

## Res. Asst. SERKAN KAYA

### Personal Information

**Office Phone:** [+90 462 377 4009](tel:+904623774009)

**Email:** serkan.kaya@ktu.edu.tr

**Web:** <https://avesis.ktu.edu.tr//serkan.kaya>

**Address:** Karadeniz Teknik Üniversitesi Mühendislik Fakültesi Maden Mühendisliği Bölümü 61080 TRABZON

### Education Information

Doctorate, Karadeniz Technical University, Fen Bilimleri Enstitüsü, Maden Mühendisliği, Turkey 2017 - Continues

Under Graduate, Anadolu University, Open Education Faculty, Department Of Philosophy, Turkey 2017 - 2021

Post Graduate, Karadeniz Technical University, Fen Bilimleri Enstitüsü, Maden Mühendisliği, Turkey 2014 - 2016

Under Graduate, Eskişehir Osmangazi University, Mühendislik-Mimarlık Fakültesi, Maden Mühendisliği, Turkey 2002 - 2011

### Foreign Languages

English, B2 Upper Intermediate

### Dissertations

Post Graduate, SU JETİYLE KAYAÇ KESMEDE ÇEŞİTLİ AŞINDIRICILARIN KULLANIMI (USE OF VARIOUS ABRASIVES IN ROCK CUTTING BY WATERJET), Karadeniz Technical University, Fen Bilimleri Enstitüsü, Maden Mühendisliği, 2016

### Research Areas

Mining Engineering and Technology, Mining Operations, Marble Management and Processing, Engineering and Technology

### Academic Titles / Tasks

Research Assistant, Karadeniz Technical University, Mühendislik Fakültesi, Maden Mühendisliği, 2013 - Continues

### Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- I. **Effect of abrasive type on marble cutting performance of abrasive waterjet**  
AYDIN G., KAYA S., KARAKURT İ.  
ARABIAN JOURNAL OF GEOSCIENCES, vol.12, no.11, 2019 (Journal Indexed in SCI)
- II. **Utilization of solid-cutting waste of granite as an alternative abrasive in abrasive waterjet cutting of marble**  
AYDIN G., KAYA S., KARAKURT İ.  
JOURNAL OF CLEANER PRODUCTION, vol.159, pp.241-247, 2017 (Journal Indexed in SCI)

## Articles Published in Other Journals

- I. **Aşındırıcı Sujetiyle Doğaltaş Kesmede Granit Atıklarının Aşındırıcı Olarak Değerlendirilmesi**  
AYDIN G., KAYA S., KARAKURT İ., YILDIRIM F.  
Bilimsel Madencilik Dergisi, vol.58, no.3, pp.211-218, 2019 (Other Refereed National Journals)
- II. **Geçmişten Günümüze Büyük Maden Kazaları**  
YAŞAR S., İNAL S., YAŞAR Ö., KAYA S.  
Madencilik, vol.54, no.2, pp.33-43, 2015 (Other Refereed National Journals)

## Refereed Congress / Symposium Publications in Proceedings

- I. **Environmental impacts of fossil energy sources FOSİL ENERJİ KAYNAKLARININ ÇEVRESEL ETKİLERİ**  
KAYA S., AYDIN G., KARAKURT İ.  
26th International Mining Congress and Exhibition of Turkey, IMCET 2019, Antalya, Turkey, 16 - 19 April 2019, pp.1523-1529
- II. **Current technological developments in cutting applications by abrasive waterjet ASINDIRICI SUJETİ İLE KESME UYGULAMALARINDA GÜNCEL TEKNOLOJİK GELİSMELER**  
KARAKURT İ., AYDIN G., YILDIRIM F., KAYA S.  
26th International Mining Congress and Exhibition of Turkey, IMCET 2019, Antalya, Turkey, 16 - 19 April 2019, pp.1334-1339
- III. **Investigation of the effect of abrasive type on cut depth in marble cutting with abrasive water jet ASINDIRICILI SUJETİ İLE MERMER KESMEDE ASINDIRICI TİPİNİN KESME DERİNLİĞİNE ETKİSİNİN ARASTIRILMASI**  
KAYA S., AYDIN G., KARAKURT İ.  
26th International Mining Congress and Exhibition of Turkey, IMCET 2019, Antalya, Turkey, 16 - 19 April 2019, pp.1346-1353
- IV. **Methods for improvement of abrasive waterjet cutting performance ASINDIRICI SUJETİ KESME PERFORMANSININ İYİLESTİRİLMESİNE YÖNELİK GELİSTİRİLEN YÖNTEMLER**  
KARAKURT İ., AYDIN G., YILDIRIM F., KAYA S.  
26th International Mining Congress and Exhibition of Turkey, IMCET 2019, Antalya, Turkey, 16 - 19 April 2019, pp.1340-1345
- V. **Kömür Kökenli Metan Üretimini Etkileyen Rezerv Özellikleri**  
KARAKURT İ., AYDIN G., KAYA S., YILDIRIM F.  
Türkiye 21. Uluslararası Kömür Kongresi (ICCET 2018), Zonguldak, Turkey, 11 - 13 April 2018, vol.1, pp.117-123
- VI. **Kömür Madenlerinde Gaz ve Kömür Püskürmelerini Etkileyen Faktörler**  
KARAKURT İ., AYDIN G., KAYA S., YILDIRIM F.  
Türkiye 21. Uluslararası Kömür Kongresi (ICCET 2018), Zonguldak, Turkey, 11 - 13 April 2018, vol.1, pp.39-46
- VII. **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
- VIII. **Su Jetiyle Kayaç Kesiminde Aşındırıcı Performansının Etkileri Garnet ve Silisyum Karbür Karşılaştırması**  
KAYA S., AYDIN G., KARAKURT İ.  
VI. Uluslararası Maden Makinaları ve Teknolojileri Kongresi, İzmir, Turkey, 18 - 21 October 2017, vol.1, no.1, pp.44
- IX. **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 and Exhibition of Turkey (IMCET 2017), Antalya, Turkey, 11 - 14 April 2017, pp.392-396

