

Assoc. Prof. Murat Serdar KIRÇIL

Personal Information

Office Phone: [+90 212 383 5204](tel:+902123835204)

Fax Phone: [+90 212 383 5133](tel:+902123835133)

Email: kircil@yildiz.edu.tr

Web: <https://avesis.yildiz.edu.tr/kircil>

Address: Yıldız Teknik Üniversitesi, Davutpaşa Kampüsü İnşaat Fakültesi, İnşaat Mühendisliği Bölümü 1-024 34220 Esenler / İstanbul

Education Information

Doctorate, Yıldız Technical University, Fen Bilimleri, İnşaat Müh., Turkey 1998 - 2005

Yıldız Technical University, Fen Bilimleri, İnşaat Müh., Turkey 1995 - 1998

Undergraduate, Yıldız Technical University, Faculty Of Civil Engineering, İnşaat Müh., Turkey 1990 - 1994

Research Areas

Civil Engineering, Structure, Structural Engineering, Performance of Constructed Facilities, Earthquake Engineering, Concrete Structures, Engineering and Technology

Academic Titles / Tasks

Associate Professor, Yıldız Technical University, Faculty Of Civil Engineering, Civil Engineering Department, 2014 - Continues

Assistant Professor, Yıldız Technical University, Faculty Of Civil Engineering, Civil Engineering Department, 2006 - 2014

Research Assistant, Yıldız Technical University, Faculty Of Civil Engineering, Civil Engineering Department, 1995 - 2006

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Examination of the Efficiency of Retrofitting Methods through Fragility Analysis**
Kırçıl M. S., Kocabey E.
TEKNIK DERGI, vol.30, no.4, pp.9243-9260, 2019 (SCI-Expanded)
- II. **Inelastic Displacement Ratios for Evaluation of Degrading Peak - Oriented SDOF Systems**
Börekçi M., Kırçıl M. S., Ekiz I.
PERIODICA POLYTECHNICA-CIVIL ENGINEERING, vol.62, pp.33-47, 2018 (SCI-Expanded)
- III. **Collapse period of degrading SDOF systems**
Börekçi M., Kırçıl M. S., Ekiz I.
EARTHQUAKE ENGINEERING AND ENGINEERING VIBRATION, vol.13, pp.681-694, 2014 (SCI-Expanded)
- IV. **Determination of the Flexural Damage Curvature Capacity of R/C Columns**
Aydemir C., KIRÇIL M. S., Hancıoğlu B., Zorbozan M.
TEKNIK DERGI, vol.22, no.4, pp.5613-5642, 2011 (SCI-Expanded)
- V. **Fragility analysis of R/C frame buildings based on different types of hysteretic model**
Börekçi M., Kırçıl M. S.

STRUCTURAL ENGINEERING AND MECHANICS, vol.39, pp.795-812, 2011 (SCI-Expanded)

VI. Fragility analysis of mid-rise R/C frame buildings

Kırçıl M. S., Polat Z.

ENGINEERING STRUCTURES, vol.28, no.9, pp.1335-1345, 2006 (SCI-Expanded)

Articles Published in Other Journals

I. Assessment of Collapse Potential of Degrading SDOF Systems

Börekçi M., Kırçıl M. S.

International Journal of Civil and Environmental Engineering, vol.9, pp.468-472, 2015 (Peer-Reviewed Journal)

II. EVALUATION OF INELASTIC DISPLACEMENT RATIOS OF BILINEAR SDOF SYSTEMS

Börekçi M., Kırçıl M. S., Ekiz İ.

SIGMA JOURNAL OF ENGINEERING AND NATURAL SCIENCES, vol.2014, no.32, pp.189-199, 2014 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

I. Dayanım ve Rijitlik Azalmasının TSD Sistemlerin Elastik Ötesi Yerdeğiştirme Sabiti Üzerine Etkisi

KIRÇIL M. S., EKİZ İ.

8. Ulusal Deprem Mühendisliği Konferansı, 01 May 2015

II. Effectiveness of FRP Strengthening on Earthquake Performance of a RC Infilled Frame Structure

KIRÇIL M. S., BÖREKÇİ M., KESKİN R. S. O.

Recent Advances in Earthquake Engineering and Structural Dynamics, Vienna, 01 August 2013

III. Seismic Performance Evaluation of A Post-Tensioned Frame Building

KIRÇIL M. S., ULUSOY S. İ.

4th International Conference on Computational Methods in Structural Dynamics & Earthquake Engineering, Cos, 01 June 2013

IV. Estimation of Characteristic Period for Energy Based Seismic Design

POLAT Z., KIRÇIL M. S.

The 2008 Seismic Engineering International Conference commemorating the 1908 Messina and Reggio Calabria Earthquake (MERCEA'08), Reggio Calabria & Messina, 01 August 2008

V. Betonarme Kolonlarda Performans Değerlendirmesi için Analitik Bir İrdeleme

AYDEMİR C., KIRÇIL M. S.

7.Uluslararası İnşaat Mühendisliğinde Gelişmeler Konferansı, İstanbul, 01 October 2006

VI. Fragility Analysis of R/C Frames on Firm Sites

KIRÇIL M. S., HANCIOĞLU B.

8th US National Conference on Earthquake Engineering, San Francisco, 01 April 2006

VII. Seismic Rehabilitation: A Case Study

KIRÇIL M. S., HANCIOĞLU B., POLAT Z.

International Conference on Concrete Repair, Rehabilitation and Retrofitting, Cape Town, 01 October 2005

VIII. Mevcut Taşıyıcı Sistemde Ard-germeli Çerçeveler Eklenerek Güçlendirilmiş Bir Yapının Deprem Güvenliğinin Doğrusal Olmayan Statik Analizle Değerlendirilmesi

KIRÇIL M. S., HANCIOĞLU B., DOYRANLI B.

6.Uluslararası İnşaat Mühendisliğinde Gelişmeler Konferansı, İstanbul, 01 October 2004

IX. Geleneksel Yöntemlerle Güçlendirilmiş Bir Yapının Doğrusal Olmayan Statik Analizle Değerlendirilmesi

KIRÇIL M. S., HANCIOĞLU B., POLAT Z.

5.Ulusal Deprem Mühendisliği Konferansı, İstanbul, 01 May 2003

Supported Projects

Yüzer N., Yardım M. S., Turgut S., Yılmaz Genç S., Dikçınar Sel B., Erdem Okumuş D., Kılıç B., Özarpacı S., Bayrak O. C., Sakarya A., et al, Project Supported by Higher Education Institutions, Şubat 2023 Depremlerinin Bölgede Oluşturduğu Etkiler ve Yapay Zeka ile Afet Yönetim Planlaması, 2023 - 2024

KIRÇIL M. S., Project Supported by Higher Education Institutions, Betonarme Yüksek Bir Yapıda Hasar Olasılığının Belirlenmesi, 2014 - 2014

Memberships / Tasks in Scientific Organizations

İnşaat Mühendisleri Odası İstanbul Şubesi, Board Member, 2014 - Continues

Deprem Mühendisliği Türk Milli Komitesi, Member, 2008 - Continues

İnşaat Mühendisleri Odası İstanbul Şubesi, Board Member, 1998 - 2000

Scientific Refereeing

Engineering Structures, SCI Journal, Continues

Earthquake Engineering and Engineering Vibration, SCI Journal, Continues

Structural Engineering and Mechanics, SCI Journal, Continues

Metrics

Publication: 18

Citation (WoS): 111

Citation (Scopus): 182

H-Index (WoS): 3

H-Index (Scopus): 4