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Education Information

Doctorate, University Of Cambridge-Queen's College, Department Of Earth Sciences, United Kingdom 1983 - 1987

Postgraduate, Middle East Technical University, Faculty Of Engineering, Department Of Geological Engineering, Turkey 1979 - 1982

Undergraduate, Middle East Technical University, Faculty Of Engineering, Department Of Geological Engineering, Turkey 1973 - 1979

Foreign Languages

English, C1 Advanced

Dissertations

Doctorate, Geochemistry of Tertiary and Quaternary Volcanics and He-3 Distribution in Western Turkey. , University Of Cambridge-Queen's College, Department Of Earth Sciences, 1987

Postgraduate, Study of Trace Element Contents of Pyrites from Turkey and Cyprus, Middle East Technical University, Faculty of Engineering, Department of Geological Engineering, 1982

Research Areas

Geological Engineering, Ore Deposits-Geochemistry, Energy Resources, Geothermal Systems, Geochemistry (Organic and Inorganic, Theoretical Geochemistry, Applied Geochemistry, Mineralogy-petrography, Geochronology, petrogenesis, Engineering and Technology

Academic Titles / Tasks

Professor, Middle East Technical University, Faculty Of Engineering, Department Of Geological Engineering, 2000 - Continues

Associate Professor, Middle East Technical University, Faculty Of Engineering, Department Of Geological Engineering, 1995 - 2000

Assistant Professor, Middle East Technical University, Faculty Of Engineering, Department Of Geological Engineering, 1987 - 1995

Research Assistant, Middle East Technical University, Faculty Of Engineering, Department Of Geological Engineering, 1979 - 1983

Academic and Administrative Experience

Middle East Technical University, Faculty of Engineering, Department of Geological Engineering, 2005 - 2007

Middle East Technical University, Faculty of Engineering, Department of Geological Engineering, 1996 - 1998

Advising Theses

Güleç N. T. , GEOCHEMICAL MODELING OF CO₂-WATER-ROCK INTERACTION IN INDONESIAN GEOTHERMAL FIELDS FOR A POSSIBLE FUTURE CARBON CAPTURE AND STORAGE PROJECT, Postgraduate, G.Utomo(Student), 2019

GÜLEÇ N. T. , Geochemical characterization of geothermal systems in Turkey as natural analogues for geological storage of CO₂, Postgraduate, S.ELİDEMİR(Student), 2014

GÜLEÇ N. T. , Geochemical characterization of geothermal systems in Turkey as natural analogues for geological storage of Co₂/, Postgraduate, S.Elidemir(Student), 2014

Güleç N. T. , Kuşcu İ., Genetic Modeling of the Şamlı (Balıkesir) Iron Deposit, Doctorate, E.YILMAZER(Student), 2012

Güleç N. T. , Tolluoğlu Ü., Volcanostratigraphy and Petrogenesis of Süphan Stratovolcano, Doctorate, Y.Özdemir(Student), 2011

Güleç N. T. , Parlaktuna M., Geochemical evaluation and conceptual modeling of Edremit geothermal field, Doctorate, Ö.AVŞAR(Student), 2011

Güleç N. T. , Kuşcu İ., Genetic Investigation of Kartaldağ and Madendağ Epithermal Gold Mineralizations in Çanakkale Region, Postgraduate, E.Ünal(Student), 2010

Güleç N. T. , Erzinger J., Geochemical Monitoring of the Seismic Activities and Noble Gas Characterization of the Geothermal Fields along the Eastern Segment of the Büyük Menderes Graben, Doctorate, S.SÜER(Student), 2010

GÜLEÇ N. T. , Güleç N., Genetic investigation and comparison of Kartaldağ and Madendağ epithermal gold mineralization in Çanakkale-region, Turkey, Postgraduate, E.Ünal(Student), 2010

Güleç N. T. , Kuşcu İ., Genetical Investigation of the Balya-Balıkesir Lead-Zinc Mineralizations, Postgraduate, G.Özışık(Student), 2009

GÜLEÇ N. T. , Genetical investigation of Balya-Balıkesir lead-zinc mineralizations, Postgraduate, G.Özışık(Student), 2009

