, June 2011  
ENERGY SOURCES PART A-RECOVERY UTILIZATION AND ENVIRONMENTAL EFFECTS, SCI Journal, June 2011  
ENERGY, SCI Journal, June 2011  
ENERGY, SCI Journal, March 2011  
ENERGY, SCI Journal, December 2010  
ENERGY, SCI Journal, July 2010  
ENERGY SOURCES PART A-RECOVERY UTILIZATION AND ENVIRONMENTAL EFFECTS, SCI Journal, June 2010  
ENERGY, SCI Journal, August 2009  
ENERGY, SCI Journal, May 2009

## Tasks In Event Organizations

Aydın G., 2025 International Conference on Geology Engineering and Marine Sciences (GEMS 2025), Scientific Congress, Wuhan, China, Mart 2025  
Aydın G., 2024 International Conference on Hydraulic, Mapping and Safety Engineering (HMSE 2024), Scientific Congress, Wuhan, China, Aralık 2024  
Aydın G., 10th International Conference On Mechanical Engineering, Materials Science And Civil Engineering, Scientific Congress, China, Ekim 2023  
Aydın G., International Online Engineering and Natural Sciences Conference, Scientific Congress, Turkey, Temmuz 2021  
Aydın G., 3rd Conference of the Arabian Journal of Geosciences, Scientific Congress, Tunisia, Kasım 2020  
Aydın G., 2nd Conference of the Arabian Journal of Geosciences, Scientific Congress, Tunisia, Kasım 2019  
Aydın G., 12. Bölgesel Kaya Mekaniği Sempozyumu, Scientific Congress, Trabzon, Turkey, Ekim 2018  
Aydın G., 25th International Mining Congress and Exhibition of Turkey, Scientific Congress, Antalya, Turkey, Nisan 2017

## Metrics

Publication: 153  
Citation (WoS): 2188  
Citation (Scopus): 2436  
H-Index (WoS): 30  
H-Index (Scopus): 30

## Congress and Symposium Activities

- Türkiye 26. Uluslararası Madencilik Kongresi ve Sergisi, Attendee, Antalya, Turkey, 2019
- Türkiye 21. Uluslararası Kömür Kongresi, Attendee, Zonguldak, Turkey, 2018
9. Uluslararası Mermer ve Doğaltaş Kongresi ve Sergisi, Attendee, Antalya, Turkey, 2017
6. Uluslararası Maden Makinaları ve Teknolojileri Kongresi, Attendee, İzmir, Turkey, 2017
- 25th International Mining Congress and Exhibition of Turkey, Attendee, Antalya, Turkey, 2017
- Maden İşletmelerinde İş Güvenliği ve İşçi Sağlığı Sempozyumu, Attendee, Adana, Turkey, 2015
- 15th International Multidisciplinary Scientific Geo-Conference&Expo, Attendee, Albena, Bulgaria, 2015
- 24th International Mining Congress and Exhibition of Turkey, Antalya, Attendee, Antalya, Turkey, 2015
- 14th International Multidisciplinary Scientific Geo-Conference&Expo, Attendee, Albena, Bulgaria, 2014
- 13rd International Multidisciplinary Scientific Geo-Conference&Expo, Attendee, Albena, Bulgaria, 2013
4. Maden Makineleri Sempozyumu, Attendee, İzmir, Turkey, 2013
4. Maden Makineleri Sempozyumu, Attendee, İzmir, Turkey, 2013
- 23rd International Mining Congress and Exhibition of Turkey, Attendee, Antalya, Turkey, 2013
- 8th International Industrial Minerals Symposium, Attendee, İstanbul, Turkey, 2012
- 8th International Marble and Natural Stone Congress, Attendee, Afyonkarahisar, Turkey, 2012
1. Yerbilimleri Sempozyumu, Attendee, Isparta, Turkey, 2012
- 21st International Conference on Water Jetting, Attendee, Ottawa, Canada, 2012
- 12th International Multidisciplinary Scientific Geo-Conference&EXPO, Attendee, Albena, Bulgaria, 2012
- American Waterjet Conference and Expo, Attendee, Texas, United States Of America, 2011
- 22nd World Mining Congress & Expo, Attendee, İstanbul, Turkey, 2011
- 22nd International Mining Congress and Exhibition of Turkey, 11-13 Mayıs, Ankara,, Attendee, Ankara, Turkey, 2011
2. Atık Teknolojileri Sempozyumu ve Sergisi, Attendee, İstanbul, Turkey, 2010
- 1st International Symposium on Environment and Forestry, Attendee, Trabzon, Turkey, 2010
- 20th International Conference on Water Jetting, Attendee, Graz, Austria, 2010
- 10th International Multidisciplinary Scientific Geo-Conference&EXPO, Attendee, Albena, Bulgaria, 2010
7. International Marble and Natural Stone Congress, Attendee, Afyonkarahisar, Turkey, 2010
17. Kömür Kongresi, Attendee, Zonguldak, Turkey, 2010
7. Enerji Sempozyumu, Attendee, Ankara, Turkey, 2009
- Maden İşletmelerinde İş Sağlığı ve Güvenliği Sempozyumu, Attendee, Adana, Turkey, 2009
3. Balkan Madencilik Kongresi, Attendee, İzmir, Turkey, 2009
3. Madencilik ve Çevre Sempozyumu, Attendee, Ankara, Turkey, 2009
- Türkiye 21. Uluslararası Madencilik Kongresi ve Sergisi, Attendee, Antalya, Turkey, 2009

## Research Areas

Mining Engineering and Technology, Mining Operations, Engineering and Technology