Assoc. Prof. İNAN ULUSOY

Personal Information

Office Phone: +90 312 297 7700 Extension: 136
Fax Phone: +90 312 299 2034
Email: inan@hacettepe.edu.tr
Web: https://avesis.hacettepe.edu.tr/inan

International Researcher IDs
ORCID: 0000-0002-6343-9921
ScopusID: 6506286721
Yoksis Researcher ID: 192791

Education Information

Post Doctorate, Lunds Universiet (Lund University), Faculty Of Science, Department Of Geology, Sweden 2008 - 2009
Doctorate, Hacettepe University, Mühendislik Fakültesi, Jeoloji Mühendisliği Bölümü / Mineraloji Petrografi Abd, Turkey 2002 - 2009
Doctorate, Université Blaise Pascal: Clermont-Ferrand II, Sciences De La Terre, Laboratoire Magmas Et Volcans, France 2004 - 2008
Postgraduate, Hacettepe University, Mühendislik Fakültesi, Jeoloji Mühendisliği Bölümü / Mineraloji Petrografi Abd, Turkey 1999 - 2002
Undergraduate, Hacettepe University, Mühendislik Fakültesi, Jeoloji Mühendisliği Bölümü, Turkey 1994 - 1999

Foreign Languages

French, B1 Intermediate
English, C1 Advanced

Research Areas

Geotechnical Engineering, Geographic Information Systems, Remote sensing, Image Processing, Geophysical Engineering, Seismology, Earthquake Seismology, Applied Geophysics, Electro Magnetic and Electrical Methods, Geological Engineering, General Geology, Geoarcheology, Structural Geology, Surficial Geology (geomorphology, quaternary geology, soils), Mineralogy-petrography, Petrography and Petrology, 3D-Modeling, Engineering and Technology

Academic Titles / Tasks

Lecturer PhD, Hacettepe University, Mühendislik Fakültesi, Jeoloji Mühendisliği Bölümü, 2010 - Continues

Courses

Mineralogy-Petrography, Undergraduate, 2016 - 2017

Advising Theses

ULUSOY İ., Doğu Anadolu volkanlarının termal kızılötesi uydu görüntüleri ile uzun süreli termal aktivitesinin gözlenmesi, Postgraduate, C.DİKER(Student), 2014

Published journal articles indexed by SCI, SSCI, and AHCI

I. **Hydrothermal fluid circulation within the restless structural frame of Hasandağ volcanic system (Central Anatolia, Türkiye) inferred from Self-potential, CO2, and temperature measurements**
DİKER C., ULUSOY İ., AKKAŞ E., ŞEN E., Aydın E., Gümüş E., Erkut V., ÇUBUKÇU H. E., Başar O., Çolak M., et al.
Journal of Volcanology and Geothermal Research, vol.446, 2024 (SCI-Expanded)

II. **Multisource and temporal thermal infrared remote sensing of Hasandağ Stratovolcano (Central Anatolia, Turkey)**
ULUSOY İ., DİKER C., ŞEN E., ÇUBUKÇU H. E., Gümüş E.
Journal of Volcanology and Geothermal Research, vol.428, 2022 (SCI-Expanded)

III. **Shoshonitic volcanism of the Bodrum caldera (SW Turkey): Hybridization of enriched mantle-derived and crustal melts**
ÇUBUKÇU H. E., AYDAR E., ULUSOY İ., Gourgaud A.
JOURNAL OF ASIAN EARTH SCIENCES, vol.219, 2021 (SCI-Expanded)

IV. **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 (SCI-Expanded)

V. **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 (SCI-Expanded)

VI. **Temporal radiative heat flux estimation and alteration mapping of Tendurek volcano (eastern Turkey) using ASTER imagery**
ULUSOY İ.
JOURNAL OF VOLCANOLOGY AND GEOTHERMAL RESEARCH, vol.327, pp.40-54, 2016 (SCI-Expanded)

VII. **Time-lapse electrical resistivity tomography of a water infiltration test on Johannishus Esker, Sweden**
Ulusoy I., Dahlin T., BERGMAN B.
HYDROGEOLOGY JOURNAL, vol.23, no.3, pp.551-566, 2015 (SCI-Expanded)

