

## Asst. Prof. YASEMİN KORKUSUZ ÖZTÜRK

### Personal Information

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### International Researcher IDs

ORCID: 0000-0003-0692-8216

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### Education Information

Post Doctorate, Bogazici University, Kandilli Observatory and Earthquake Research Institute, Geophysics, Turkey 2021 - 2024

Associate Degree, Anadolu University, Açıköğretim Fakültesi, Emergency and disaster management, Turkey 2017 - 2019

Doctorate, Bogazici University, Kandilli Observatory and Earthquake Research Institute, Geophysics, Turkey 2012 - 2019

Postgraduate, Bogazici University, Kandilli Observatory and Earthquake Research Institute, Geophysics, Turkey 2008 - 2012

Undergraduate, Marmara University, Faculty Of Arts And Sciences, Physics, Turkey 2004 - 2008

### Certificates, Courses and Trainings

Other, Eğiticinin Eğitimi, Fatih Sultan Mehmet Foundation University, 2023

Other, International Workshop on Mechanics of Earthquake Cycle, International Center for Theoretical Physics, 2023

Other, International Elite PhD course on Deep Earth Processes and their Surface Expression, Istanbul Technical University, 2018

Other, International Special Research Studentship on 3D and 2D Dynamic Earthquake Rupture Simulations, Tokyo University, 2015

Other, International Training Course on Seismology, Seismic Data Analysis, Hazard Assessment and Risk Mitigation, German Research Centre for Geosciences, 2013

Other, Temel Afet Bilinci Eğitimci Eğitimi, Bogazici University, 2010

### Research Areas

Geophysical Engineering, Seismology, Earthquake Seismology, Tectonics (Paleotectonics, Neotectonics, Seismotectonics), Modeling and Simulation of Dynamic Systems, Deformation, Stress, Vibration and Noise Analysis

### Academic Titles / Tasks

Assistant Professor, Erzincan Binali Yıldırım University, Deprem Teknolojileri Enstitüsü, Yer Bilimleri Mühendisliği Anabilim Dalı, 2024 - Continues

## Courses

Partial Differential Equations-1, Undergraduate, 2024 - 2025

## Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Relative Locations of Clustered Earthquakes in the Sea of Marmara and States of Local Stresses in the East of the Central Marmara Basin**  
Korkusuz Öztürk Y., Meral Özel N.  
NATURAL HAZARDS, no.20, pp.453-480, 2018 (SCI-Expanded)
- II. **States of local stresses in the Sea of Marmara through the analysis of large numbers of small earthquakes**  
Korkusuz Öztürk Y., Meral Özel N., Özbakir A. D.  
Tectonophysics, vol.665, pp.37-57, 2015 (SCI-Expanded)

## Other Publications

- I. **6 February 2023 Kahramanmaraş, Turkey Earthquakes: Microtremor Measurement, Extensive Field Survey on Seismic Intensity and Structural Damage Correlations to Develop the New Intensity Formula for the Region**  
Meral Özel N., Mori S., Murakami H., Koyama M., Kepekçi D., Polat G., Korkusuz Öztürk Y., Yotsui S., Goto H., Osato S., et al.  
Presentation, pp.1, 2024
- II. **Dynamic Effects on the Slip Distribution of the 2023 Kahramanmaraş Earthquake**  
Meral Özel N., Korkusuz Öztürk Y., Konca A. Ö., Ampuero J., Oral E.  
Presentation, pp.1, 2024
- III. **Possible 3D Dynamic Rupture Models for the Mw7.8 Kahramanmaraş Earthquake**  
Korkusuz Öztürk Y., Meral Özel N., Konca A. Ö.  
Presentation, pp.1, 2023
- IV. **6 Şubat 2023 Kahramanmaraş Mw7.8 Depremi Kompleks Dinamiği**  
Korkusuz Öztürk Y., Meral Özel N., Konca A. Ö.  
Presentation, pp.29, 2023
- V. **Seismic Strain Accumulation and Estimation of Stress Distribution on the Main Marmara Fault**  
Korkusuz Öztürk Y., Konca A. Ö., Meral Özel N.  
Presentation, pp.1, 2023
- VI. **Preliminary Results of Dynamic Rupture Simulations of the Mw7.8 Kahramanmaraş Earthquake**  
Korkusuz Öztürk Y., Meral Özel N., Ampuero J., Oral E.  
Presentation, pp.1, 2023
- VII. **Marmara Denizi'nde Üç Boyutlu Dinamik Deprem Kırılması Modellemeleri**  
Korkusuz Öztürk Y., Konca A. Ö., Meral Özel N.  
Presentation, pp.7, 2021
- VIII. **3D Dynamic Earthquake Rupture Simulations in the Sea of Marmara**  
Korkusuz Öztürk Y., Meral Özel N., Konca A. Ö.  
Presentation, pp.1, 2021
- IX. **3D Dynamic Earthquake Rupture Simulations In The Sea Of Marmara**  
Korkusuz Öztürk Y., Meral Özel N., Konca A. Ö.  
Presentation, pp.1, 2021
- X. **Relation of seismicity and interseismic strain accumulation along the North Anatolian Fault in the Marmara Region**

