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Personal Information

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Education Information

Doctorate, İstanbul Teknik Üniversitesi, Maden Fakültesi, Jeoloji Mühendisliği Bölümü, Turkey 2002 - 2010

Foreign Languages

English

Research Areas

Technical Sciences, Geological Engineering, General Geology

Academic Titles / Tasks

Assistant Professor, İstanbul Teknik Üniversitesi, Maden Fakültesi, Jeoloji Mühendisliği, 2018 - Continues

Assistant Professor, İstanbul Teknik Üniversitesi, Maden Fakültesi, Jeoloji Mühendisliği, 2014 - 2018

Professional Experience

Rector's Advisor, İstanbul Teknik Üniversitesi, 2015 - Continues

Jury Memberships

Post Graduate, Yüksek Lisans Sınavı Jürisi, İstanbul Teknik Üniversitesi, December, 2016

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

- I. **Sedimentological and geochemical evidence for seismoturbidite generation in the Kumburgaz Basin, Sea of Marmara: Implications for earthquake recurrence along the Central High Segment of the North Anatolian Fault**
Yakupoğlu N., Uçarkuş G., Eriş K. K., Henry P., Çağatay M. N.
SEDIMENTARY GEOLOGY, vol.380, pp.31-44, 2019 (Journal Indexed in SCI)
- II. **The region of the Strandja Sill (North Turkey) and the Messinian events**
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MARINE AND PETROLEUM GEOLOGY, vol.66, pp.149-164, 2015 (Journal Indexed in SCI)
- III. **Strike-slip faulting along the Wassuk Range of the northern Walker Lane, Nevada**

Dong S., Uçarkus G., WESNOUSKY S. G. , MALONEY J., KENT G., DRISCOLL N., BASKIN R.
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- IV. **Sedimentary earthquake records in the Izmit Gulf, Sea of Marmara, Turkey**
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- V. **A two-step process for the reflooding of the Mediterranean after the Messinian Salinity Crisis**
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- VI. **Paleoseismological investigations on a slow-moving active fault in central Anatolia, Tecer Fault, Sivas**
Akyüz H. S. , Uçarkuş G., Altunel E., DOĞAN B., Dikbaş A.
ANNALS OF GEOPHYSICS, vol.55, pp.847-857, 2012 (Journal Indexed in SCI)
- VII. **Western Termination of the Mw 7.4, 1999 Izmit Earthquake Rupture: Implications for the Expected Large Earthquake in the Sea of Marmara**
Uçarkus G., Çakır Z., ARMIJO R.
TURKISH JOURNAL OF EARTH SCIENCES, vol.20, pp.379-394, 2011 (Journal Indexed in SCI)
- VIII. **Gas emissions and active tectonics within the submerged section of the North Anatolian Fault zone in the Sea of Marmara**
Geli L., HENRY P., ZITTER T., DUPRE S., TRYON M., Çağatay M. N. , DE LEPINAY B. M. , LE PICHON X., Şengör A. M. C. , GORUR N., et al.
EARTH AND PLANETARY SCIENCE LETTERS, vol.274, pp.34-39, 2008 (Journal Indexed in SCI)
- IX. **Submarine fault scarps in the Sea of Marmara pull-apart (North Anatolian Fault): Implications for seismic hazard in Istanbul**
Armijo R., PONDARD N., MEYER B., UCARKUS G., DE LEPINAY B., MALAVIEILLE J., DOMINGUEZ S., GUTSCHER M., SCHMIDT S., BECK C., et al.
GEOCHEMISTRY GEOPHYSICS GEOSYSTEMS, vol.6, 2005 (Journal Indexed in SCI)

Articles Published in Other Journals

- I. **Morphotectonics of the Sea of Marmara: Basins and Highs on the North Anatolian Continental Transform Plate Boundary**
Çağatay M. N. , Uçarkuş G.
TRANSFORM PLATE BOUNDARIES AND FRACTURE ZONES, pp.397-416, 2019 (Refereed Journals of Other Institutions)
- II. **Continental transform boundaries: Tectonic evolution and geohazards**
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- III. **Palaeoseismology of the North Anatolian Fault near the Marmara Sea: implications for fault segmentation and seismic hazard**
Rockwell T., Ragona D., Seitz G., LANGRIDGE R., Aksoy M., Uçarkus G., FERRY M., Meltzner A. J. , KLINGER Y., Meghraoui M., et al.
PALAEOSEISMOLOGY: HISTORICAL AND PREHISTORICAL RECORDS OF EARTHQUAKE GROUND EFFECTS FOR SEISMIC HAZARD ASSESSMENT, vol.316, pp.31-54, 2009 (Refereed Journals of Other Institutions)
- IV. **Paleoseismological investigations on surface rupture from the 3 February 2002 Çay earthquake 3 Şubat 2002 Çay depreminde meydana gelen yüzey kırığı üzerinde paleosismolojik araştırmalar**
Akyüz H. S. , Uçarkuş G., Satır D., Dikbaş A., Kozacı Ö.
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Books & Book Chapters

I. Submarine canyons of the Sea of Marmara

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Refereed Congress / Symposium Publications in Proceedings

I. Paleoseismological and morphotectonical characteristics of active faults in the vicinity of Mugla area (SW Turkey)

AKYÜZ H. S. , KIRKAN E., Basmenji M., AKSOY M. E. , Dikbaş A., UÇARKUŞ G., YAZICI M., YAKUPOĞLU N., ZABCI C.

