

Asst. Prof. Rasim TEMÜR

Personal Information

Office Phone: [+90 212 473 7070](tel:+902124737070) Extension: 17938

Email: temur@istanbul.edu.tr

Web: <http://www.rasimtemur.com>

Address: İstanbul Üniversitesi, İnşaat Mühendisliği Bölümü, 34320, Avcılar-İstanbul

Education Information

Doctorate, Istanbul University, Institute of Graduate Studies In Sciences, İnşaat Mühendisliği Anabilim Dalı, Turkey 2006 - 2012

Postgraduate, Istanbul University, Institute of Graduate Studies In Sciences, İnşaat Mühendisliği Anabilim Dalı, Turkey 2003 - 2006

Undergraduate, Istanbul University, Mühendislik Fakültesi, İnşaat Mühendisliği Bölümü, Turkey 1998 - 2003

Dissertations

Doctorate, Bina Türü Yapı Sistemlerinin Analizi Üzerine Düzleminde Rijit Döşeme ve Sınır Şartları ile İlgili Varsayımların Etkisi, Istanbul University, Institute of Graduate Studies In Sciences, İnşaat Mühendisliği Anabilim Dalı, 2012

Postgraduate, Hızlı Durum Tespit (DURTES) Yöntemi ve Bilgisayar Programının Geliştirilmesi, Istanbul University, Institute of Graduate Studies In Sciences, İnşaat Mühendisliği Anabilim Dalı, 2006

Research Areas

Civil Engineering, Mechanical, Structural Mechanics, Structure, Structural Engineering, Engineering and Technology

Academic Titles / Tasks

Assistant Professor, Istanbul University, Mühendislik Fakültesi, İnşaat Mühendisliği Bölümü, 2018 - Continues

Research Assistant PhD, Istanbul University, Mühendislik Fakültesi, İnşaat Mühendisliği Bölümü, 2012 - 2018

Research Assistant, Istanbul University, Mühendislik Fakültesi, İnşaat Mühendisliği Bölümü, 2006 - 2012

Research Assistant, Istanbul University, Mühendislik Fakültesi, Endüstri Mühendisliği Bölümü, 2004 - 2006

Courses

İnşaat Mühendisliğinde Statik, Undergraduate, 2018 - 2019

Mukavemet I, Undergraduate, 2018 - 2019

Bitirme Projesi I, Undergraduate, 2018 - 2019

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Investigation of cross-sectional dimension on optimum carbon fiber reinforced polymer design for shear capacity increase of reinforced concrete beams**
Kayabekir A. E., BEKDAŞ G., NİGDELİ S. M., TEMÜR R.
International Journal of Theoretical and Applied Mechanics, pp.87-92, 2018 (SCI-Expanded)
- II. **Resource Constrained Project Scheduling by Harmony Search Algorithm**
Giran O., Temur R., Bekdas G.
KSCE JOURNAL OF CIVIL ENGINEERING, vol.21, no.2, pp.479-487, 2017 (SCI-Expanded)
- III. **Computation of Nonunique Solutions for Trusses Undergoing Large Deflections**
Toklu Y. C., Temur R., Bekdas G.
INTERNATIONAL JOURNAL OF COMPUTATIONAL METHODS, vol.12, no.3, 2015 (SCI-Expanded)
- IV. **Analysis of trusses by total potential optimization method coupled with harmony search**
Toklu Y. C., Bekdas G., Temur R.
STRUCTURAL ENGINEERING AND MECHANICS, vol.45, no.2, pp.183-199, 2013 (SCI-Expanded)

