

Asst. Prof. Cengiz Zabcı

Personal Information

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Address: İstanbul Teknik Üniversitesi, Ayazağa Yerleşkesi, Maden Fakültesi, Jeoloji Mühendisliği Bölümü 34469 Maslak İstanbul

Education Information

Doctorate, İstanbul Teknik Üniversitesi, Avrasya Yer Bilimleri Enstitüsü, Katı Yer Bilimleri, Turkey 2005 - 2013

Postgraduate, İstanbul Teknik Üniversitesi, Avrasya Yer Bilimleri Enstitüsü, Katı Yer Bilimleri, Turkey 2003 - 2005

Undergraduate, İstanbul Teknik Üniversitesi, Maden Fakültesi, Jeoloji Mühendisliği, Turkey 1999 - 2003

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, Kuzey Anadolu Fayı'nın Ilgaz (Çankırı) - Karlıova (Bingöl) arasında kalan kesiminin morfolojik tabanlı son beşbin yıllık kayma hızı tarihesi ve depremselliği, İstanbul Teknik Üniversitesi, Avrasya Yer Bilimleri Enstitüsü, Katı Yer Bilimleri, 2013

Postgraduate, Dokurcun-Beldibi (Adapazarı) arasının morfolojik ve paleosismolojik özellikleri, İstanbul Teknik Üniversitesi, Avrasya Yer Bilimleri Enstitüsü, Katı Yer Bilimleri, 2005

Research Areas

Technical Sciences, Geological Engineering, General Geology, Areal Geology (general, maps and charts), Tectonics (Paleotectonics, Neotectonics, Seismotectonics), Structural Geology, Surficial Geology (geomorphology, quaternary geology, soils), Geology

Academic Titles / Tasks

Assistant Professor, İstanbul Technical University, Maden, Jeoloji Mühendisliği, 2018 - Continues

Assistant Professor, İstanbul Technical University, Maden, Jeoloji Mühendisliği, 2017 - 2018

Expert PhD, İstanbul Technical University, Maden, Jeoloji Mühendisliği, 2013 - 2017

Research Assistant, İstanbul Technical University, Maden, Jeoloji Mühendisliği, 2010 - 2013

Research Assistant, İstanbul Technical University, Maden, Jeoloji Mühendisliği, 2005 - 2010

Academic and Administrative Experience

Deputy Head of Department, İstanbul Technical University, Jeoloji Mühendisliği Bölümü, 2018 - 2020