Güleç N. T. , Isotope Geochemistry of Geothermal Systems along the North Anatolian Fault Zone, Postgraduate, S.SÜER(Student), 2004

GÜLEÇ N. T. , Monitoring of chemical and isotopic compositions of geothermal waters along the North Anatolian fault zone, Postgraduate, S.Süer(Student), 2004

Güleç N. T. , Lead-Isotope Geochemistry of Pb-Zn Deposits from Eastern Taurides, Turkey, Postgraduate, N.Ceyhan(Student), 2003

GÜLEÇ N. T. , Lead isotope geochemistry of Pb-Zn deposits from Eastern Taurides, Turkey, Postgraduate, N.Ceyhan(Student), 2003

Güleç N. T. , Karahanoğlu N., Thermal Waters from North Anatolian Fault Zone: Geochemistry and Geothermometry Applications, Postgraduate, J.Yapmış(Student), 2002

Güleç N. T. , Geochemical Assessment of Environmental Effects of the Trace Metals Around Kutlular Mine, Sürmene-Trabzon, Postgraduate, A.Senyücel(Student), 1999

GÜLEÇ N. T. , Palynostratigraphy and coal petrography of the Seyitömer basın(Kütahya) coals, Doctorate,

N.Yavuz(Student), 1999

Güleç N. T. , Erler A., Geochemical Assessment of Environmental Effects of Fly Ash from Seyitömer (Kütahya) Thermal Power Plant, Postgraduate, B.Çancı(Student), 1998

Güleç N. T. , Geological and Geochemical Evaluation of the Geothermal Areas in Western Anatolia, Turkey, Doctorate, Ç.Namoğlu(Student), 1997

GÜLEÇ N. T. , Geological and geochemical evaluation of the geothermal areas in western Anatolia, Doctorate, A.Coşkun(Student), 1997

Güleç N. T. , Genesis of Ağaçören Intrusive Suite and its Enclaves (Central Anatolia): Constraints from Geological, Petrographic, Geophysical and Geochemical Data, Doctorate, Y.KAĞAN(Student), 1996

Güleç N. T. , Geochemical Assessment of Thermal Waters from the Afyon Geothermal Area: Geothermometry Applications and Fluid-Mineral Equilibria, Doctorate, H.MUTLU(Student), 1996

GÜLEÇ N. T. , Genesis of Ağaçören intrusive suite and its enclaves (Central Anatolia): constraints from geological, petrographic, geophysical and geochemical data., Doctorate, Y.Kağan(Student), 1996

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Preliminary geochemical investigation of a possible CO₂ injection in the Ungaran geothermal field, Indonesia: equilibrium and kinetic modeling**
Utomo G. P. , Gulec N.
GREENHOUSE GASES-SCIENCE AND TECHNOLOGY, vol.11, no.1, pp.3-18, 2021 (SCI-Expanded)
- II. **Real-time gas monitoring at the Tekke Hamam geothermal field (Western Anatolia, Turkey): an assessment in relation to local seismicity**
SÜER S., Wiersberg T., Gulec N., Erzinger J., PARLAKTUNA M.
NATURAL HAZARDS, vol.104, no.2, pp.1655-1678, 2020 (SCI-Expanded)
- III. **Geochemical characterization of geothermal systems in western Anatolia (Turkey): implications for CO₂ trapping mechanisms in prospective CO₂-EGS sites**
Elidemir S., Gulec N. T.
GREENHOUSE GASES-SCIENCE AND TECHNOLOGY, vol.8, pp.63-76, 2018 (SCI-Expanded)
- IV. **Subaqueous hot springs in Koycegiz Lake, Dalyan Channel and Fethiye-Gocek Bay (SW Turkey): Locations, chemistry and origins**
Avsar O., Avsar U., Arslan S., Kurtulus B., Niedermann S., Gulec N. T.
JOURNAL OF VOLCANOLOGY AND GEOTHERMAL RESEARCH, vol.345, pp.81-97, 2017 (SCI-Expanded)
- V. **Turkish geothermal fields as natural analogues of CO₂ storage sites: Gas geochemistry and implications for CO₂ trapping mechanisms**
Güleç N. T. , Hilton D. R.
GEOTHERMICS, vol.64, pp.96-110, 2016 (SCI-Expanded)
- VI. **Post-earthquake anomalies in He-CO₂ isotope and relative abundance systematics of thermal waters: The case of the 2011 Van earthquake, eastern Anatolia, Turkey**
Aydın H., Hilton D. R. , Gulec N., Mutlu H.
CHEMICAL GEOLOGY, vol.411, pp.1-11, 2015 (SCI-Expanded)
- VII. **Geology, geochemistry, and geochronology of Fe-oxide Cu (+/- Au) mineralization associated with Samli pluton, western Turkey**
Yilmazer E., Gulec N., Kuşcu İ., Lentz D. R.
ORE GEOLOGY REVIEWS, vol.57, pp.191-215, 2014 (SCI-Expanded)
- VIII. **Geological and Geochemical Evolution of the Quaternary Suphan Stratovolcano, Eastern Anatolia, Turkey: Evidence for the Lithosphere-Asthenosphere Interaction in Post-Collisional Volcanism**
Özdemir Y., Gulec N.
JOURNAL OF PETROLOGY, vol.55, pp.37-62, 2014 (SCI-Expanded)
- IX. **Genetic investigation and comparison of Kartaldag and Madendag epithermal gold deposits in Canakkale, NW Turkey**