Articles Published in Other Journals

- I. **Optimization of Pile Groups Under Vertical Loads Using Grey Wolf Optimizer**
Temur R., Oser C.
JOURNAL OF POLYTECHNIC-POLITEKNİK DERGİSİ, vol.22, no.1, pp.19-32, 2019 (ESCI)
- II. **Betonarme konsol istinat duvarlarının optimum tasarımı**
TEMÜR R., BEKDAŞ G.
Pamukkale Üniversitesi Mühendislik Bilimleri Dergisi, vol.24, no.6, pp.1043-1050, 2018 (Peer-Reviewed Journal)
- III. **Düşey Yük Etkisi Altındaki Kazık Gruplarının Bozkurt Optimizasyon Algoritması ile Optimizasyonu**
TEMÜR R., ÖSER C.
POLİTEKNİK DERGİSİ, vol.21, no.3, 2018 (Peer-Reviewed Journal)
- IV. **Optimum design of reinforced concrete cantilever retaining walls**
Temur R., Bekdas G.
PAMUKKALE UNIVERSITY JOURNAL OF ENGINEERING SCIENCES-PAMUKKALE UNIVERSİTESİ MUHENDİSLİK BİLİMLERİ DERGİSİ, vol.24, no.6, pp.1043-1050, 2018 (ESCI)
- V. **Metaheuristic approaches for optimum design of cantilever reinforced concrete retaining walls**
BEKDAŞ G., TEMÜR R.
CHALLENGE JOURNAL OF STRUCTURAL MECHANICS, vol.3, no.1, pp.23-30, 2017 (Peer-Reviewed Journal)
- VI. **Total potential energy minimization method in structural analysis considering material nonlinearity**
TEMÜR R., BEKDAŞ G., Toklu Y. C.
CHALLENGE JOURNAL OF STRUCTURAL MECHANICS, vol.3, no.3, pp.129-133, 2017 (Peer-Reviewed Journal)
- VII. **Statik ve Dinamik Yükler Altındaki İstinat Duvarlarının Optimum Tasarımı**
Kayabekir A. E., BEKDAŞ G., NİGDELİ S. M., TEMÜR R.
Engineering Sciences, vol.12, no.1, pp.46-56, 2017 (Peer-Reviewed Journal)
- VIII. **Damages and causes on the structures during the October 23, 2011 Van earthquake in Turkey**
Damci E., Temur R., Bekdaş G., Sayin B.
Case Studies in Construction Materials, vol.3, pp.112-131, 2015 (Scopus)
- IX. **Damages and causes on the structures during the October 23, 2011 Van earthquake in Turkey**
DAMCI E., TEMÜR R., BEKDAŞ G., Sayin B.
Case Studies in Construction Materials, vol.3, pp.112-131, 2015 (Scopus)
- X. **Rijit Döşeme Varsayımının Perde Duvarlarda Oluşan Kesme Kuvvetlerine Etkisi**
TEMÜR R., ÖZTORUN N. K.
PAMUKKALE ÜNİVERSİTESİ MÜHENDİSLİK BİLİMLERİ DERGİSİ, vol.21, no.3, pp.72-81, 2015 (Peer-Reviewed Journal)
- XI. **EFFECTS OF THE ASSUMPTION ABOUT RIGID FLOOR DIAPHRAGM ON THE SHEAR ALONG THE SHEAR WALLS**