Courses

Paleoseismology, Postgraduate, 2017 - 2018

Saha Jeolojisi, Undergraduate, 2017 - 2018

Petrography of Sedimentary Rocks, Undergraduate, 2017 - 2018

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

- I. **Reconstructing orogens without biostratigraphy: The Saharides and continental growth during the final assembly of Gondwana-Land**
Şengör A. M. C. , Lom N., Zabcı C., Sunal G., Oner T.
Proceedings of the National Academy of Sciences of the United States of America, vol.117, no.51, pp.32278-32284, 2020 (Journal Indexed in SCI)
- II. **Palaeoseismic behaviour of strike-slip faults in slowly deforming regions: palaeoearthquakes and long-term slip history of the Ovacik Fault (eastern Turkey)**
Yazıcı M., Zabcı C., Natalın B., SANÇAR T., Akyüz H. S.
JOURNAL OF SEISMOLOGY, 2020 (Journal Indexed in SCI)
- III. **Geodynamic importance of the strike-slip faults at the eastern part of the Anatolian Scholle: Inferences from the uplift and slip rate of the Malatya Fault (Malatya-Ovacik Fault Zone, eastern Turkey)**
Sancar T., Zabcı C., Akcar N., Karabacak V., Yesilyurt S., Yazıcı M., Akyüz H. S. , Onal A. O. , Ivy-Ochs S., Christl M., et al.
JOURNAL OF ASIAN EARTH SCIENCES, vol.188, 2020 (Journal Indexed in SCI)
- IV. **Spatio-temporal behaviour of continental transform faults: implications from the late Quaternary slip history of the North Anatolian Fault, Turkey**
Zabcı C.
CANADIAN JOURNAL OF EARTH SCIENCES, vol.56, no.11, pp.1218-1238, 2019 (Journal Indexed in SCI)
- V. **Fluvial response to rising levels of the Black Sea and to climate changes during the Holocene: Luminescence geochronology of the Sakarya terraces**
ERTURAÇ M. K. , Sahiner A., Zabcı C., Okur H., Polymeris G. S. , MERİÇ N., İKİEL C.
HOLOCENE, vol.29, no.6, pp.941-952, 2019 (Journal Indexed in SCI)
- VI. **Geometry and Paleoseismology of the Malatya Fault (Malatya-Ovack Fault Zone), Eastern Turkey: Implications for intraplate deformation of the Anatolian Scholle**
SANÇAR T., Zabcı C., KARABACAK V., Yazıcı M., Akyüz H. S.
JOURNAL OF SEISMOLOGY, vol.23, no.2, pp.319-340, 2019 (Journal Indexed in SCI)
- VII. **The role of intraplate strike-slip faults in shaping the surrounding morphology: The Ovacik Fault (eastern Turkey) as a case study**
Yazıcı M., Zabcı C., Sancar T., Natalın B.
GEOMORPHOLOGY, vol.321, pp.129-145, 2018 (Journal Indexed in SCI)
- VIII. **Mechanics of plio-quaternaly faulting around the Karliova triple junction: implications for the deformation of Eastern part of the Anatolian Scholle**
Sancar T., Akyüz H. S. , Schreurs G., Zabcı C.
GEODINAMICA ACTA, vol.30, no.1, pp.287-305, 2018 (Journal Indexed in SCI)
- IX. **Evidence for tear faulting from new constraints of the 23 october 2011 Mw 7.1 Van, Turkey, earthquake based on InSAR, GPS, coastal uplift, and field observations**
Akoglu A. M. , Jonsson S., Wang T., Cakir Z., Doğan U., Ergintav S., Osmanoglu B., Feng G., Zabcı C., Özdemir A., et al.
Bulletin of the Seismological Society of America, vol.108, no.4, pp.1929-1946, 2018 (Journal Indexed in SCI Expanded)
- X. **Paleoseismic history and slip rate along the Sapanca-Akyazi segment of the 1999 Izmit earthquake rupture (M-w=7.4) of the North Anatolian Fault (Turkey)**
Dikbaş A., Akyüz H. S. , Meghraoui M., Ferry M., Altunel E., Zabcı C., LANGRIDGE R., YALÇINER C. C.

TECTONOPHYSICS, vol.738, pp.92-111, 2018 (Journal Indexed in SCI)

- XI. **Palaeoseismic history of the eastern part of the North Anatolian Fault (Erzincan, Turkey): Implications for the seismicity of the Yedisu seismic gap**
Zabcı C., Akyüz H. S. , Sancar T.
JOURNAL OF SEISMOLOGY, vol.21, no.6, pp.1407-1425, 2017 (Journal Indexed in SCI)
- XII. **Spatial slip behavior of large strike-slip fault belts: Implications for the Holocene slip rates of the eastern termination of the North Anatolian Fault, Turkey**
Zabcı C., Sancar T., Akyüz H. S. , Kiyak N. G.
JOURNAL OF GEOPHYSICAL RESEARCH-SOLID EARTH, vol.120, no.12, pp.8591-8609, 2015 (Journal Indexed in SCI)
- XIII. **Distributed transpressive continental deformation: The Varto Fault Zone, eastern Turkey**
Sancar T., ZABCİ C., Akyüz H. S. , SUNAL G., Villa I. M.
TECTONOPHYSICS, vol.661, pp.99-111, 2015 (Journal Indexed in SCI)
- XIV. **The region of the Strandja Sill (North Turkey) and the Messinian events**
Suc J., GILLET H., Cagatay M. N. , POPESCU S., LERICOLAIS G., ARMIJO R., MELINTE-DOBRINESCU M. C. , SEN S., CLAUZON G., SAKINC M., et al.
MARINE AND PETROLEUM GEOLOGY, vol.66, pp.149-164, 2015 (Journal Indexed in SCI)
- XV. **Discussion: A critique of Possible waterways between the Marmara Sea and the Black Sea in the late Quaternary: Evidence from ostracod and foraminifer assemblages in lakes İznik and Sapanca, Turkey, Geo-Marine Letters, 2011**
Yaltrak C., ÜLGEN U. B. , Zabcı C., FRANZ S. O. , ÖN S. A. , Sakınc M., CAGATAY M. N. , Alpar B., Öztürk K., TUNOĞLU C., et al.
Geo-Marine Letters, vol.32, no.3, pp.267-274, 2012 (Journal Indexed in SCI Expanded)
- XVI. **Palaeoearthquakes on the Kelkit Valley Segment of the North Anatolian Fault, Turkey: Implications for the Surface Rupture of the Historical 17 August 1668 Anatolian Earthquake**
Zabcı C., Akyüz H. S. , Karabacak V., SANCAR T., Altunel E., Gursoy H., Tatar O.
TURKISH JOURNAL OF EARTH SCIENCES, vol.20, no.4, pp.411-427, 2011 (Journal Indexed in SCI)
- XVII. **Paleoearthquakes of the Duzce fault (North Anatolian Fault Zone): Insights for large surface faulting earthquake recurrence**
PANTOSTI D., PUCCI S., PALYVOS N., DE MARTINI P. M. , D'ADDEZIO G., Collins P. E. F. , Zabcı C.
JOURNAL OF GEOPHYSICAL RESEARCH-SOLID EARTH, vol.113, 2008 (Journal Indexed in SCI)
- XVIII. **Paleoseismological evidence of recent earthquakes on the 1967 Mudurnu Valley earthquake segment of the North Anatolian fault**
PALYVOS N., PANTOSTI D., Zabcı C., D'ADDEZIO G.
BULLETIN OF THE SEISMOLOGICAL SOCIETY OF AMERICA, vol.97, no.5, pp.1646-1661, 2007 (Journal Indexed in SCI)
- XIX. **Coseismic ruptures and tectonic landforms along the Duzce segment of the North Anatolian Fault Zone (Ms 7.1, November 1999)**
PUCCI S., PALYVOS N., Zabcı C., PANTOSTI D., BARCHI M.
JOURNAL OF GEOPHYSICAL RESEARCH-SOLID EARTH, vol.111, 2006 (Journal Indexed in SCI)

