

Prof. SAİR KAHRAMAN

Personal Information

Office Phone: [+90 312 297 7600](tel:+903122977600) Extension: 141

Fax Phone: [+90 312 299 2155](tel:+903122992155)

Email: s.kahraman@hacettepe.edu.tr

Address: Hacettepe Üniv. Maden Müh. Bölümü Beytepe/ANKARA

Education Information

Doctorate, İstanbul Teknik Üniversitesi, Fen Bilimleri Enst., Maden Müh., Turkey 1991 - 1997

Post Graduate, İstanbul Teknik Üniversitesi, Fen Bilimleri Enst., Maden Kazı Ve Mekanizasyonu, Turkey 1988 - 1991

Under Graduate, İstanbul Teknik Üniversitesi, Maden Fakültesi, Maden Müh., Turkey 1984 - 1988

Research Areas

Mining Engineering and Technology, Mining Operations, Rock Mechanics, Excavation Techniques, Mining Methods and Mining System Analysis, Engineering and Technology

Academic Titles / Tasks

Professor, Niğde Üniversitesi, Mühendislik Fakültesi, Maden Mühendisliği Bölümü, 2011 - Continues

Professor, Niğde Üniversitesi, Mühendislik Fakültesi, Maden Mühendisliği Bölümü, 2007 - 2011

Associate Professor, Niğde Üniversitesi, Mühendislik Fakültesi, Maden Mühendisliği Bölümü, 2005 - 2007

Associate Professor, Niğde Üniversitesi, Mühendislik Fakültesi, Jeoloji Mühendisliği Bölümü, 2002 - 2005

Assistant Professor, Niğde Üniversitesi, Mühendislik Fakültesi, Jeoloji Mühendisliği Bölümü, 1998 - 2002

Lecturer, Çukurova Üniversitesi, Mühendislik-Mimarlık Fakültesi, Maden Mühendisliği Bölümü, 1992 - 1998

Professional Experience

Dean, Niğde Üniversitesi, Mühendislik Fakültesi, 2009 - 2012

Head of Department, Niğde Üniversitesi, Mühendislik Fakültesi, Maden Mühendisliği Bölümü, 2006 - 2009

Advising Theses

KAHRAMAN S., Kollu galeri açma makinelerinin performansının iğne penetrasyon indeksinden tahmin edilebilirliğinin araştırılması, Post Graduate, A.SERCAN(Student), 2016

KAHRAMAN S., Çayırhan Yeraltı Linyit İşletmesinde kollu galeri açma makineleri için performans modeli geliştirilmesi, Post Graduate, E.KAHRAMAN(Student), 2012

KAHRAMAN S., Kalsit ocaklarında patlatılan kayacın parça boyutunun regresyon analizi ve yapay sinir ağları yöntemiyle tahmin edilebilirliği, Post Graduate, B.AYKAN(Student), 2011

KAHRAMAN S., Niğde ve Kayseri yöresindeki cevherlerin makine ile kazılabilirliği, Post Graduate, R.ÇOMAKLI(Student), 2010

KAHRAMAN S., Kayaçların elektrik özdirenci ile fiziko-mekanik özellikleri arasındaki istatistiksel ilişkiler, Post Graduate,

E.ÖĞRETİCİ(Student), 2006

KAHRAMAN S., Mermer plaka üretiminin ultrasonik yöntemlerle modellenmesi, Post Graduate, U.ÜLKER(Student), 2004

KAHRAMAN S., The correlations between indentation hardness and physical and mechanical properties of the rocks, Post Graduate, E.KOZMAN(Student), 2004

KAHRAMAN S., Kohezyonlu zeminlerin fiziksel ve mekanik özelliklerinin ultrasonik yöntemle tahmin edilebilirliği, Post Graduate, Y.BAY(Student), 2003

KAHRAMAN S., Mermerlerin testerelerle kesilebilirliği, Post Graduate, M.OYKUN(Student), 2002