Books & Book Chapters

- I. **Optimum Design of Reinforced Concrete Retaining Walls**
TEMÜR R., BEKDAŞ G.
in: Handbook of Research on Predictive Modeling and Optimization Methods in Science and Engineering, Kim D, Roy SS, Lämsivaara T, Deo R, Samui P, Editor, IGI Global Publications, Pennsylvania, pp.360-378, 2018
- II. **Optimization of Pile Groups Under Vertical Loads Using Metaheuristic Algorithms**
ÖSER C., TEMÜR R.
in: Handbook of Research on Predictive Modeling and Optimization Methods in Science and Engineering, Kim D, Roy SS, Lämsivaara T, Deo R, Samui P, Editor, IGI Global Publications, Pennsylvania, pp.276-298, 2018
- III. **Optimization of Pile Groups Under Vertical Loads Using Metaheuristic Algorithms**
ÖSER C., TEMÜR R.
in: Handbook of Research on Predictive Modeling and Optimization Methods in Science and Engineering, Kim D, Roy SS, Lämsivaara T, Deo R, Samui P, Editor, IGI Global Publications, Pennsylvania, pp.276-298, 2018
- IV. **Optimization of Pile Groups Under Vertical Loads Using Metaheuristic Algorithms**
ÖSER C., TEMÜR R.
in: Handbook of Research on Predictive Modeling and Optimization Methods in Science and Engineering, Kim D, Roy SS, Lämsivaara T, Deo R, Samui P, Editor, IGI Global Publications, Pennsylvania, pp.276-298, 2018
- V. **GEOMETRICALLY NONLINEAR ANALYSIS OF TRUSSES USING PARTICLE SWARM OPTIMIZATION**
TEMÜR R., TÜRKAN Y. S., Toklu Y. C.
in: Recent Advances in Swarm Intelligence and Evolutionary - Studies in Computational Intelligence, Xin-She Yang, Editor, Springer, Zurih, pp.283-300, 2015
- VI. **GEOMETRICALLY NONLINEAR ANALYSIS OF TRUSSES USING PARTICLE SWARM OPTIMIZATION**
TEMÜR R., TÜRKAN Y. S., Toklu Y. C.
in: Recent Advances in Swarm Intelligence and Evolutionary - Studies in Computational Intelligence, Xin-She Yang, Editor, Springer, Zurih, pp.283-300, 2015
- VII. **Geometrically Nonlinear Analysis of Trusses Using Particle Swarm Optimization**
TEMÜR R., TÜRKAN Y. S., Toklu Y. C.
in: Recent Advances in Swarm Intelligence and Evolutionary Computation, Yang X.S., Editor, Springer International Publishing, Zurih, pp.283-300, 2015

Refereed Congress / Symposium Publications in Proceedings

- I. **Doğrusal Olmayan İzolasyon Sistemlerinin Uzak-Fay Depremleri Altındaki Öğretme-Öğrenme Tabanlı Optimizasyonu**
ÖNCÜ DAVAS S., TEMÜR R., ALHAN C.
21. Ulusal Mekanik Kongresi, Niğde, Turkey, 2 - 06 September 2019, pp.1-8
- II. **. Investigation of cross-sectional dimension on optimum carbon fiber reinforced polymer design for shear capacity increase of reinforced concrete beams**
Kayabekir A. E., BEKDAŞ G., NİGDELİ S. M., TEMÜR R.
7th International Conference on Applied and Computational Mathematics (ICACM '18), Roma, Italy, 23 - 25 November 2018
- III. **Grey Wolf Optimizer Based Design of Reinforced Concrete Retaining Walls Considering Shear Key**
TEMÜR R., Kayabekir A. E., BEKDAŞ G., NİGDELİ S. M.
7th International Conference on Applied and Computational Mathematics (ICACM '18), Roma, Italy, 23 - 25