VIII. **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 (SCI-Expanded)

IX. **Multi-directional derivation of self-potential/elevation gradient (Ce) maps - swirl procedure**
ULUSOY İ., LABAZUY P., AYDAR E.
NEAR SURFACE GEOPHYSICS, vol.11, no.3, pp.275-282, 2013 (SCI-Expanded)

X. **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 (SCI-Expanded)

XI. **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 (SCI-Expanded)

XII. **STcorr: An IDL code for image based normalization of lapse rate and illumination effects on nighttime TIR imagery**
ULUSOY İ., LABAZUY P., AYDAR E.

COMPUTERS & GEOSCIENCES, vol.43, pp.63-72, 2012 (SCI-Expanded)

XIII. **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 (SCI-Expanded)

XIV. **Paleogeographical Reconstruction and Management Challenges of an Archaeological Site Listed by UNESCO: Case of the Plain of Xanthos and Letoon (Turkey)**
Fouache E., Ecochard E., Kuzucuoglu C., Carcaud N., EKMEKÇİ M., Ulusoy I., Ciner A., Cavalier L., des Courtils J.
JOURNAL OF EARTH SCIENCE, vol.21, pp.234-236, 2010 (SCI-Expanded)

XV. **Structure of the Nemrut caldera (Eastern Anatolia, Turkey) and associated hydrothermal fluid circulation**
ULUSOY İ., LABAZUY P., AYDAR E., ERSOY O., Cubukcu E.
JOURNAL OF VOLCANOLOGY AND GEOTHERMAL RESEARCH, vol.174, no.4, pp.269-283, 2008 (SCI-Expanded)

XVI. **Texture discrimination of volcanic ashes from different fragmentation mechanisms: A case study, Mount Nemrut stratovolcano, eastern Turkey**
ERSOY O., CHINGA G., AYDAR E., GOURGAUD A., Cubukcu H. E., Ulusoy I.
COMPUTERS & GEOSCIENCES, vol.32, no.7, pp.936-946, 2006 (SCI-Expanded)

XVII. **Volcanic and deformation history of the Bodrum resurgent caldera system (southwestern Turkey)**
Ulusoy I., Cubukcu E., AYDAR E., LABAZUY P., GOURGAUD A., VINCENT P.
JOURNAL OF VOLCANOLOGY AND GEOTHERMAL RESEARCH, vol.136, pp.71-96, 2004 (SCI-Expanded)

XVIII. **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 (SCI-Expanded)

Articles Published in Other Journals

I. **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 (Peer-Reviewed Journal)

II. **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 JEOLOJI BULTENI-GEOLOGICAL BULLETIN OF TURKEY, vol.60, no.2, pp.223-241, 2017 (ESCI)

III. **Palaeogeographical reconstruction and management challenges of an archaeological site listed by UNESCO : the case of the Letoon shrine in the Xanthos Plain (Turkey)**
FOUACHE E., ECOCHARD E., KUZUCUOĞLU C., CARCAUD N., Ekmemekçi M., ULUSOY İ., Çinener A., DES COURTİLS J.
Quaestiones Geographicae, vol.31, no.1, pp.37-49, 2012 (Scopus)

IV. **Dağıtılmış Anahtarlamalı Özdirenç Görüntüleme Sistemi**
ULUSOY İ., ARTUNER H., Aydar E.
Yerbilimleri, vol.33, pp.205-218, 2012 (Peer-Reviewed Journal)

V. **Reconstitution paléogéographique des dynamiques paysagères durant l'Holocène autour de Xanthos et Létôon dans l'ancienne Lycie (Turquie) : premiers résultats**
Écochard É., Fouache É., Kuzucuoğlu C., Carcaud N., EKMEKÇİ M., ULUSOY İ., ÇİNER T. A., Courtils J. D.
Norois, vol.213, no.4, pp.59-71, 2009 (Peer-Reviewed Journal)

Books & Book Chapters

I. **Nemrut Caldera and Eastern Anatolian Volcanoes: Fire in the Highlands**
ULUSOY İ., ÇUBUKÇU H. E., Mouralis D., AYDAR E.

