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Education Information

Doctorate, Hacettepe Üniversitesi, Fen Bilimleri Enstitüsü, Jeoloji Müh. Böl., Turkey 1997 - 2002

Postgraduate, Hacettepe Üniversitesi, Fen Bilimleri Enstitüsü, Jeoloji Müh. Böl., Turkey 1994 - 1997

Undergraduate, Hacettepe Üniversitesi, Fen Bilimleri Enstitüsü, Jeoloji Müh. Böl., Turkey 1990 - 1994

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, Kula Bölgesinin (Batı Anadolu) Volkanolojik ve Petrolojik Gelişiminin İncelenmesi, Hacettepe Üniversitesi, Mühendislik Fakültesi, Jeoloji Mühendisliği Bölümü, 2002

Postgraduate, Erciyes Strato-volkanı'nın Volkanolojik ve Petrolojik Gelişiminin İncelenmesi, Hacettepe Üniversitesi, Fen Bilimleri Enstitüsü, Jeoloji Mühendisliği (YI) (Tezli), 1997

Research Areas

Geological Engineering, Mineralogy-petrography, Petrography and Petrology, Engineering and Technology

Academic Titles / Tasks

Assistant Professor, Hacettepe Üniversitesi, Mühendislik Fakültesi, Jeoloji Mühendisliği Bölümü, 2018 - Continues

Assistant Professor, Hacettepe Üniversitesi, Mühendislik Fakültesi, Jeoloji Mühendisliği Bölümü, 2016 - 2018

Lecturer PhD, Hacettepe Üniversitesi, Mühendislik Fakültesi, Jeoloji Mühendisliği Bölümü, 2004 - 2016

Research Assistant, Hacettepe Üniversitesi, Mühendislik Fakültesi, Jeoloji Mühendisliği Bölümü, 1996 - 2004