Unal-Imer E., Güleç N. T. , Kuşcu İ., Fallick A. E.

ORE GEOLOGY REVIEWS, vol.53, pp.204-222, 2013 (SCI-Expanded)

- X. **Hydrogeochemical characterization and conceptual modeling of the Edremit geothermal field (NW Turkey)**
Avşar Ö., Güleç N. T. , Parlaktuna M.
JOURNAL OF VOLCANOLOGY AND GEOTHERMAL RESEARCH, vol.262, pp.68-79, 2013 (SCI-Expanded)
- XI. **Spatial variations in gas and stable isotope compositions of thermal fluids around Lake Van: Implications for crust-mantle dynamics in eastern Turkey**
Mutlu H., Güleç N. T. , Hilton D. R. , Aydın H., Halldorsson S. A.
CHEMICAL GEOLOGY, vol.300, pp.165-176, 2012 (SCI-Expanded)
- XII. **Noble gas isotopes and the chemical composition of geothermal gases from the eastern part of the Büyük Menderes Graben (Turkey)**
Wiersberg T., Süer S., Güleç N. T. , Erzinger J., Parlaktuna M.
JOURNAL OF VOLCANOLOGY AND GEOTHERMAL RESEARCH, vol.208, pp.112-121, 2011 (SCI-Expanded)
- XIII. **The importance of fractional crystallization and magma mixing in controlling chemical differentiation at Suphan stratovolcano, eastern Anatolia, Turkey**
Ozdemir Y., Blundy J., Gulec N.
CONTRIBUTIONS TO MINERALOGY AND PETROLOGY, vol.162, pp.573-597, 2011 (SCI-Expanded)
- XIV. **U Pb and ⁴⁰Ar ³⁹Ar Geochronology and Isotopic Constraints on the Genesis of Copper Gold Bearing Iron Oxide Deposits in the Hasancelebi District Eastern Turkey**
Kuşcu İ., Yilmazer E., Güleç N. T. , Bayır S., Demirela G., Kuşcu G., Kuru G. S. , Kaymakçı N.
Economic Geology, vol.106, pp.261-288, 2011 (SCI-Expanded)
- XV. **Regional and temporal variations in CO₂/He-3, He-3/He-4 and delta C-13 along the North Anatolian Fault Zone, Turkey**
De Leeuw G. A. M. , Hilton D. R. , Güleç N. T. , Mutlu H.
APPLIED GEOCHEMISTRY, vol.25, pp.524-539, 2010 (SCI-Expanded)
- XVI. **GIS based geothermal potential assessment: A case study from Western Anatolia, Turkey**
TÜFEKÇİ N., SÜZEN M. L. , Gulec N. T.
ENERGY, vol.35, no.1, pp.246-261, 2010 (SCI-Expanded)
- XVII. **Helium-carbon relationships in geothermal fluids of western Anatolia, Turkey**
Mutlu H., Guelec N. T. , Hilton D. R.
CHEMICAL GEOLOGY, vol.247, pp.305-321, 2008 (SCI-Expanded)
- XVIII. **Geochemical monitoring of geothermal waters (2002-2004) along the North Anatolian Fault Zone, Turkey: Spatial and temporal variations and relationship to seismic activity**
Süer S., Guelec N. T. , Mutlu H., Hilton D. R. , Cifter C., Sayin M.
PURE AND APPLIED GEOPHYSICS, vol.165, pp.17-43, 2008 (SCI-Expanded)
- XIX. **Volcano stratigraphy and petrogenesis of the Nemrut stratovolcano (East Anatolian High Plateau): The most recent post-collisional volcanism in Turkey - Reply**
Ozdemir Y., Karaoglu O., Toluoglu A. U. , Guelec N. T.
CHEMICAL GEOLOGY, vol.245, pp.130-134, 2007 (SCI-Expanded)
- XX. **Volcano stratigraphy and petrogenesis of the Nemrut stratovolcano (East Anatolian High Plateau): The most recent post-collisional volcanism in Turkey**
Ozdemir Y., Karaoglu O., Toluoglu A., Gulec N.
CHEMICAL GEOLOGY, vol.226, pp.189-211, 2006 (SCI-Expanded)
- XXI. **Tectonomagmatic evolution of bimodal plutons in the central Anatolian crystalline complex, Turkey: A reply**
Kadioglu Y., Dilek Y., Gulec N., Foland K.
JOURNAL OF GEOLOGY, vol.113, pp.497-499, 2005 (SCI-Expanded)
- XXII. **Tectonomagmatic evolution of bimodal plutons in the central Anatolian crystalline complex, Turkey**
Kadioglu Y., Dilek Y., Gulec N., Foland K.
JOURNAL OF GEOLOGY, vol.111, pp.671-690, 2003 (SCI-Expanded)

