

Asst. Prof. MURAT DURMAZ

Personal Information

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International Researcher IDs

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Publons / Web Of Science ResearcherID: F-2463-2019

ScopusID: 35755339300

Yoksis Researcher ID: 300011

Education Information

Post Doctorate, Middle East Technical University, Faculty Of Engineering, İnşaat Mühendisliği/Geomatik Lab., Turkey
2015 - 2016

Post Doctorate, Technische Universitaet München, Alman Geodetic Araştırmalar Enstitüsü (Dgfi), Germany 2013 - 2014

Doctorate, Middle East Technical University, Graduate School Of Natural And Applied Sciences, Jeodezi Ve Coğrafi Bilgi Teknolojileri, Turkey 2007 - 2013

Postgraduate, Middle East Technical University, Graduate School Of Natural And Applied Sciences, Jeodezi Ve Coğrafi Bilgi Teknolojileri, Turkey 2003 - 2007

Undergraduate, Middle East Technical University, Faculty Of Engineering, Department Of Computer Engineering, Turkey
1996 - 2002

Research Areas

Geotechnical Engineering, Industrial Measurements, GPS-GNSS, Image Processing, Earth Observations (Remote Sensing), Mechatronics, Optimization, Numerical Analysis, Real-time software, Numerical modeling, Simulation

Academic Titles / Tasks

Assistant Professor, Hacettepe University, Mühendislik Fakültesi, Geomatik Mühendisliği Bölümü, 2019 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Terrestrial mobile gravimetry using a temperature stabilized IMU**
Akdogan Y. A., DURMAZ M., Yildiz H.
MEASUREMENT SCIENCE AND TECHNOLOGY, no.3, 2025 (SCI-Expanded)
- II. **Seismic risk prioritization of masonry building stocks using machine learning**
COŞKUN O., AKTEPE R., ALDEMİR A., Yılmaz A. E., DURMAZ M., GÜLDÜR ERKAL B., TUNALI E.
EARTHQUAKE ENGINEERING & STRUCTURAL DYNAMICS, vol.53, pp.4432-4450, 2024 (SCI-Expanded)
- III. **Near real-time estimation of ionosphere vertical total electron content from GNSS satellites using B-splines in a Kalman filter**
ERDOGAN E., SCHMİDT M., SEİTZ F., Durmaz M.

ANNALES GEOPHYSICAE, vol.35, no.2, pp.263-277, 2017 (SCI-Expanded)

IV. Regional vertical total electron content (VTEC) modeling together with satellite and receiver differential code biases (DCBs) using semi-parametric multivariate adaptive regression B-splines (SP-BMARS)

Durmaz M., KARSLIOĞLU M. O.

JOURNAL OF GEODESY, vol.89, no.4, pp.347-360, 2015 (SCI-Expanded)

V. Non-parametric regional VTEC modeling with Multivariate Adaptive Regression B-Splines

Durmaz M., KARSLIOĞLU M. O.

ADVANCES IN SPACE RESEARCH, vol.48, no.9, pp.1523-1530, 2011 (SCI-Expanded)

VI. Regional VTEC modeling with multivariate adaptive regression splines

Durmaz M., KARSLIOĞLU M. O., Nohutcu M.

ADVANCES IN SPACE RESEARCH, vol.46, no.2, pp.180-189, 2010 (SCI-Expanded)

Papers Published in Refereed Scientific Meetings

I. IN AND END OF SEASON SOYBEAN YIELD PREDICTION WITH HISTOGRAM BASED DEEP LEARNING

Erik E., DURMAZ M., OK A. Ö.

39th International Symposium on Remote Sensing of Environment, ISRSE 2023, Antalya, Turkey, 24 - 28 April 2023, vol.48, pp.95-100

II. Regional VTEC Modeling Over Turkey Using MARS (Multivariate Adaptive Regression Splines)

KARSLIOĞLU M., Durmaz M., NOHUTCU M.

EGU General Assembly 2010, Viyana, Austria, 2 - 07 May 2010, vol.12

Peer Reviews in Scientific Publications

Journal of Geodesy, SCI Journal, June 2018

Journal of Geodesy and Geoinformation, National Scientific Refreed Journal, June 2015

Journal Of Geodesy, SCI Journal, July 2014

Advances in Space Research, SCI Journal, May 2014

Metrics

Publication: 9

Citation (WoS): 53

Citation (Scopus): 61

H-Index (WoS): 4

H-Index (Scopus): 4

Non Academic Experience

Business Establishment Private, Modesis Makina Elektronik Ve Bilişim Teknolojileri Ltd. Şti.

Modesis Makina Elektronik ve Bilişim Teknolojileri Ltd. Şti, Mühendislik Direktörü

Business Establishment Private, Bilgi Bilgi Sistemleri A.Ş.

Bilgi Bilgi Sistemleri A.Ş., Araştırmacı

Business Establishment Private, Bilgi Bilgi Sistemleri A.Ş.

Bilgi Bilgi Sistemleri A. Ş., Yazılım Teknolojileri Bölüm Yöneticisi

Sabancı Üniversitesi, Asistan