Conference of Arabian Journal of Geosciences (CAJG-1), Hammamet, Tunisia, 12 - 15 November 2018, pp.253-256

II. Muğla fayı üzerinde morfometrik, kinematik ve paleosismolojik incelemeler

TÜRE O., AKSOY M. E. , AKYÜZ H. S. , Kırkan E., Basmenji M., Dikbaş A., YAZICI M., YAKUPOĞLU N., UÇARKUŞ G., ZABCI C.

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III. The X-Ray Radiography's numeric density princibles, advantages and its correlations with XRF-XRD-Mass spectrometry and Gamma RAY density method

Acar D., Çağatay N., GENÇ Ş. C. , ERİŞ K. K. , AKÇER ÖN S., BİLTEKİN D., UÇARKUŞ G.

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IV. Yatağan Fayı'nın Jeomorfolojik ve Paleosismolojik Özellikleri

Basmenji M., AKYÜZ H. S. , Kırkan E., AKSOY M. E. , UÇARKUŞ G., ZABCI C., YAKUPOĞLU N., Dikbaş A., YAZICI M.

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V. Milas Fayı'nın Paleosismolojik, Morfotektonik ve Depremsellik Özelliklerine Dair İlk Bulgular

Kırkan E., AKYÜZ H. S. , ZABCI C., Basmenji M., Dikbaş A., YAZICI M., AKSOY M. E. , UÇARKUŞ G., YAKUPOĞLU N.

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VI. Morphotectonics of Sea of Marmara: A Basin on North Anatolian Continental Transform Plate Boundary

Çağatay M. N. , Uçarkuş G., Eriş K. K. , HENRY P., GELİ L., GASPERINI L.

EGU General Assembly, Viyana, Austria, 23 - 28 April 2017, pp.4595

VII. Multi-parameter analysis of seismoturbidites in the Kumburgaz Basin of Sea of Marmara: Implications for creeping versus locked Central High segment of the North Anatolian Fault

Yakupoğlu N., Uçarkuş G., Eriş K. K. , Çağatay M. N. , HENRY P., Sabuncu A., Acar D.

EGU General Assembly, Viyana, Austria, 17 - 22 April 2016, pp.644

VIII. Heybeliada'nın jeolojisi İstanbul Paleozoyik istifine sedimentolojik ve yapısal bir bakış

ŞİLE H., AKIN C., UÇARKUŞ G., AKYÜZ H. S.

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IX. Active deformation offshore the Western Transverse Ranges

Uçarkuş G., Driscoll N., Brothers D., Kent G., ROCKWELL T.

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X. Deformation Along the Wassuk Range of the Northern Walker Lane, Nevada

Uçarkuş G., Dong S., WESNOUSKY S. G. , MALONEY J., KENT G., Driscoll N.

American Geophysical Union, San Francisco, United States Of America, 9 - 13 December 2013

XI. New Insights into the Relationship between Fault Segmentation and Earthquake Rupture: The North Anatolian Fault, Turkey

Uçarkuş G., DRISCOLL N., Çakır Z.

Seismological Society of America Annual Meeting, Salt Lake City, United States Of America, 17 - 19 April 2013, vol.84, no.2, pp.284