Konca A. Ö., Yılmaz Z., Korkusuz Öztürk Y., Ergintav S., Doğan U., Karabulut H.  
Presentation, pp.31, 2019

- XI. **Science and education: Keys to the CTBT and nuclear disarmament**  
Korkusuz Öztürk Y.  
Experiment, pp.24-25, 2018
- XII. **Preliminary Results from 3D Dynamic Earthquake Fracture Simulations in the Sea of Marmara**  
Korkusuz Öztürk Y., Meral Özel N., Konca A. Ö.  
Presentation, pp.1, 2018
- XIII. **States of Local Stresses and Relative Locations of Small Earthquakes in the Sea of Marmara**  
Korkusuz Öztürk Y.  
Presentation, pp.1, 2017
- XIV. **Marmara Bölgesi'ndeki Lokal Stres Yapıları ve HYPODD Lokasyon Analizleri**  
Korkusuz Öztürk Y., Meral Özel N.  
Presentation, pp.19, 2016
- XV. **3D Dynamic Earthquake Fracture Simulation (Test Case)**  
Korkusuz Öztürk Y., Meral Özel N., Ando R.  
Presentation, pp.1, 2016
- XVI. **HYPODD Relocations and Stress Tensor Inversion Analyses of Local Earthquake Clusters in the Sea of Marmara**  
Korkusuz Öztürk Y., Meral Özel N.  
Presentation, pp.1, 2016
- XVII. **The Active Stress Structures in the Marmara Region**  
Korkusuz Öztürk Y., Meral Özel N.  
Presentation, pp.1, 2014
- XVIII. **The Present Day Stress States in the Western Marmara Sea**  
Korkusuz Öztürk Y., Meral Özel N.  
Presentation, pp.1, 2013
- XIX. **THE PRESENT DAY STRESS STATES IN THE MARMARA REGION**  
Korkusuz Öztürk Y., Meral Özel N.  
Presentation, pp.1, 2013
- XX. **The Present Day Stress States in the Marmara Region**  
Korkusuz Öztürk Y., Meral Özel N.  
Presentation, pp.1, 2013
- XXI. **MARMARA BÖLGESİNİN GÜNCEL STRES DURUMU**  
Korkusuz Öztürk Y., Meral Özel N.  
Presentation, pp.11, 2012
- XXII. **Ganos Kıyısı'nın Güncel Stres Durumu**  
Korkusuz Öztürk Y., Meral Özel N.  
Presentation, pp.178-188, 2012
- XXIII. **Focal Mechanism Solutions and Stress Tensors in the North Western Region of Turkey**  
Korkusuz Öztürk Y., Meral Özel N., Tan O., Pinar A.  
Presentation, pp.1, 2011
- XXIV. **Discrimination of Fault Planes from Auxiliary Planes using Large Number of P-wave first motion Polarities in Yalova Cluster**  
Korkusuz Öztürk Y., Meral Özel N., Tan O.  
Presentation, pp.100, 2011
- XXV. **Recent Stress Regimes in the Marmara Region, Turkey**  
Korkusuz Öztürk Y., Meral Özel N.  
Presentation, pp.1, 2011
- XXVI. **Disaster Risk Reduction in Turkey**  
Meral Özel N., Korkusuz Öztürk Y., Erdik M.

Presentation, pp.199-220, 2010

## **Memberships / Tasks in Scientific Organizations**

Comprehensive Nuclear Test Ban Treaty Organization Youth Group, Member, 2017 - Continues, Austria

## **Metrics**

Publication: 29

Citation (Scopus): 8

H-Index (Scopus): 1

## **Awards**

Korkusuz Öztürk Y., The Best Poster Presentation Award, Ctbto Science And Technology Conference 2017, June 2017

Korkusuz Öztürk Y., The Best Oral Presentation Award, Anas Institute Of Geology, October 2011

## **Non Academic Experience**

Special Research Center, Kandilli Observatory and Earthquake Research Institute, Disaster Preparedness Unit