- XXIII. **Helium isotope variations in Turkey: relationship to tectonics, volcanism and recent seismic activities**
Gulec N., Hilton D., Mutlu H.
CHEMICAL GEOLOGY, vol.187, pp.129-142, 2002 (SCI-Expanded)
- XXIV. **Assessment of soil and water contamination around an ash-disposal site: A case study from the Seyitomer coal-fired power plant in western Turkey**
Gulec N., Gunal B., Erler A.
ENVIRONMENTAL GEOLOGY, vol.40, pp.331-344, 2001 (SCI-Expanded)
- XXV. **Types and genesis of the enclaves in Central Anatolian granitoids**
Kadioglu Y., Gulec N.
GEOLOGICAL JOURNAL, vol.34, pp.243-256, 1999 (SCI-Expanded)
- XXVI. **Hydrogeochemical outline of thermal waters and geothermometry applications in Anatolia (Turkey)**
Mutlu H., Güleç N. T.
Journal of Volcanology and Geothermal Research, vol.85, pp.495-515, 1998 (SCI-Expanded)
- XXVII. **Structural interpretation of gabbroic rocks in Agacoren Granitoid, central Turkey: field observations and aeromagnetic data**
Kadioglu Y., Ates A., Gulec N.
GEOLOGICAL MAGAZINE, vol.135, pp.245-254, 1998 (SCI-Expanded)
- XXVIII. **Relative involvement of mantle and crustal components in the Agacoren granitoid (central Anatolia, Turkey): Estimates from trace element and Sr-isotope data**
Gulec N., Kadioglu Y.
CHEMIE DER ERDE-GEOCHEMISTRY, vol.58, pp.23-37, 1998 (SCI-Expanded)
- XXIX. **Tertiary volcanism of the Galatia province, north-west central Anatolia, Turkey**
Wilson M., Tankut A., Gulec N.
LITHOS, vol.42, pp.105-121, 1997 (SCI-Expanded)
- XXX. **Mafic microgranular enclaves and interaction between felsic and mafic magmas in the agacoren intrusive suite: Evidence from petrographic features and mineral chemistry**
Kadioglu Y. K. , Güleç N. T.
International Geology Review, vol.38, pp.854-867, 1996 (SCI-Expanded)
- XXXI. **Geochemistry of thermal waters and its relation to the volcanism in the Kizilcahamam (Ankara) area, Turkey**
Güleç N. T.
Journal of Volcanology and Geothermal Research, vol.59, pp.295-312, 1994 (SCI-Expanded)
- XXXII. **GEOCHEMICAL CHARACTERISTICS OF GRANITOIDS ALONG THE WESTERN MARGIN OF THE CENTRAL ANATOLIAN CRYSTALLINE COMPLEX AND THEIR TECTONIC IMPLICATIONS**
AKIMAN O., ERLER A., GONCUOGLU M., GULEC N. T. , GEVEN A., TURELI T., KADIOGLU Y.
GEOLOGICAL JOURNAL, vol.28, pp.371-382, 1993 (SCI-Expanded)
- XXXIII. **Crust-mantle interaction in western Turkey: Implications from Sr and Nd isotope geochemistry of Tertiary and Quaternary volcanics**
Güleç N. T.
Geological Magazine, vol.128, pp.417-435, 1991 (SCI-Expanded)