November 2018

- IV. **Metaheuristic methods in structural engineering benchmark problems: the weight optimization of cantilever beams**
BEKDAŞ G., Kayabekir A. E., NİGDELİ S. M., TEMÜR R.
9th GRACM 2018 International Congress on Computational Mechanic, Girit, Greece, 4 - 06 June 2018
- V. **Grey Wolf Optimizer for Optimum Design of Reinforced Concrete Cantilever Retaining Walls**
Bekdas G., Temur R.
International Conference of Numerical Analysis and Applied Mathematics (ICNAAM), Thessaloniki, Greece, 25 - 30 September 2017, vol.1978
- VI. **Grey Wolf Optimizer for Optimum Design of Reinforced Concrete Cantilever Retaining Walls**
BEKDAŞ G., TEMÜR R.
15th International Conference of Numerical Analysis and Applied Mathematics, Selanik, Greece, 25 - 30 September 2017
- VII. **Restricted Optimum Design of Reinforced Concrete Retaining Walls**
BEKDAŞ G., NİGDELİ S. M., TEMÜR R., Kayabekir A. E.
7th European Conference of Civil Engineering (ECCIE '16), Bern, Switzerland, 17 - 19 December 2016
- VIII. **Total Potential Energy Minimization Method Considering Material Nonlinearity**
TEMÜR R., BEKDAŞ G., Toklu Y. C.
12th International Congress on Advances in Civil Engineering, İstanbul, Turkey, 21 - 23 September 2016, pp.1-8
- IX. **Metaheuristic Approaches For Optimum Design Of Cantilever Reinforced Concrete Retaining Wall**
BEKDAŞ G., TEMÜR R.
12th International Congress on Advances in Civil Engineering, İstanbul, Turkey, 21 - 23 September 2016, pp.1-8
- X. **An Empirical Formula for Estimating Bioretention Outflow Rate**
GÜLBAZ S., KAZEZYILMAZ ALHAN C. M., TEMÜR R.
4th IWA International Symposium on Water and Wastewater Technologies in Ancient Civilizations, Coimbra, Portugal, 17 - 19 September 2016, pp.1-4
- XI. **Optimum design of retaining walls under static and dynamic loads**
Kayabekir A. E., BEKDAŞ G., NİGDELİ S. M., TEMÜR R.
International Science Symposium (ISS2016), İstanbul, Turkey, 1 - 04 September 2016, pp.1-10
- XII. **Investigation of thermal effects on analyses of truss structures via metaheuristic approaches**
Toklu Y. C., BEKDAŞ G., TEMÜR R.
6th European Conference of Civil Engineering, Budapeşte, Hungary, 12 - 14 December 2015, pp.99-105
- XIII. **Teaching learning based optimization algorithm for analyses of trusses considering elastoplastic behavior**
Toklu Y. C., TEMÜR R., BEKDAŞ G.
6th European Conference of Civil Engineering, Budapeşte, Hungary, 12 - 14 December 2015, pp.81-85
- XIV. **Optimum Design of Cantilever Reinforced Concrete Retaining Wall Using Teaching Learning Based Optimization Algorithm**
BEKDAŞ G., TEMÜR R.
3rd International Conference on Optimization Techniques in Engineering (OTENG '15), Roma, Italy, 7 - 10 November 2015, pp.1-5
- XV. **Analyses of Truss Structures via Total Potential Optimization Implemented with Teaching Learning Based Optimization Algorithm**
TEMÜR R., BEKDAŞ G., Toklu Y. C.
3rd International Conference on Optimization Techniques in Engineering (OTENG '15), Roma, Italy, 7 - 10 November 2015, pp.1-6
- XVI. **Investigating the Behavior of the Truss Structures with Unilateral Boundary Conditions**
TEMÜR R., BEKDAŞ G., Türkan Y. S., Toklu Y. C.
5th European Conference of Civil Engineering (ECCIE '14), Floransa, Italy, 22 - 24 November 2014
- XVII. **Analyses of Truss Structures under Thermal Effects**
BEKDAŞ G., TEMÜR R., Toklu Y. C.

5th European Conference of Civil Engineering (ECCIE '14), Floransa, Italy, 22 - 24 November 2014

- XVIII. **Total Potential Energy Optimization Method Analyses of Trusses Structures Considering the Elasto-Plastic Behavior**

BEKDAŞ G., TEMÜR R., Toklu Y. C.

11th International Congress on Advances in Civil Engineering, İstanbul, Turkey, 21 - 25 October 2014

- XIX. **Analysis of Cable Structures through Total Potential Optimization using Meta-heuristic Algorithms**

TEMÜR R., BEKDAŞ G., Toklu Y. C.

11th International Congress on Advances in Civil Engineering, İstanbul, Turkey, 21 - 25 October 2014

- XX. **The Study Of Rapid Analysis Technique Considering Hospital Buildings On Urbanised Locations**

TEMÜR R., YILDIZLAR B., DAMCI E., ÖZTORUN N. K.

International Civil Engineering & Architecture Symposium for Academicians 2014, Antalya, Turkey, 17 - 20 May 2014, pp.423-430

- XXI. **Investigating Behaviour of Zero Force Members in Nonlinear Truss Analysis**

TEMÜR R., BEKDAŞ G., TÜRKAN Y. S., Toklu Y. C.

15th Workshop of the EURO Working Group EU/ME: The Metaheuristic Community, İstanbul, Turkey, 24 - 25 March 2014, vol.1, pp.153-156

- XXII. **Analysis of Structures with Unilateral Boundary Conditions**

BEKDAŞ G., TEMÜR R., Toklu Y. C.