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

- I. **The assessment of the factors affecting the microwave heating of magmatic rocks**
KAHRAMAN S., Canpolat A. N. , FENER M., Kilic C. O.
GEOMECHANICS AND GEOPHYSICS FOR GEO-ENERGY AND GEO-RESOURCES, vol.6, no.4, 2020 (Journal Indexed in SCI)
- II. **The influence of microwave treatment on the compressive and tensile strength of igneous rocks**
KAHRAMAN S., Canpolat A. N. , FENER M.
INTERNATIONAL JOURNAL OF ROCK MECHANICS AND MINING SCIENCES, vol.129, 2020 (Journal Indexed in SCI)
- III. **Estimation of uniaxial compressive strength of pyroclastic rocks (Cappadocia, Turkey) by gene expression programming**
Ince I., Bozdag A., FENER M., KAHRAMAN S.
ARABIAN JOURNAL OF GEOSCIENCES, vol.12, no.24, 2019 (Journal Indexed in SCI)
- IV. **The needle penetration index to estimate the performance of an axial type roadheader used in a coal mine**
KAHRAMAN S., Aoglu A. S. , Aydin B., Saygin E.
GEOMECHANICS AND GEOPHYSICS FOR GEO-ENERGY AND GEO-RESOURCES, vol.5, no.1, pp.37-45, 2019 (Journal Indexed in SCI)
- V. **Predicting the strength and brittleness of rocks from a crushability index**
KAHRAMAN S., Toraman O. Y. , Cayirli S.
BULLETIN OF ENGINEERING GEOLOGY AND THE ENVIRONMENT, vol.77, no.4, pp.1639-1645, 2018 (Journal Indexed in SCI)
- VI. **Investigating the effect of strength on the LCPC abrasivity of igneous rocks**
KAHRAMAN S., FENER M., Kaesling H., Thuro K.
GEOMECHANICS AND ENGINEERING, vol.15, no.2, pp.805-810, 2018 (Journal Indexed in SCI)
- VII. **Estimating the uniaxial compressive strength of pyroclastic rocks from the slake durability index**
KAHRAMAN S., FENER M., GÜNAYDIN O.
BULLETIN OF ENGINEERING GEOLOGY AND THE ENVIRONMENT, vol.76, no.3, pp.1107-1115, 2017 (Journal Indexed in SCI)
- VIII. **Estimating the Wet-Rock P-Wave Velocity from the Dry-Rock P-Wave Velocity for Pyroclastic Rocks**
KAHRAMAN S., FENER M., KILIÇ C. Ö.
PURE AND APPLIED GEOPHYSICS, vol.174, no.7, pp.2621-2629, 2017 (Journal Indexed in SCI)
- IX. **The needle penetration test for predicting coal strength**
KAHRAMAN S., Aoglu A. S. , Aydin B., Saygin E.
JOURNAL OF THE SOUTHERN AFRICAN INSTITUTE OF MINING AND METALLURGY, vol.117, no.6, pp.587-591, 2017 (Journal Indexed in SCI)
- X. **Predicting the noise level in rock sawing from the physico-mechanical and mineralogical properties of rocks**
KAHRAMAN S., Delibalta M. S. , Comakli R., FENER M.
APPLIED ACOUSTICS, vol.114, pp.244-251, 2016 (Journal Indexed in SCI)
- XI. **The performance prediction of roadheaders from easy testing methods**
KAHRAMAN S., KAHRAMAN S.

BULLETIN OF ENGINEERING GEOLOGY AND THE ENVIRONMENT, vol.75, no.4, pp.1585-1596, 2016 (Journal Indexed in SCI)