- X. **Yeraltı Kömür Madenlerinde Metan Kaynaklı Tehlikeler**  
AYDIN 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
- XI. **Kömür Kökenli Metan Üretiminden Kaynaklanan Çevresel Problemler**  
KARAKURT İ., AYDIN 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
- XII. **Türkiye’de Meydana Gelen Maden Kazalarının İstatistiksel Olarak İncelenmesi**  
YAŞAR S., İNAL S., YAŞAR Ö., KAYA S.  
Maden İşletmelerinde İşçi Sağlığı ve İş Güvenliği Sempozyumu 2015,, Adana, Turkey, 21 - 22 December 2015, vol.1, no.1, pp.25-37
- XIII. **Artificial neural network modeling of cut depth in rock cutting by abrasive waterjet**  
KARAKURT İ., AYDIN G., KAYA S., HAMZAÇEBİ C.  
15th. International Multidisciplinary Scientific Geo-Conference&Expo, Varna, Bulgaria, 16 - 25 June 2015, pp.89-96
- XIV. **Modeling of coal consumption in Turkey: An application of trend analysis**  
AYDIN G., KAYA S., KARAKURT İ.  
24th. International Mining Congress and Exhibition of Turkey, Antalya, Turkey, 14 - 17 April 2015, pp.83-87
- XV. **Modeling of energy consumption based on population: The case of Turkey**  
AYDIN G., KAYA S., KARAKURT İ.  
24th. International Mining Congress and Exhibition of Turkey, Antalya, Turkey, 14 - 17 April 2015, pp.88-92
- XVI. **Forecasting Of Turkey’S Coal Consumption Using Grey Prediction Technique**  
KARAKURT İ., AYDIN G., KAYA S., HAMZAÇEBİ C.  
24th. International Mining Congress and Exhibition of Turkey, Antalya, Turkey, 14 - 17 April 2015, pp.77-82
- XVII. **Modeling of Turkey’s CO2 emissions using economic and demographic variables**  
KARAKURT İ., AYDIN G., KAYA S.  
24th. International Mining Congress and Exhibition of Turkey, Antalya, Turkey, 14 - 17 April 2015, pp.1474-1479
- XVIII. **ENERGY CONSUMPTION MODELING BASED ON GDP: THE CASE OF TURKEY**  
AYDIN G., KAYA S., KARAKURT İ.  
15th International Multidisciplinary Scientific Geoconference (SGEM), Albena, Bulgaria, 18 - 24 June 2015, pp.933-938

## **Edit Congress and Symposium Activities**

IMCET 2019, Attendee, Antalya, Turkey, 2019

MERSEM 2017, Attendee, Antalya, Turkey, 2017

VI. Uluslararası Maden Makinaları ve Teknolojileri Kongresi (IMMAT), Attendee, İzmir, Turkey, 2017

IMCET 2017, Attendee, Antalya, Turkey, 2017

Maden İşletmelerinde İşçi Sağlığı ve İş Güvenliği Sempozyumu, Attendee, Adana, Turkey, 2015

SGEM 2015, Attendee, Albena- Varna, Bulgaria, 2015

IMCET 2015, Attendee, Antalya, Turkey, 2015

## **Citations**

Total Citations (WOS):24

h-index (WOS):2