

Prof. Hülya Kurt

Personal Information

Email: kurt@itu.edu.tr

Web: <http://web.itu.edu.tr/~kurt/>

Address: İstanbul Teknik Üniversitesi, Maden Fakültesi, Jeofizik Mühendisliği Bölümü, Ayazaga Kampusu, 34469 İstanbul

International Researcher IDs

ORCID: 0000-0003-2703-6233

Publons / Web Of Science ResearcherID: ABB-3511-2020

ScopusID: 56220569100

Yoksis Researcher ID: 44962

Education Information

Doctorate, Istanbul Technical University, Fen Bilimleri Enstitüsü, Jeofizik Mühendisliği (Dr), Turkey 1994 - 2000

Postgraduate, Istanbul Technical University, Fen Bilimleri Enstitüsü, Jeofizik Mühendisliği (YI) (Tezli), Turkey 1991 - 1994

Undergraduate, Istanbul Technical University, Maden Fakültesi, Jeofizik Mühendisliği Bölümü, Turkey 1986 - 1990

Foreign Languages

English

Dissertations

Doctorate, GÖKOVA VE SAROS KÖRFEZLERİNİN AKTİF TEKTONİZMALARININ SİSMİK YANSIMA VERİLERİ İLE İNCELENMESİ, İstanbul Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Jeofizik Mühendisliği, 2000

Postgraduate, YEDİKULE-BÜYÜKÇEKMECE (İSTANBUL) SIĞ DENİZ SİSMİĞİ VERİLERİNİN DEĞERLENDİRİLMESİ, İstanbul Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Jeofizik Mühendisliği, 1994

Research Areas

Technical Sciences, Geophysical Engineering, Applied Geophysics, Ground Physics, Geological Engineering, General Geology, Marine Geology and Geophysics, Stratigraphy, Tectonics (Paleotectonics, Neotectonics, Seismotectonics)

Academic Titles / Tasks

Professor, Istanbul Technical University, Maden Fakültesi, Jeofizik Mühendisliği Bölümü, 2014 - Continues

Associate Professor, Istanbul Technical University, Maden Fakültesi, Jeofizik Mühendisliği Bölümü, 2008 - 2014

Assistant Professor, Istanbul Technical University, Maden Fakültesi, Jeofizik Mühendisliği Bölümü, 2001 - 2008

Research Assistant, Istanbul Technical University, Maden Fakültesi, Jeofizik Mühendisliği Bölümü, 1993 - 2000

Academic and Administrative Experience

İstanbul Teknik Üniversitesi, Maden Fakültesi, 2008 - 2011

İstanbul Teknik Üniversitesi, Maden Fakültesi, Jeofizik Mühendisliği Bölümü, 2007 - 2010

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Post-500 ka and Holocene activity on distributed faults of the North Anatolian Fault system along the southern shelf of Marmara Sea, Turkey**
OKAY GÜNAYDIN S., Sorlien C. C., Cormier M., Barın B., Seeber L., Steckler M. S., ÇİFCİ G., DONDURUR D., Kurt H., Küçük H. M., et al.
Tectonophysics, vol.840, 2022 (SCI-Expanded)
- II. **Northern segment of the North Anatolian Fault in the Gulf of İzmit inferred from marine magnetic anomalies**
Demirel S., Alpar B., Yaltrak C., VARDAR D., Kurt H.
MARINE GEOPHYSICAL RESEARCH, vol.41, no.1, 2020 (SCI-Expanded)
- III. **Multidisciplinary analyses to understand the tectonic activity and the evolution of the North Anatolian Fault in the Hersek Peninsula İzmit Gulf Turkey**
Forte E., Sukan M., Del Ben A., Pipan M., Gasperini L., Kurt H.
Bollettino di Geofisica Teorica ed Applicata, vol.55, no.3, pp.589-616, 2014 (SCI-Expanded)
- IV. **Steady late quaternary slip rate on the Cınarcık section of the North Anatolian fault near İstanbul, Turkey**
Kurt H., SORLIEN C. C., Seeber L., Steckler M. S., Shillington D. J., Cifci G., CORMIER M. -, DESSA J. -, Atgin O., Dondurur D., et al.
GEOPHYSICAL RESEARCH LETTERS, vol.40, no.17, pp.4555-4559, 2013 (SCI-Expanded)
- V. **Evidence for widespread creep on the flanks of the Sea of Marmara transform basin from marine geophysical data**
Shillington D. J., Seeber L., SORLIEN C. C., Steckler M. S., Kurt H., Dondurur D., Cifci G., İmren C., CORMIER M. -, McHugh C. M. G., et al.
GEOLOGY, vol.40, no.5, pp.439-442, 2012 (SCI-Expanded)
- VI. **Uniform basin growth over the last 500 ka, North Anatolian Fault, Marmara Sea, Turkey**
Sorlien C. C., Akhun S. D., Seeber L., Steckler M. S., Shillington D. J., KURT H., CİFCİ G., POYRAZ D. T., Gurcay S., Dondurur D., et al.
TECTONOPHYSICS, vol.518, pp.1-16, 2012 (SCI-Expanded)
- VII. **Submarine Structures in the Gulf of İzmit based on Multichannel Seismic Reflection and Multibeam Bathymetry**
Kurt H.
Marine Geophysical Researches, vol.30, pp.73-84, 2009 (SCI-Expanded)
- VIII. **Joint Inversion of AVA Data for Elastic Parameters by Bootstrapping**
Kurt H.
Computers and Geosciences, vol.33, pp.367-382, 2007 (SSCI)
- IX. **Constructing a 3D Structural Block Diagram of the Central Basin in Marmara Sea by Means of Bathymetric and Seismic Data Marine Geophysical Research**
Demirbağ M. E., KURT H., DOĞAN D., KERİM S., ÇETİN S.
MARINE GEOPHYSICAL RESEARCHES, vol.0, 2007 (SCI-Expanded)
- X. **Active submarine tectonism and formation of the Gulf of Saros Northeast Aegean Sea inferred from multi channel seismic reflection data**
Kurt H., DEMİRBAĞ M. E., Kuşçu İ.
MARINE GEOLOGY, vol.165, pp.13-26, 2000 (SCI-Expanded)
- XI. **Investigation of the submarine active tectonism in the Gulf of Gökova, southwest Anatolia-southeast Aegean Sea, by multi-channel seismic reflection data**
Kurt H., Demirbağ E., Kusu I.