in: Landscapes and Landforms of Turkey, Kuzucuoğlu Catherine, Çiner Attila, Kazancı Nizamettin, Editor, Springer Nature, Cham, pp.589-599, 2019

II. **Nemrut caldera and Eastern Anatolian volcanoes: Fire in the highlands.**
ULUSOY İ., ÇUBUKÇU H. E., Mouralis D., AYDAR E.
in: Landscapes and Landforms of Turkey, Kuzucuoglu, C., Kazancı, N., Ciner,, Editor, Springer, Cham, pp.589-599, 2019

Refereed Congress / Symposium Publications in Proceedings

I. **Analogue and Numerical modelling of double-piston piecemeal calderas**
AYDIN E., ULUSOY İ., AKKAŞ E.
Cities on Volcanoes 10, Napoli, Italy, 2 - 07 September 2018, pp.830

II. **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

III. **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

IV. **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

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., Kaygısız N.
European Geosciences Union General Assembly 2018, 8 - 13 April 2018

VII. **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

VIII. **Topographic modelling of caldera analogues using Structure from Motion Multi view stereophotogrammetry**
ULUSOY İ., AYDIN E., DİKER C.
European Union of Geosciences (EGU 2016), 17 - 22 April 2016

IX. **Remote sensing of thermal state of volcanoes in Turkey and neighbouring countries using ASTER nighttime images**
ULUSOY İ., DİKER C.
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 KARAKÜLAH L., ULUSOY İ., ŞEN E.
European Union of Geosciences (EGU 2016), 17 - 22 April 2016

XI. **In situ application of Ultrasonic Pulse Velocity measurements todetermine the degree of zeolitic alteration of ignimbrites**
ÇUBUKÇU H. E., Yurdakul Y., Erkut V., AKKAŞ E., AKIN L., ULUSOY İ., ŞEN E.

European Geosciences UnionGeneral Assembly, 17 - 22 April 2016

XII. **BİR İGNİMBİRİTİN 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

XIII. **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

XIV. **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

XV. **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

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. **Pioneer Seismic Network installed on an Anatolian volcano Mt Nemrut Eastern Turkey**
ULUSOY İ., LABAZUY P., AYDAR E., ERSOY O., ÇUBUKÇU H. E., BAYHAN H., GOURGAUD A., TEZCAN L., KURTTAŞ T.
Cities on Volcanoes 4, Quito, Ecuador, 23 - 27 January 2006

XIX. **Self Potential and image analysis of Mount Nemrut Eastern Turkey An approach to the hydrothermal system**
ULUSOY İ., ERSOY O., LABAZUY P., AYDAR E., ÇUBUKÇU H. E., BAYHAN H., GOURGAUD A., KURTTAŞ T.
Cities on Volcanoes 4, Quito, Ecuador, 23 - 27 January 2006

XX. **Quadtree decomposition and surface gradient analysis of volcanic ashes a case study Mount Nemrut stratovolcano eastern Turkey**
ERSOY O., AYDAR E., GOURGAUD A., CHINGA G., ÇUBUKÇU H. E., ULUSOY İ.
Understanding Processes and Timescales in Magma Systems-European Workshop, 6 - 11 September 2005

Supported Projects

ULUSOY İ., SARIKAYA M. A., Project Supported by Higher Education Institutions, Çakallar cüruf konisi ve lav akıntısının kozmojenik yöntemlerle tarihlendirilmesi, 2016 - 2018
ULUSOY İ., Project Supported by Higher Education Institutions, İnsansız hava aracı ve çoklu-bakı stereofotogrametri yöntemleri kullanılarak üç boyutlu yüksek çözünürlüklü sayısal yükseklik modeli üretimi, 2015 - 2015
ULUSOY İ., TUBITAK Project, Doğu Anadolu volkanlarının termal kızılötesi uydu görüntüleri ile uzun süreli termal aktivitesinin gözlenmesi, 2013 - 2014

Metrics

Publication: 45
Citation (WoS): 210
Citation (Scopus): 202
H-Index (WoS): 8

H-Index (Scopus): 8