Articles Published in Other Journals

- I. **Çok bantlı Landsat 8-OLI ve Sentinel-2A MSI uydu görüntülerinin karşılaştırmalı jeoloji uygulaması: Örnek çalışma alanı olarak Doğu Anadolu Fayı boyunca Palu – Hazar Gölü bölgesi (Elazığ, Türkiye)**
ZABCİ C.
Geomatik, vol.6, no.3, pp.238-246, 2021 (Other Refereed National Journals)
- II. **Malatya Fayı'nın morfometrik özellikleri**
ZABCİ C.
TÜRK COĞRAFYA DERGİSİ, no.75, pp.107-118, 2020 (Other Refereed National Journals)

- III. **The phanerozoic palaeotectonics of Turkey. Part I: an inventory**
ŞENGÖR A. M. C. , LOM N., SUNAL G., ZABCI C., SANÇAR T.
Mediterranean Geoscience Reviews, vol.1, no.1, pp.91-161, 2019 (Refereed Journals of Other Institutions)
- IV. **The late quaternary tectono-stratigraphic evolution of the Lake Van, Turkey Van gölü'nün geç kuvaterner tektono-stratigrafik evrimi**
GÖRÜR N., Çağatay M. N. , Zabcı C., Sakınç M., AKKÖK R., ŞİLE H., Örcen S.
Bulletin of the Mineral Research and Exploration, vol.2015, no.151, pp.1-47, 2015 (Refereed Journals of Other Institutions)
- V. **1939 Erzincan Depremi yüzey kırığının Ortaköy-Suşehri segmenti üzerinde paleosismolojik bulgular, Kuzey Anadolu Fay Zonu (Paleoseismological findings on the Ortaköy-Suşehri Segment of the 1939 Erzincan Earthquake surface rupture, North Anatolian Fault Zone)**
Polat A., Tatar O., Gürsoy H., Karabacak V., Zabcı C., SANCAR T.
Türkiye Jeoloji Bülteni, vol.55, pp.137-157, 2012 (Other Refereed National Journals)
- VI. **Antik Perinthos (Marmara Ereğlisi) kentinin 15. yüzyıla kadar gerçekleşen tarihsel depremleri (Historical earthquakes of Ancient Perinthos (Marmara Ereğlisi) until the 15th century)**
Erel T. L. , Zabcı C., Akyüz H. S. , CAGATAY M. N.
Türkiye Jeoloji Bülteni, vol.51, pp.77-89, 2008 (Other Refereed National Journals)
- VII. **Deprem yapan deniz tanrısı Poseidon**
Erel T. L. , Zabcı C.
Arkeoloji ve Sanat, vol.126, pp.71-78, 2007 (Other Refereed National Journals)