TECTONOPHYSICS, vol.305, no.4, pp.477-496, 1999 (SCI-Expanded)

- XII. **Investigation of the submarine active tectonism in the Gulf of Gökova southwest Anatolia southeast Aegean Sea by multi channel seismic reflection data**

Kurt H., DEMİRBAĞ M. E., Kuşçu İ.

TECTONOPHYSICS, vol.305, pp.477-496, 1999 (SCI-Expanded)

- XIII. **An active deep marine strike slip basin along the North Anatolian Fault in Turkey**

Okay A., Demirbağ M. E., Kurt H., Okay N., Kuşçu İ.

TECTONICS, no.18, pp.129-148, 1999 (SCI-Expanded)

Articles Published in Other Journals

- I. **Exploring Submarine Earthquake Geology in the Marmara Sea**

Polonia A., Cormier M., Çagatay N., Bortoluzzi G., Bonatti E., Gasperini L., Seeber L., Gorur N., Capotondi L., Mchugh C., et al.

EOS Trans, vol.83, no.21, pp.229-236, 2002 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **A preliminary note on the structure of the Gulf of İzmit: Implications for the westerly prolongation of the North Anatolian Fault**

Sengor A., Demirbag E., Tuysuz O., Kurt H., Gorur N., Kuscu I.

International Conference on the Kocaeli Earthquake, İstanbul, Turkey, 2 - 05 December 1999, pp.25-37

Supported Projects

Kurt H., Project Supported by Higher Education Institutions, Marmara Denizi Çınarcık Havzasında Çok Kanallı Sismik Yansıma Verileri ile Yapısal ve Stratigrafik Yorumlama, 2013 - 2021

Kurt H., Gönül E., Project Supported by Higher Education Institutions, Sapanca Gölü'ne Ait Yüksek Çözünürlüklü Sismik Verilerin İşlenmesi, Gölün Yapısal ve Stratigrafik Yorumlanması, 2019 - 2020

Kurt H., TUBITAK Project, Sapanca Gölü ve Civarının Aktif Tektoniğinin Jeofizik Yöntemlerle Araştırılması, 2018 - 2020

Kurt H., Project Supported by Higher Education Institutions, Structural Development Of The Basin Associated With Bends On The North Anatolian Fault In NW Turkey, 2015 - 2018

Kurt H., Project Supported by Higher Education Institutions, İzmit Körfezi nde Aktif Tektonik ve sismik Stratirafi Marmara Denizi Trkiye, 2014 - 2018

Kurt H., Project Supported by Higher Education Institutions, Quaternary Evolution of Çınarcık Basın Marmara Sea Turkey From Structural and Stratigraphic Interpretation of Multiple Resolutions of Seismic Reflection Data, 2011 - 2018

Kurt H., Project Supported by Higher Education Institutions, Sismik Yansıma Genliğinin Açık İle Değişimi (AVO) Modellemesi ile Yeriçi Elastik Sabitlerinin Kestirilmesi, 2011 - 2018

Kurt H., Project Supported by Higher Education Institutions, İZMİT KÖRFEZİNİN GENÇ KÖKENLİ OLUŞUMU DOĞU MARMARA DENİZİ TÜRKİYE, 2009 - 2018

Kurt H., Project Supported by Higher Education Institutions, The Gulf on İzmit a Key Area to Understand the Activity of the North Anatolian Fault in the Eastern Marmara Sea by Multi-Channel Seismic Reflection Data, 2008 - 2018

Kurt H., TUBITAK Project, Marmara Denizi ndeki Kuzey Anadolu Transform Fay Sistemi Çok Kollu Fayının Kuvaterner Sonrası Evriminin İncelenmesi, 2012 - 2015

Kurt H., Project Supported by Higher Education Institutions, Marmara Denizi, Çınarcık Havzasında Sismik Yapısal ve Stratigrafik Yorumlama, 2011 - 2013

Kurt H., Project Supported by Higher Education Institutions, İzmit Körfezinin Aktif Tektoniğinin Çok Kanallı Sismik Yansıma Verilerinin Sismik Stratigrafik ve Yapısal Yorumlaması ile İncelenmesi, 2005 - 2006

Kurt H., Project Supported by Higher Education Institutions, Dneizlerde Toplanan Çok Kanallı Sismik Stratigrafik ve Yapısal Modellemesi ve Yorumlaması, 2004 - 2005

Metrics

Publication: 25

Citation (WoS): 356

Citation (Scopus): 387

H-Index (WoS): 6

H-Index (Scopus): 6

Non Academic Experience

İstanbul Teknik Üniversitesi