Courses

JEM600-42 ÖZEL KONULAR, Postgraduate, 2016 - 2017

JE0265 MİNERALOJİ, Undergraduate, 2016 - 2017

JE0455-03 TASARIM VE PROJELENDİRME I, Undergraduate, 2016 - 2017

JE0473 MAGMATİK PETROGRAFI, Undergraduate, 2016 - 2017

JE0267 TAŞINIM OLAYLARI, Undergraduate, 2016 - 2017

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

- I. **Post-delamination magmatism in south-central Anatolia**
Gall H., Furman T., Hanan B., KÜRKCÜOĞLU B., SAYIT K., YÜRÜR M. T. , Sjoblom M. P. , ŞEN E., Şen P. A.
Lithos, vol.398, 2021 (Journal Indexed in SCI)
- II. **Volcanic unrest possibilities in response to recent Obruk seismic swarm on and around Hasandag stratovolcano (Central Anatolia, Turkey)**
AYDAR E., DİKER C., ULUSOY İ., ŞEN E.
COMPTES RENDUS GEOSCIENCE, vol.353, no.1, pp.1-18, 2021 (Journal Indexed in SCI)
- III. **Volcanic eruption eye-witnessed and recorded by prehistoric humans**
ULUSOY İ., Sarıkaya M. A. , Schmitt A. K. , ŞEN E., Danisik M., GÜMÜŞ E.
QUATERNARY SCIENCE REVIEWS, vol.212, pp.187-198, 2019 (Journal Indexed in SCI)
- IV. **Chlorine degassing constrained by cosmogenic Cl-36 and radiocarbon dating of early Holocene rhyodacitic lava domes on Erciyes stratovolcano, central Turkey**
Sarıkaya M. A. , Ciner A., Zreda M., ŞEN E., ERSOY O.
JOURNAL OF VOLCANOLOGY AND GEOTHERMAL RESEARCH, vol.369, pp.263-275, 2019 (Journal Indexed in SCI)
- V. **Geochemistry of mafic lavas from Sivas, Turkey and the evolution of Anatolian lithosphere**
KÜRKCÜOĞLU B., PICKARD M., SEN P., HANAN B. B. , SAYIT K., Plummer C., ŞEN E., Yurur T., Furman T.
LITHOS, vol.232, pp.229-241, 2015 (Journal Indexed in SCI)
- VI. **Identifying the Volcanic Eruption Depicted in a Neolithic Painting at Catalhoyuk, Central Anatolia, Turkey**
SCHMITT A. K. , DANISIK M., AYDAR E., ŞEN E., ULUSOY İ., LOVERA O. M.
PLOS ONE, vol.9, no.1, 2014 (Journal Indexed in SCI)
- VII. **Central Anatolian Plateau, Turkey: incision and paleoaltimetry recorded from volcanic rocks**
AYDAR E., ÇUBUKÇU H. E. , ŞEN E., AKIN L.
TURKISH JOURNAL OF EARTH SCIENCES, vol.22, no.5, pp.739-746, 2013 (Journal Indexed in SCI)
- VIII. **A Rhinocerotid Skull Cooked-to-Death in a 9.2 Ma-Old Ignimbrite Flow of Turkey**
ANTOINE P., ORLIAC M. J. , ATICI G., ULUSOY İ., ŞEN E., ÇUBUKÇU H. E. , ALBAYRAK E., OYAL N., AYDAR E., SEN S.
PLOS ONE, vol.7, no.11, 2012 (Journal Indexed in SCI)
- IX. **Volcanological evolution and caldera forming eruptions of Mt. Nemrut (Eastern Turkey)**
ULUSOY İ., ÇUBUKÇU H. E. , AYDAR E., LABAZUY P., ERSOY O., ŞEN E., GOURGAUD A.
JOURNAL OF VOLCANOLOGY AND GEOTHERMAL RESEARCH, vol.245, pp.21-39, 2012 (Journal Indexed in SCI)
- X. **Correlation of ignimbrites in the central Anatolian volcanic province using zircon and plagioclase ages and zircon compositions**
AYDAR E., SCHMITT A. K. , ÇUBUKÇU H. E. , AKIN L., ERSOY O., ŞEN E., Duncan R. A. , ATICI G.
JOURNAL OF VOLCANOLOGY AND GEOTHERMAL RESEARCH, vol.213, pp.83-97, 2012 (Journal Indexed in SCI)
- XI. **Mt. Nemrut volcano (Eastern Turkey): Temporal petrological evolution**
ÇUBUKÇU H. E. , ULUSOY İ., AYDAR E., ERSOY O., ŞEN E., GOURGAUD A., GUILLOU H.
JOURNAL OF VOLCANOLOGY AND GEOTHERMAL RESEARCH, vol.209, pp.33-60, 2012 (Journal Indexed in SCI)
- XII. **Surface area and volume measurements of volcanic ash particles using micro-computed tomography (micro-CT): A comparison with scanning electron microscope (SEM) stereoscopic imaging and geometric considerations**
ERSOY O., ŞEN E., AYDAR E., TATAR İ., Celik H. H.
JOURNAL OF VOLCANOLOGY AND GEOTHERMAL RESEARCH, vol.196, pp.281-286, 2010 (Journal Indexed in SCI)
- XIII. **Melting of crustal xenoliths within ascending basalt: Example from the Kula volcanic field, western Anatolia, Turkey**
Bayhan H., Aydar E., ŞEN E., Gourgaud A.
COMPTES RENDUS GEOSCIENCE, vol.338, no.4, pp.237-243, 2006 (Journal Indexed in SCI)
- XIV. **Interaction of asthenospheric and lithospheric mantle: The genesis of calc-alkaline volcanism at Erciyes Volcano, central Anatolia, Turkey**
Kurkcuglu B., Sen E., Temel A., Aydar E., Gourgaud A.