Articles Published in Other Journals

- I. **Ağaçören granitoidinde yeralan gabro kütlelerinin yapısal konumu jeolojik ve jeofizik öz direnç verilerin yorumu**
Kadioglu Y. K. , Güleç N. T.
TÜBİTAK Doğa Türk Yerbilimleri Dergisi, vol.5, pp.153-159, 1996 (Peer-Reviewed Journal)
- II. **The anatomy of a gabbro body and its bearings on the origin of mafic enclaves in the Ağaçören granitoid central Turkey**

Güleç N. T. , Toprak V., Yusuf Kagan K., Barbara B.
Israel Journal of Earth Sciences, vol.45, pp.169-192, 1996 (Scopus)

III. **Helium 3 distribution in western Turkey**

Güleç N. T.

Bulletin of the Mineral Research and Exploration (MTA Derg.), vol.108, pp.33-42, 1988 (Peer-Reviewed Journal)

IV. **Masif sülfid yataklarındaki piritlerin karakteristik iz element içerikleri**

Güleç N. T. , Erler A.

Türkiye Jeoloji Kurumu Bülteni, vol.26, pp.145-152, 1983 (Peer-Reviewed Journal)

Books & Book Chapters

I. **Chapter 1: Chemical and isotopic constraints on the origin of thermal waters in Anatolia.**

Mutlu H., Güleç N. T. , Hilton D. R.

in: Geothermal Systems and Energy Resources: Turkey and Greece, Baba,A.,Bundschuh,J.,Chandrasekharam,D., Editor, CRC Press/Balkema, Leiden, pp.1-12, 2014

II. **Chapter 2: Gas geochemistry of Turkish geothermal fluids.**

Güleç N. T. , Mutlu H., Hilton D. R.

in: Geothermal Systems and Energy Resources: Turkey and Greece,, Baba,A.,Bundschuh,J.,Chandrasekharam,D., Editor, CRC Press/Balkema, Leiden, pp.13-24, 2014

III. **Chapter 1: Chemical and isotopic constraints on the origin of thermal waters in Anatolia**

MUTLU H., GÜLEÇ N. T. , HILTON D. R.

in: Geothermal Systems and Energy Resources Turkey and Greece, Baba, A., Bundschuh, J., Chandrasekharam, D , Editor, CRC Press Taylor & Francis Group, pp.1-12, 2014

IV. **Chapter 2: Gas geochemistry of Turkish geothermal fluids**

GÜLEÇ N. T. , MUTLU H., HILTON D. R.

in: Geothermal Systems and Energy Resources Turkey and Greece, Baba, A., Bundschuh, J., Chandrasekharam, D. , Editor, CRC Press, Taylor & Francis Group, pp.13-24, 2014

V. **Iron oxide-(copper +/- gold) mineralization in the Turkish Tethyan Collage**

KUŞÇU I., YILMAZER E., DEMİRALA G., GENÇALIOĞLU KUŞÇU G., GÜLEÇ N. T.

in: Hydrothermal Iron Oxide Cu Au Related Deposits A Global Perspective Volume 4 Advances in the Understanding of IOCG Deposits, Porter, T. M., Editor, PGC Publishing, Adelaide, pp.573-600, 2010