- XII. **Revisiting the 1912 Murefet, Turkey earthquake and tsunami**
Baptista M., AKSOY M. E. , Ferreira H., Uçarkuş G., Meghraoui M., ÇAKIR Z.
American Geophysical Union, San Francisco, United States Of America, 3 - 07 December 2012
- XIII. **The Role of Broad Shear Zones and Narrow Strike-Slip Fault Systems in Forming Orogenic Architecture: The North Anatolian Fault As An Active Example**
Uçarkuş G., Şengör A. M. C. , Özeren M. S. , Çakır Z.
American Geophysical Union, San Francisco, United States Of America, 5 - 09 December 2011
- XIV. **The North Anatolian Fault in the Sea of Marmara: Constraints on the Age, Offset and Geometry of Faulting**
Uçarkuş G., ARMIJO R., Çakır Z.
American Geophysical Union, San Francisco, United States Of America, 13 - 17 December 2010
- XV. **Late Pleistocene-Holocene Evolution Of Faulting In The Sea Of Marmara Pull-Apart (North Anatolian Fault)**
Uçarkuş G., ARMIJO R., Çakır Z., PONDARD N., DE LEPINAY B. M. , MEYER B.
American Geophysical Union, San Francisco, United States Of America, 14 - 18 December 2009
- XVI. **Recent Earthquake Breaks At The Sea of Marmara Pull-apart (North Anatolian Fault)**
Uçarkuş G., ARMIJO R., Çakır Z., Schmidt S., MEYER B.
American Geophysical Union, San Francisco, United States Of America, 15 - 19 December 2008
- XVII. **9 Ağustos 1912 Mürefte depremi yüzey kırığının doğu kesiminin morfolojik özellikleri ve paleosismolojik analizi**
Aksoy M. E. , Meghraoui M., Akyüz H. S. , Ferry M., Dikbaş A., Uçarkuş G., Çakır Z., Altunel E., Zabcı C., Şatır-Erdağ D.
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- XVIII. **Paleoearthquakes along the Düzce fault segment of the North Anatolian Fault Zone (Turkey)**
PANTOSTI D., PUCCI S., PALLYVOS N., Zabcı C., DE MARTINI P. M. , Uçarkuş G., Dikbaş A., Meghraoui M., Akyüz H. S. , COLLINS P. E. F.
32nd IGC, Floransa, Italy, 1 - 04 June 2004, pp.1215
- XIX. **Faulting behaviour along the 1912 Ganos fault segment west of the Marmara Sea: Results from paleoseismic investigations**
Meghraoui M., Akyüz H. S. , Ferry M., Altunel E., Dikbaş A., Uçarkuş G., Çakır Z., Sorensen M., Pantosti D., Yalçiner C. Ç. , et al.
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- XX. **Morphotectonics and paleoseismicity of the Gemlik fault zone, middle strand of the NAFZ in Marmara region, Turkey**
Uçarkuş G., Akyüz H. S. , Barka A., Tarı U.
EGS - AGU - EUG Joint Assembly, Nice, France, 6 - 11 April 2003, pp.440

Supported Projects

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Uçarkuş G., Project Supported by Higher Education Institutions, DENİZEL ORTAMLARDA AKTİF FAYLANMA BAĞLI OLARAK GELİŞEN ÇÖKEL DEFORMASYONLARIN KARŞILAŞTIRILMALI ANALİZİ, 2015 - Continues

Eriş K. K. , Uçarkuş G., Zabcı C., Çakır Z., TUBITAK Project, Hazar Gölü'nde (Elazığ) Depremsel-Türbiditlerin (Sismik-Türbidit) Tayini ile Doğu Anadolu Fayı Hazar-Sincik ve Palu-Hazar segmentlerinin Deprem Riskinin Tahmini, 2020 - 2022

Uçarkuş G., H2020 Project, European Marine Observation and Data Network (EMODnet 4) Geology, 2019 - 2021

Yakupoğlu N., Uçarkuş G., Eriş K. K. , TUBITAK Project, Marmara Denizi, Kumburgaz Havzasında Çökel Karotlarında Eski Deprem Kayıtlarının Analizi Ve Yaşlandırılması, 2018 - 2019

Uçarkuş G., Eriş K. K. , H2020 Project, EMODnet 3 Geology, 2017 - 2019

Uçarkuş G., Project Supported by Higher Education Institutions, Active Deformation Offshore the Western Transverse Rangers, 2014 - 2018

Uçarkuş G., Project Supported by Higher Education Institutions, Marmara Denizi, Kumburgaz Havzası'nın Paleosismolojisi, 2016 - 2017

Biltekin D., Çağatay N., Eriş K. K. , Özeren M. S. , Sancar Ü. S. , Ön S. A. , Uçarkuş G., TÜBİTAK International Bilateral Joint Cooperation Program Project, Doğa Olayı Olarak Depremlerin Antropojenik Çevresel Etkileri: 1999 MW 7.4 Marmara Denizi İzmit Depremi Örneği, 2012 - 2017

Biltekin D., Çağatay N., Uçarkuş G., Erel L., Ülgen U. B. , Albut G., Project Supported by Other Official Institutions, Marmara Deniz i çökel karotlarında eski deprem kayıtlarının analizi ve yaşlandırılması, 2010 - 2013

Scientific Refereeing

Geological Society of London Special Publications, Chapter Scientific / Professional Book Published by Other Publishers, November 2019

Mugla Journal of Science and Technology, National Scientific Refreed Journal, May 2017

GEOCHEMISTRY GEOPHYSICS GEOSYSTEMS, SCI Journal, March 2016

ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING, Journal Indexed in SCI-E, February 2016

BULLETIN OF THE SEISMOLOGICAL SOCIETY OF AMERICA, SCI Journal, November 2013

TECTONICS, SCI Journal, April 2011

JOURNAL OF GEOPHYSICAL RESEARCH, SCI Journal, October 2010

Citations

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