Books & Book Chapters

- I. **The North Anatolian Fault and the North Anatolian Shear Zone**
Şengör A. M. C. , Zabcı C.
in: Landscapes and Landforms of Turkey, Kuzucuoğlu, C, Çiner, A., Kazancı, N. , Editor, Springer International Publishing, Cham, pp.481-494, 2019
- II. **The Continental Transform Faults: Congruence and incongruence with normal plate kinematics**
Şengör A. M. C. , Zabcı C., Natalın B.
in: Transform plate boundaries and fracture zones, Duarte, J. C. , Editor, Elsevier, Amsterdam, pp.170-246, 2019

Episodes in the Encyclopedia

- I. **Encyclopedia of Earthquake Engineering**
Akyüz H. S. , Karabacak V., Zabcı C.
Springer, pp.1779-1792, 2015

Supported Projects

Zabcı C., Yazıcı M., Project Supported by Higher Education Institutions, Ovacık Fayı'nın kısa ve uzun dönem deformasyonu ve deprem tarihçesi: Türkiye'nin levha içi deformasyonu hakkında fikirler, 2017 - 2019

Zabcı C., Yazıcı M., Project Supported by Higher Education Institutions, Büyük doğrultu atımlı fayların zamansal ve mekansal atım tarihçesinin araştırılması: Kuzey Anadolu ve Ovacık faylarının morfoloji ve kinematik kayma hızları, 2017 - 2019

Memberships / Tasks in Scientific Organizations

Bilimsel Kurul, Member, 2016 - Continues

Geological Society of America, Member, 2007 - Continues
Seismological Society of America, Member, 2007 - Continues
American Geophysical Union, Member, 2007 - Continues

Scientific Refereeing

Arabian Journal of Geosciences, SCI Journal, July 2018
Balıkesir Üniversitesi Fen Bilimleri Enstitüsü Dergisi, National Scientific Refreed Journal, January 2018
Arabian Journal of Geosciences, SCI Journal, January 2018
Tectonophysics, SCI Journal, December 2017
Tectonophysics, SCI Journal, September 2017
Muğla Journal of Science and Technology, National Scientific Refreed Journal, May 2017
Geomatic, Natural Hazards and Risk, SCI Journal, July 2016
Geodinamica Acta, SCI Journal, June 2014
Türkiye Jeoloji Bülteni, National Scientific Refreed Journal, September 2013
Geodinamica Acta, SCI Journal, July 2013
Earth Science Reviews, SCI Journal, December 2012

Scientific Consultations

TÜBİTAK, Project Consultancy, Istanbul Technical University, Maden, Jeoloji Mühendisliği, Turkey, 2017 - Continues

Scientific Research / Working Group Memberships

Aktif Tektonik Araştırma Grubu, ATAG, Turkey, <http://www.atag.itu.edu.tr>, 2003 - Continues

Edit Congress and Symposium Activities

EGU General Assembly 2018, Attendee, Vienna, Austria, 2018
ATAG-21, Attendee, Afyon, Turkey, 2017
International Conference On Astronomy and Geophysics, Attendee, Ulaanbaatar, Mongolia, 2017
EGU General Assembly 2016, Attendee, Wien, Austria, 2016
EGU General Assembly 2015, Attendee, Wien, Austria, 2015
ATAG-18, Attendee, Muğla, Turkey, 2014
EGU General Assembly 2014, Attendee, Wien, Austria, 2014
ATAG-17, Attendee, Antalya, Turkey, 2013
ATAG-16, Attendee, İstanbul, Turkey, 2012
Paleoseismology along the North Anatolian Fault, Attendee, İstanbul, Turkey, 2012
EGU General Assembly 2010, Attendee, Wien, Austria, 2010
EGU General Assembly 2009, Attendee, Wien, Austria, 2009
ATAG-12, Attendee, Düzce, Turkey, 2008
EGU General Assembly 2008, Attendee, Wien, Austria, 2008
ATAG-11, Attendee, Kocaeli, Turkey, 2007
EGU General Assembly 2007, Attendee, Wien, Austria, 2007
ATAG-10, Attendee, İzmir, Turkey, 2006
International workshop on comparative studies of the North Anatolian Fault (Northwest Turkey) and the San Andreas Fault (Southern Turkey), Attendee, Turkey, 2006
ATAG-9, Attendee, Sivas, Turkey, 2005

İstanbul'un Jeolojisi I, Attendee, İstanbul, Turkey, 2003

ATAG-7, Attendee, Van, Turkey, 2003

Paleontoloji ve Stratigrafi Çalıştayı, Attendee, Düzce, Turkey, 2002

Citations

Total Citations (WOS):151

h-index (WOS):7

Scholarships

Short Term Research Grant, Official Institutions of Foreign Countries, 2016 - Continues