

## Assoc. Prof. Murat Serdar KIRÇIL

### Personal Information

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### 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

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

- 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 (Journal Indexed in SCI)
- 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 (Journal Indexed in SCI)
- 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 (Journal Indexed in SCI)
- IV. **Determination of the Flexural Damage Curvature Capacity of R/C Columns**  
Aydemir C., KIRÇIL M. S. , Hancioglu B., Zorbozan M.  
TEKNIK DERGI, vol.22, no.4, pp.5613-5642, 2011 (Journal Indexed in SCI)
- 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 (Journal Indexed in SCI)

## 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 (Journal Indexed in SCI)

## 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 (Refereed Journals of Other Institutions)

### 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.32, no.2, pp.189-199, 2014 (National Refreed University 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 Çerçevesiz Eklenecek 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**

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

## **Citations**

Total Citations (WOS):109

h-index (WOS):3