- XII. **The influences of textural parameters of grains on the LCPC abrasivity of coarse-grained igneous rocks**
KAHRAMAN S., Fener M., Kaesling H., Thuro K.
TUNNELLING AND UNDERGROUND SPACE TECHNOLOGY, vol.58, pp.216-223, 2016 (Journal Indexed in SCI)
- XIII. **The prediction of penetration rate for percussive drills from indirect tests using artificial neural networks**
KAHRAMAN S.
JOURNAL OF THE SOUTHERN AFRICAN INSTITUTE OF MINING AND METALLURGY, vol.116, no.8, pp.790-797, 2016 (Journal Indexed in SCI)
- XIV. **Estimating specific energy from the brittleness indexes in cutting metallic ores**
Comakli R., KAHRAMAN S., Balcı C., Tumaç D.
JOURNAL OF THE SOUTHERN AFRICAN INSTITUTE OF MINING AND METALLURGY, vol.116, no.8, pp.761-766, 2016 (Journal Indexed in SCI)
- XV. **A preliminary study on the conversion factor used in the prediction of the UCS from the BPI for pyroclastic rocks**
KAHRAMAN S., FENER M., KILIÇ C. Ö.
BULLETIN OF ENGINEERING GEOLOGY AND THE ENVIRONMENT, vol.75, no.2, pp.771-780, 2016 (Journal Indexed in SCI)
- XVI. **Estimating the Penetration Rate in Diamond Drilling in Laboratory Works Using the Regression and Artificial Neural Network Analysis**
KAHRAMAN S.
NEURAL PROCESSING LETTERS, vol.43, no.2, pp.523-535, 2016 (Journal Indexed in SCI)
- XVII. **Review of Ground Characterization by Using Instrumented Drills for Underground Mining and Construction**
KAHRAMAN S., ROSTAMI J., NAEIMIPOUR A.
ROCK MECHANICS AND ROCK ENGINEERING, vol.49, no.2, pp.585-602, 2016 (Journal Indexed in SCI)
- XVIII. **An assessment on the indirect determination of the volumetric block proportion of Misis fault breccia (Adana, Turkey)**
KAHRAMAN S., Alber M., Fener M., Gunaydin O.
BULLETIN OF ENGINEERING GEOLOGY AND THE ENVIRONMENT, vol.74, no.3, pp.899-907, 2015 (Journal Indexed in SCI)
- XIX. **The Usability of Noise Level from Rock Cutting for the Prediction of Physico-Mechanical Properties of Rocks**
Delibalta M. S. , KAHRAMAN S., Comakli R.
FLUCTUATION AND NOISE LETTERS, vol.14, no.1, 2015 (Journal Indexed in SCI)
- XX. **The usability of the Cerchar abrasivity index for the evaluation of the triaxial strength of Misis Fault Breccia**
KAHRAMAN S., ALBER M., Gunaydin O., Fener M.
BULLETIN OF ENGINEERING GEOLOGY AND THE ENVIRONMENT, vol.74, no.1, pp.163-170, 2015 (Journal Indexed in SCI)
- XXI. **Electrical impedance spectroscopy measurements to estimate the uniaxial compressive strength of a fault breccia**
KAHRAMAN S., ALBER M.
BULLETIN OF MATERIALS SCIENCE, vol.37, no.6, pp.1543-1550, 2014 (Journal Indexed in SCI)
- XXII. **Estimation of rock strength from quantitative assessment of rock texture**
Öztürk C. A. , Nasuf E., KAHRAMAN S.
JOURNAL OF THE SOUTHERN AFRICAN INSTITUTE OF MINING AND METALLURGY, vol.114, no.6, pp.471-480, 2014 (Journal Indexed in SCI)
- XXIII. **The determination of uniaxial compressive strength from point load strength for pyroclastic rocks**

- Kahraman S.
ENGINEERING GEOLOGY, vol.170, pp.33-42, 2014 (Journal Indexed in SCI)
- XXIV. **Performance prediction of roadheaders in metallic ore excavation**
COMAKLI R., KAHRAMAN S., Balcı C.
TUNNELLING AND UNDERGROUND SPACE TECHNOLOGY, vol.40, pp.38-45, 2014 (Journal Indexed in SCI)
- XXV. **NOISE LEVEL MEASUREMENT TEST TO PREDICT THE ABRASION RESISTANCE OF ROCK AGGREGATES**
KAHRAMAN S., Delibalta M. S. , Comakli R.
FLUCTUATION AND NOISE LETTERS, vol.12, no.4, 2013 (Journal Indexed in SCI)
- XXVI. **Prophylactic administration of histamine 1 and/or histamine 2 receptor blockers in the prevention of heparin- and protamine-related haemodynamic effects**
Kanbak M., KAHRAMAN S., CELEBİOĞLU B., AKPOLAT N., ERCAN S., ERDEM K.
ANAESTHESIA AND INTENSIVE CARE, vol.24, no.5, pp.559-563, 1996 (Journal Indexed in SCI)
- XXVII. **Comparison of the effect of propofol and thiopentone on the haemodynamic parameters and blood gases in coronary bypass surgery**
KANBAK M., ÇELEBİOĞLU B., KAHRAMAN S., EROL U., AYPAR U.
Journal of Cardiothoracic and Vascular Anesthesia, vol.6, pp.53, 1992 (Journal Indexed in SCI Expanded)