INTERNATIONAL GEOLOGY REVIEW, vol.46, no.3, pp.243-258, 2004 (Journal Indexed in SCI)

- XV. **Volcanological evolution of Mount Erciyes stratovolcano and origin of the Valibaba Tepe ignimbrite (Central Anatolia, Turkey)**
Sen E., Kurkcuoglu B., Aydar E., Gourgaud A., Vincent P.
JOURNAL OF VOLCANOLOGY AND GEOTHERMAL RESEARCH, vol.125, pp.225-246, 2003 (Journal Indexed in SCI)
- XVI. **Morphological analysis of active Mount Nemrut stratovolcano, eastern Turkey: evidences and possible impact areas of future eruption**
AYDAR E., GOURGAUD A., Ulusoy I., DIGONNET F., LABAZUY P., Sen E., Bayhan H., Kurttas T., TOLLUOGLU A.
JOURNAL OF VOLCANOLOGY AND GEOTHERMAL RESEARCH, vol.123, pp.301-312, 2003 (Journal Indexed in SCI)
- XVII. **Initial explosive phases during extrusion of volcanic lava domes: example from rhyodacitic dome of Dikkartin Dag, Erciyes stratovolcano, Central Anatolia, Turkey**
Sen E., Aydar E., Gourgaud A., Kurkcuoglu B.
COMPTES RENDUS GEOSCIENCE, vol.334, no.1, pp.27-33, 2002 (Journal Indexed in SCI)
- XVIII. **Trace-element modeling and source constraints for tholeiitic and calc-alkaline basalts from a depleted asthenospheric mantle source, Mt. Erciyes Stratovolcano, Turkey**
Kurkcuoglu B., Sen E., Temel A., Aydar E., Gourgaud A.
INTERNATIONAL GEOLOGY REVIEW, vol.43, no.6, pp.508-522, 2001 (Journal Indexed in SCI)
- XIX. **Geochemical approach to magmatic evolution of Mt Erciyes stratovolcano central Anatolia, Turkey**
Kurkcuoglu B., Sen E., Aydar E., Gourgaud A., Gundogdu N.
JOURNAL OF VOLCANOLOGY AND GEOTHERMAL RESEARCH, vol.85, pp.473-494, 1998 (Journal Indexed in SCI)

Articles Published in Other Journals

- I. **Geochemical features and petrogenesis of Gokceada volcanism, Canakkale, NW Turkey**
Sen P., Sari R., ŞEN E., Donmez C., Ozkumus S., Kucukefe S.
BULLETIN OF THE MINERAL RESEARCH AND EXPLORATION, vol.161, pp.81-99, 2020 (Journal Indexed in ESCI)
- II. **Petrological and geochemical features of Biga Peninsula granitoids, NW Anatolia, Turkey**
Aydin U., Sen P., Ozmen O., ŞEN E.
BULLETIN OF THE MINERAL RESEARCH AND EXPLORATION, vol.160, pp.81-115, 2019 (Journal Indexed in ESCI)
- III. **Hafif bir İHA ile bir Açık Maden Ocağının 3B Çok-bakılı Stereo Modellemesi, (3D Multi-view Stereo Modelling of an Open Mine Pit Using a Lightweight UAV)**
ULUSOY İ., ŞEN E., TUNCER A., SÖNMEZ H., Bayhan H.
Türkiye Jeoloji Bülteni, vol.60, pp.225-245, 2017 (Refereed Journals of Other Institutions)
- IV. **3D Multi-view Stereo Modelling of an Open Mine Pit Using a Lightweight UAV**
ULUSOY İ., ŞEN E., TUNCER A., SÖNMEZ H., BAYHAN H.
TURKIYE JEOLOJİ BULTENİ-GEOLOGICAL BULLETIN OF TURKEY, vol.60, no.2, pp.223-241, 2017 (Journal Indexed in ESCI)
- V. **PETROGENETIC CHARACTERISTICS OF OYACA - KEDIKAYASI - BOYALIK ADAKITES IN SW ANKARA (CENTRALANATOLIA, TURKEY): EVIDENCE FOR SLAB MELT METASOMATISM**
ŞEN E., ŞEN E.
BULLETIN OF THE MINERAL RESEARCH AND EXPLORATION, vol.146, pp.81-91, 2013 (Journal Indexed in ESCI)