15th EU/ME Workshop: Metaheuristic and Engineering, İstanbul, Turkey, 24 - 25 March 2014

- XXIII. **Behaviour of Zero Force Members in Nonlinear Truss Analysis**

TEMÜR R., BEKDAŞ G., Toklu Y. C., Tırkan Y. S.

15th EU/ME Workshop: Metaheuristic and Engineering, İstanbul, Turkey, 24 - 25 March 2014

- XXIV. **İstanbul Üniversitesi Çapa Yerleşkesi Hızlı Durum Tespit Çalışması**

TEMÜR R., YILDIZLAR B., DAMCI E., ÖZTORUN N. K.

3. Yapı Denetimi Sempozyumu, Diyarbakır, Turkey

- XXV. **İstanbul Üniversitesi Cerrahpaşa Yerleşkesi Hızlı Durum Tespit Çalışması**

TEMÜR R., YILDIZLAR B., DAMCI E., ÖZTORUN N. K.

2. Türkiye Deprem Mühendisliği ve Sismoloji Konferansı, Hatay, Turkey

- XXVI. **Nonlinear Analysis of Structures by Total Potential Optimization using Meta-heuristic Algorithms (TPO/MA)**

Toklu Y. C., BEKDAŞ G., TEMÜR R., Toklu Ş., Uzun F.

20th International Workshop: Intelligent Computing in Engineering 2013, Austria, 1 - 04 July 2013

- XXVII. **Ulaştırma Talep Tahmin Modellerinde Harmoni Arama Yöntemi Uygulaması**

TEMÜR R., TANRIVERDİ S. C.

International Science and Technology Conference 2013, Italy, pp.365-372

- XXVIII. **Geliştirilmiş Hızlı Durum Tespit Yöntemi**

TEMÜR R.

Yapısal Onarım ve Güçlendirme Sempozyumu, Denizli, Turkey, 1 - 04 December 2006, pp.117-120

- XXIX. **Hızlı Durum Tespit (DURTES) Yöntemi Yazılımının Geliştirilmesi**

TEMÜR R., ÖZTORUN N. K.

II. Mühendislik Bilimleri Genç Araştırmacılar Kongresi, İstanbul, Turkey

- XXX. **Mevcut Yapıların Risk Analizinde Bulanık Mantık Uygulaması**

MANİSALI E., TEMÜR R.

YA/EM 2005 Yöneylem Araştırması ve Endüstri Mühendisliği XXV.Ulusal Kongresi, İstanbul, Turkey, 4 - 06 July 2005, pp.1

- XXXI. **Yapıların Hızlı Durum Tespiti İçin Geliştirilen Uzman Bilgisayar Programı DURTES ile Genel Amaçlı Sonlu Eleman Programlarının Entegrasyonu**

TEMÜR R., ÖZTORUN N. K.

Türkiye İnşaat Mühendisliği XVII. Teknik Kongre ve Sergisi, İstanbul, Turkey

- XXXII. **İ.Ü. Cerrahpaşa Tıp Fakültesi Eğitim Hastanesi A3 Bloğu Ön İncelemesi**

BEKDAŞ G., TEMÜR R., Şahan S., Çavuş K., Özcan H., Şener E., Deniz K., Yıldızlar B., Gürsoy G., ÖZTORUN N. K., et al.

Scientific Refereeing

Predictive Modeling and Optimization Methods in Science and Engineering, Scientific / Professional Book Published by Renowned Publishing Houses, August 2017

International Journal of Civil Engineering, SCI Journal, February 2017

Periodica Polytechnica Civil Engineering, SCI Journal, January 2017

International Journal of Civil Engineering, SCI Journal, June 2016

Advances in Structural Engineering, SCI Journal, February 2016

Advances in Structural Engineering, SCI Journal, December 2015

Advances in Structural Engineering, SCI Journal, November 2015

Engineering Optimization, SCI Journal, October 2013

International Journal of Civil Engineering, SCI Journal, July 2013

Engineering Optimization, SCI Journal, February 2013

Engineering Optimization, SCI Journal, September 2012

Metrics

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H-Index (Scopus): 3