Articles Published in Other Journals

- I. **The effect of clay content on the relation between uniaxial compressive strength and needle penetration index for clay-bearing rocks**
KAHRAMAN S., Aoglu A. S. , Saygin E., Aydin B.
INTERNATIONAL JOURNAL OF GEO-ENGINEERING, vol.12, no.1, 2021 (Journal Indexed in ESCI)
- II. **Evaluating the grinding process of granitic rocks using the physico-mechanical and mineralogical properties**
KAHRAMAN S., UÇURUM M., Yogurtcuoglu E., FENER M.
JOURNAL OF METALS MATERIALS AND MINERALS, vol.29, no.2, pp.51-57, 2019 (Journal Indexed in ESCI)
- III. **Estimation of Durability Aspects of Al Masjid Al-Haram Marble, Makkah City, Saudi Arabia**
Abd El Aal A., KAHRAMAN S.
GEOTECHNICAL AND GEOLOGICAL ENGINEERING, vol.35, no.6, pp.2763-2779, 2017 (Journal Indexed in ESCI)
- IV. **Indirect Methods to Predict the Abrasion Resistance and Slake Durability of Marbles**
Abd El Aal A., KAHRAMAN S.
JOURNAL OF MOLECULAR AND ENGINEERING MATERIALS, vol.5, no.2, 2017 (Journal Indexed in ESCI)
- V. **Rock characterization while drilling and application of roof bolter drilling data for evaluation of ground conditions**
Rostami J., KAHRAMAN S., Naeimipour A., Collins C.
JOURNAL OF ROCK MECHANICS AND GEOTECHNICAL ENGINEERING, vol.7, no.3, pp.273-281, 2015 (Journal Indexed in ESCI)

Refereed Congress / Symposium Publications in Proceedings

- I. **The Relation between Uniaxial Compressive Strength and Block Punch Index for Pyroclastic Rocks**
KAHRAMAN S., Saribiyik M.
24th INTERNATIONAL MINING CONGRESS OF TURKEY, Antalya, Turkey, 14 - 17 April 2015, pp.630-636

Expert Reports

- I. **08 09 2015 tarih ve 2015 757 Talimat nolu Ankara 12 İş Mahkemesi hakimliğinin talimatıyla**

istenilen Soma İş mahkemesine ait 2015 249 sayılı dosyaya yönelik bilirkişi raporu

ÖZÇELİK Y., KAHRAMAN S., TERCAN A. E.

2015

Supported Projects

KAHRAMAN S., Project Supported by Higher Education Institutions, Kollu Galeri Açma Makinesinin Performansının Nokta Yük İndeksinden Tahmin Edilmesi, 2017 - 2017

KAHRAMAN S., Project Supported by Higher Education Institutions, Dokuzuncu Asya Kaya Mekaniği Sempozyumuna Katılım, 2016 - 2016

KAHRAMAN S., Project Supported by Higher Education Institutions, Avrupa Kaya Mekaniği Sempozyumuna (EUROCK 2016) Katılım, 2016 - 2016

KAHRAMAN S., YUMŞAK S. M. , KOYUNCU Y. A. , Project Supported by Higher Education Institutions, Piroklastik Kayaçların FizikoMekanik Özelliklerinin İğne Penetrasyon İndeksinden Tahmin Edilebilirliği, 2016 - 2016

KAHRAMAN S., Aykan B., Project Supported by Higher Education Institutions, Kalsit ocaklarında patlatılan kayanın ortalama blok boyutunun regresyon ve yapay sinir ağları analizi ile tahmin edilmesi, 2015 - 2016

KAHRAMAN S., DELİBALTA M. S. , ALBER M., ÖZTÜRK A., BALCI C., ÇOMAKLI R., NASUF E., Project Supported by Higher Education Institutions, Avrupa Kaya Mekaniği Sempozyumuna (EUROCK 2015) Katılım, 2015 - 2015

KAHRAMAN S., SARIBIYIK M., Project Supported by Higher Education Institutions, Piroklastik Kayaçlar için Tek Eksenli Basınç Dayanımı ve Disk Makaslama İndeksi Arasındaki İlişki, 2015 - 2015

KAHRAMAN S., DELİBALTA M. S. , ÇOMAKLI R., Project Supported by Higher Education Institutions, "77. EAGE Konferans ve Sergisi 2015" Adlı Konferansa Katılım, 2015 - 2015

Citations

Total Citations (WOS):215

h-index (WOS):9