Refereed Congress / Symposium Publications in Proceedings

- I. **Microscopic Monitoring of Laboratory Based Physical Disintegration Ratio of Fibrous Zeolite Crystals from Cappadocian Altered Ignimbrites (Turkey)**
AKKAŞ E., ÇUBUKÇU H. E., ERKUT V., AKIN KARAKÜLAH L., YURDAKUL Y., ULUSOY İ., ŞEN E.
Cities on Volcanoes 10, Napoli, Italy, 2 - 07 September 2018, pp.1117
- II. **Self-Potential, Surface Temperature, CO₂ measurements and related structural discontinuities on**

Mount Hasan, Turkey

DİKER C., ULUSOY İ., AKKAŞ E., ŞEN E., ÇUBUKÇU H. E. , GÜMÜŞ E., BAŞAR O., AYDIN E., ERKUT V., KAYGISIZ N.
Cities on Volcanoes 10, Napoli, 2 - 07 September 2018, pp.521

- III. **Revealing the age of a volcanic eruption in the Kula volcanic field (Turkey) eyewitnessed by Bronze-age people**
ULUSOY İ., SARIKAYA M. A. , Schmitt A. K. , ŞEN E., Danisik M., GÜMÜŞ E.
Cities on Volcanoes 10, 2 - 07 September 2018
- IV. **Acıgöl Maar Gölü'nün (Nevşehir, Orta Anadolu) Holosen Yaşlı Ostrakod Faunası ve Paleootamsal Özellikleri**
TUNOĞLU C., TUNCER A., AYDAR E., ŞEN E., GÜMÜŞ B. A.
71. Türkiye Jeoloji Kurultayı, 23 - 27 April 2018
- V. **Low Temperature Alteration of Zelve Ignimbrite (Cappadocia) Under Experimental Conditions**
AKIN KARAKÜLAH L., ÇUBUKÇU H. E. , AKKAŞ E., YURDAKUL Y., ERKUT V., ULUSOY İ., ŞEN E.
European Geosciences Union General Assembly 2018, Viyana, Austria, 8 - 13 April 2018
- VI. **Hydrothermal fluid circulation and structural discontinuities on Mount Hasan, Turkey: preliminary results.**
DİKER C., ULUSOY İ., AKKAŞ E., ŞEN E., ÇUBUKÇU H. E. , GÜMÜŞ E., Başar O., Aydın E., Erkut V., Kaygisiz N.
European Geosciences Union General Assembly 2018, 8 - 13 April 2018
- VII. **Geochemical Features of Multi Component Mantle Source Domains Beneath Central Anatolia 7th Geochemistry Symposium Symposium Abstract 16 18 Mayıs 2016 Antalya Türkiye**
KÜRKCÜOĞLU B., Furman T., pickard M., ŞEN E., Hanan B., Şen P., SAYIT K., YÜRÜR M. T.
Uluslararası katılımlı 7. Jeokimya Sempozyumu, Antalya, Turkey, 16 - 18 May 2016
- VIII. **In situ application of Ultrasonic Pulse Velocity measurements to determine the degree of zeolitic alteration of ignimbrite**
ÇUBUKÇU H. E. , Yurdakul Y., Erkut V., AKKAŞ E., AKIN KARAKÜLAH L., ULUSOY İ., ŞEN E.
European Geosciences Union General Assembly 2016, 17 - 22 April 2016
- IX. **In situ application of Ultrasonic Pulse Velocity measurements to determine the degree of zeolitic alteration of ignimbrites**
ÇUBUKÇU H. E. , YURDAKUL Y., ERKUT V., AKKAŞ E., AKIN KARAKÜLAH L., ULUSOY İ., ŞEN E.
European Union of Geosciences (EGU 2016), 17 - 22 April 2016
- X. **In situ application of Ultrasonic Pulse Velocity measurements to determine the degree of zeolitic alteration of ignimbrites**
ÇUBUKÇU H. E. , Yurdakul Y., Erkut V., AKKAŞ E., AKIN L., ULUSOY İ., ŞEN E.
European Geosciences Union General Assembly, 17 - 22 April 2016
- XI. **BİR İGİNİMBİRİTİN ALTERASYON ÖZELLİKLERİNİN X IŞINI MİKROTOMOGRAFİ TEKNİĞİYLE BELİRLENMESİ**
ÇUBUKÇU H. E. , Yurdakul Y., AKKAŞ E., AKIN KARAKÜLAH L., Erkut V., ULUSOY İ., ŞEN E.
69. Türkiye Jeoloji Kurultayı, Turkey, 11 - 15 April 2016
- XII. **Kapadokya nin eriyonit içeren ignimbiritleri süregelen bir sorun Erionite Bearing Ignimbrites of Cappadocia An Ongoing Problem**
ÇUBUKÇU H. E. , YURDAKUL Y., AKKAŞ E., AKIN KARAKÜLAH L., ŞEN E., ULUSOY İ.
68. Türkiye Jeoloji Kurultayı, Ankara, Turkey, 16 - 18 April 2015
- XIII. **Kapadokya nın Eriyonit içeren ignimbiritleri Süregelen bir sorun**
ÇUBUKÇU H. E. , YURDAKUL Y., AKKAŞ E., AKIN L., ŞEN E., ULUSOY İ.
68. Türkiye Jeoloji Kurultayı, Ankara, Turkey, 6 - 10 April 2015
- XIV. **Carcinogen Erionite bearing ignimbrites in Cappadocia Turkey**
ÇUBUKÇU H. E. , ŞEN E., YURDAKUL Y., AKIN L., AKKAŞ E., ULUSOY İ.
Cities on Volcanoes 8, Yogyakarta, Indonesia, 9 - 13 September 2014
- XV. **Kapadokya Volkanizmasının Petrolojik Evrimi**
ÇUBUKÇU H. E. , ŞEN E., AYDAR E., AKIN L., DUNCAN R.
67. Türkiye Jeoloji Kurultayı, Ankara, Turkey, 14 - 18 April 2014