VI. **Iron oxide-(copper & gold) mineralization in the Turkish Tethyan Collage.**

Kuşcu İ., Yilmazer E., Demirala G., Gençalioğlu Kuşcu G., Güleç N. T.

in: Hydrothermal Iron Oxide Cu-Au & Related Deposits: A Global Perspective Volume 4 - Advances in the Understanding of IOCG Deposits, Porter,T. M., Editor, PGC Publishing, Adelaide, pp.573-600, 2010

VII. **Helium and Heat Distribution in Western Anatolia, Turkey: Relationship to Active Extension and Volcanism**

Güleç N. T. , Hilton D. R.

in: Post-Collisional Tectonics and Magmatism in the Eastern Mediterranean Region, Dilek,Y. and Pavlides,S., Editor, Geological Society of America, Colorado, pp.305-319, 2006

VIII. **Applications of Geothermometry**

Güleç N. T.

in: Geothermal Geochemistry and Some New Geothermal Approaches (Reviewed Course Book of International Summer School on Geothermal Geochemistry), Savaşçın,M.Y.,and Mertoğlu,O., Editor, Dokuz Eylül Üniversitesi , Ankara, pp.85-103, 2005

IX. **Jeotermal Alanlarda İzotop Jeokimyası**

GÜLEÇ N. T. , MUTLU H.

in: Jeotermalde Yerbilimsel Uygulamalar, , Editor, Dokuz Eylül Üniversitesi Mühendislik Fakültesi, pp.64-88, 2002

X. **Magmatik Kayaçların İzotop Jeokimyası**

Güleç N. T.

in: Magmatik Petrojenez, Boztuğ,D. and Otlu,N., Editor, TMMOB Jeoloji Mühendisleri Odası, Ankara, pp.332-365, 2001

XI. İzotoplar

Güleç N. T.

in: Jeokimya : Temel Kavram ve İlkeler (2.baskı), Çağatay,N. ve Erler,A., Editor, TMMOB Jeoloji Mühendisleri Odası, Ankara, pp.205-240, 1993

Refereed Congress / Symposium Publications in Proceedings

- I. **Geochemical Modelling of Fluid-Rock Interactions in Akköy and Edremit Geothermal Fields as Prospective CO2 Storage Sites: Results of a Preliminary Study**
Elidemir S., Güleç N. T.
73. Türkiye Jeoloji Kurultayı, Ankara, Turkey, 24 - 28 May 2021, pp.328-329
- II. **Çatak (Van) - Kozluk (Batman) Arasında Yüzeylenen Maden Kompleksi Volkaniklerine Ait İlkeli Jeolojik ve Petrolojik Bulgular**
MERCAN Ç., ÖZDEMİR Y., OYAN V., Atakul Özdemir A., GÜLEÇ N. T. , Özkan Altın S.
73. Türkiye Jeoloji Kurultayı, Ankara, Turkey, 24 May 2021, pp.654-655
- III. **Maden Kompleksine ait derin denizel istiflerin planktonik foraminifer toplulukları (Doğu Türkiye)**
Atakul Özdemir A., Özkan Altın S., ÖZDEMİR Y., MERCAN Ç., OYAN V., GÜLEÇ N. T.
73. Türkiye Jeoloji Kurultayı, Ankara, Turkey, 24 May 2021, pp.881-882
- IV. **Biostratigraphy and microfacies of the sedimentary sequences within volcano-sedimentary Maden Complex in Southeastern Turkey**
Atakul Özdemir A., Özkan Altın S., Tancan S., ÖZDEMİR Y., MERCAN Ç., OYAN V., GÜLEÇ N. T.
EGU General Assembly 2021, 19 April 2021
- V. **Petrology of the volcanic/subvolcanic members of the volcano-sedimentary Maden Complex in Eastern Turkey**
ÖZDEMİR Y., MERCAN Ç., OYAN V., Atakul Özdemir A., Güleç N., Özkan Altın S.
EGU General Assembly 2021, Viyana, Austria, 19 April 2021
- VI. **Lithochemical Characterization of Akköy and Edremit Geothermal Fields as Prospective CO2 Storage Sites: A Preliminary Study**
ELİDEMİR S., GÜLEÇ N. T.
EGU General Assembly 2020, Viyana, Austria, 04 May 2020
- VII. **Water-Rock Interactions in Geothermal Systems in the Framework of CO2 Storage**
Elidemir S., Güleç N. T.
European Geothermal PhD Days-2020, Denizli, Turkey, 24 - 26 February 2020
- VIII. **Geochemical Modelling of Fluid-Rock Interactions in Adaköy and Edremit Geothermal Fields as Prospective CO2 Storage Sites: A Preliminary Study**
Elidemir S., Güleç N. T.
14th CO2 GeoNet Open Forum, Venice, Italy, 6 - 09 May 2019
- IX. **Equilibrium and Kinetic Modeling of a Possible CO2 Injection in Ungaran Geothermal Field, Indonesia.**
UTOMO G., GÜLEÇ N. T.
72. Türkiye Jeoloji Kurultayı, Turkey, 28 January - 01 February 2019
- X. **MANTLE SOURCE REGION AND PARTIAL MELTING CONDITIONS OF THE PLIOCENE VOLCANISM IN THE EAST ANATOLIA COLLISION ZONE, TURKEY**
ÖZDEMİR Y., OYAN V., KESKİN M., GÜLEÇ N. T.
9Th International Symposium on Eastern Mediterranean Geology (ISEMG 2018), Antalya, Turkey, 7 - 11 May 2018, vol.9, pp.6
- XI. **Doğu Anadolu Jeotermal Sistemlerinin Hidrojeokimyasal Özellikleri**
AYDIN H., KARAKUŞ H., MUTLU H., GÜLEÇ N. T. , HILTON D. R.