- XVI. **Peralkaline volcanism in a continental collisional setting Mount Nemrut volcano Eastern Anatolia**
ÇUBUKÇU H. E. , ULUSOY İ., AYDAR E., ŞEN E., ERSOY O., GOURGAUD A.
EGU 2012, VİYANA, Austria, 22 - 27 April 2012, vol.14, pp.12949
- XVII. **Eruption and emplacement dynamics of a cinder cone named Karnıyarık Tepe in Cappadocia region Turkey**
ERSOY O., ŞEN E., AYDAR E., ÇUBUKÇU H. E. , ULUSOY İ., ANÇEL A., ÇİFLİKLİ M., ATICI G.
EGU 2011, VİYANA, Austria, 3 - 08 April 2011, vol.13, pp.9440
- XVIII. **Geochemical Characteristics of Quaternary Rhyolitic Volcanism in Acigöl area Cappadocia Turkiye**
ÇUBUKÇU H. E. , ŞEN E., AYDAR E.
EGU 2010, VİYANA, Austria, 2 - 07 May 2010, vol.12, pp.14497
- XIX. **Timing of Cappadocian volcanic events and its significance on the development of Central Anatolian Orogenic Plateau**
AYDAR E., ÇUBUKÇU H. E. , ŞEN E., ERSOY O., DUNCAN R., ÇİNER T. A.
EGU 2010, Viyana, Austria, 2 - 07 May 2010, vol.12, pp.10147
- XX. **Quaternary Bimodal Volcanism in Acigol area Cappadocia Turkiye**
ÇUBUKÇU H. E. , AYDAR E., ŞEN E., BAYHAN H.
EGU 2009, VİYANA, Austria, 19 - 24 April 2009, vol.11, pp.12441

Supported Projects

ULUSOY İ., SARIKAYA M. A. , Project Supported by Higher Education Institutions, Çakallar cüruf konisi ve lav akıntısının kozmojenik yöntemlerle tarihlendirilmesi, 2016 - 2018

ŞEN E., ÇUBUKÇU H. E. , Project Supported by Higher Education Institutions, Hacettepe Üniversitesi Jeoloji Mühendisliği Taramalı Elektron Mikroskop Laboratuvarı Yüksek Voltaj Ünitesinin Yenilenmesi, 2015 - 2016

Citations

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