Uluslararası Katılımlı 71. Türkiye Jeoloji Kurultayı, Ankara, Turkey, 23 - 27 April 2018

- XII. **Geochemistry and petrology of the Solhan (Bingöl) volcanics, Eastern Anatolia, Turkey**
OYAN V., ÖZDEMİR Y., KESKİN M., GÜLEÇ N. T.
Goldschmidt 2017, 13 - 18 August 2017
- XIII. **Geothermal systems as natural analogues for geological storage of CO₂: implications for trapping mechanisms from hydrogeochemistry of western Anatolian fluids (Turkey).**
ELİDEMİR S., GÜLEÇ N. T.
Goldschmidt 2017 Conference, 13 - 18 August 2017
- XIV. **Petrologic evaluation of Pliocene basaltic volcanism in Eastern Anatolian region, Turkey: Evidence for mixing of melts derived from both shallow and deep mantle sources**
OYAN V., ÖZDEMİR Y., KESKİN M., GÜLEÇ N. T.
EGU 2017, Viyana, Austria, 23 - 28 April 2017
- XV. **BULANIK (MUŞ) VOLKANİTLERİNİN JEOKİMYASI VE PETROLOJİSİ**
OYAN V., ÖZDEMİR Y., KESKİN M., GÜLEÇ N. T.
70. Türkiye Jeoloji Kurultayı, Turkey, 10 - 14 April 2017, vol.70, pp.430-431
- XVI. **Kuzeydoğu Anadolu jeotermal kaynaklarının asal gaz ve çevresel izotop jeokimyası**
AYDIN H., KARAKUŞ H., MUTLU H., GÜLEÇ N. T., HILTON D.
Uluslararası Katılımlı 70. Türkiye Jeoloji Kurultayı, 10 - 14 April 2017
- XVII. **Kuzeydoğu Anadolu Jeotermal Kaynaklarının Asal Gaz ve Çevresel İzotop Jeokimyası**
AYDIN H., KARAKUŞ H., MUTLU H., GÜLEÇ N. T., HILTON D. R.
70. Türkiye Jeoloji Kurultayı, Ankara, Turkey, 10 - 14 April 2017, pp.304-305
- XVIII. **Hydrochemistry isotopic ratios and origin of thermal fluids in eastern Anatolia**
AYDIN H., KARAKUŞ H., MUTLU H., GÜLEÇ N. T., HILTON D.
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- XIX. **Volatile degassing during the 2011 Van earthquake eastern Turkey**
MUTLU H., GÜLEÇ N. T., AYDIN H., HILTON D.
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