

Prof. HASAN MURAT TANARSLAN

Personal Information

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International Researcher IDs

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Publons / Web Of Science ResearcherID: A-1345-2018

ScopusID: 24512593100

Yoksis Researcher ID: 105046

Education

Doctorate, Dokuz Eylul University, Fen Bilimleri Enstitüsü, Yapı (Dr), Turkey 2000 - 2007

Postgraduate, Dokuz Eylul University, Fen Bilimleri Enstitüsü, Yapı (Yl) (Tezli), Turkey 1996 - 2000

Undergraduate, Dokuz Eylul University, Mühendislik Fakültesi, İnşaat Mühendisliği Bölümü, Turkey 1993 - 1996

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, CFRP şeritlerle kesmeye karşı güçlendirilmiş betonarme kirişlerin tersinir-tekrarlı yükler altında davranışı, Dokuz Eylul University, Fen Bilimleri Enstitüsü, Yapı (Dr), 2007

Postgraduate, Çok katlı yapılarda burulma düzensizliğinin sürekli burulma çubuğu analojisi ile incelenmesi, Dokuz Eylul University, Fen Bilimleri Enstitüsü, Yapı (Yl) (Tezli), 1999

Research Areas

Civil Engineering

Academic Positions

Professor, Dokuz Eylul University, Mühendislik Fakültesi, İnşaat Mühendisliği Bölümü, 2019 - Continues

Associate Professor, Dokuz Eylul University, Mühendislik Fakültesi, İnşaat Mühendisliği Bölümü, 2013 - 2019

Research Assistant, Dokuz Eylul University, Mühendislik Fakültesi, İnşaat Mühendisliği Bölümü, 1999 - 2013

Academic and Administrative Experience

Fakülte Yönetim Kurulu Üyesi, Dokuz Eylul University, Mühendislik Fakültesi, 2021 - Continues

Head of Department, Dokuz Eylul University, Mühendislik Fakültesi, İnşaat Mühendisliği Bölümü, 2021 - Continues
Vice Dean, Dokuz Eylul University, Mühendislik Fakültesi, İnşaat Mühendisliği Bölümü, 2021 - Continues
Ethics Committee Member, Dokuz Eylul University, Mühendislik Fakültesi, İnşaat Mühendisliği Bölümü, 2020 - Continues
Director of the Center, Dokuz Eylul University, Mühendislik Fakültesi, İnşaat Mühendisliği Bölümü, 2020 - Continues

Courses

Undergraduate

BETONARME 1, Undergraduate, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017
BETONARME YAPILARIN TASARIMI, Undergraduate, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014
KÖPRÜLER, Undergraduate, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016
BETONARME 2, Undergraduate, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017
BETONARMEDE ÖZEL KONULAR, Undergraduate, 2019 - 2020, 2018 - 2019, 2015 - 2016, 2014 - 2015
Mukavemet 1, Undergraduate, 2017 - 2018
Mukavemet, Undergraduate, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014
Statik, Undergraduate, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015
Yapı Elemanları - İkinci Öğretim, Undergraduate, 2015 - 2016, 2014 - 2015
Yapı Elemanları, Undergraduate, 2015 - 2016, 2014 - 2015
MUKAVEMET-ikinci öğretim, Undergraduate, 2014 - 2015, 2013 - 2014

Supervised Theses

TANARSLAN H. M., Investigating the behavior of shear deficient rc beams strengthened with polymer composites, Postgraduate, M.FURKAN(Student), 2023
TANARSLAN H. M., Lif katkılı yüksek mukavemetli beton ile üretilmiş elemanların eğilme davranışları, Postgraduate, E.ÇOTUR(Student), 2019
TANARSLAN H. M., Investigate the influence of ultra high performance concrete application to the bending behavior of reinforced concrete beams, Postgraduate, E.GÖKÇE(Student), 2019
TANARSLAN H. M., The effect of structural system configuration on the isolated system response, Postgraduate, M.AMMOURI(Student), 2018

Journal articles indexed in SCI, SSCI, and AHCI

- I. **Shear strengthening of RC beams with externally bonded UHPFRC laminates**
TANARSLAN H. M., YALÇINKAYA Ç., ALVER N., Karademir C.
COMPOSITE STRUCTURES, vol.262, 2021 (SCI-Expanded)
- II. **Identifying CFRP strip width influence on fracture of RC beams by acoustic emission**
TAYFUR S., ALVER N., TANARSLAN H. M., ERCAN E.
CONSTRUCTION AND BUILDING MATERIALS, vol.164, pp.864-876, 2018 (SCI-Expanded)
- III. **Flexural strengthening of RC beams with prefabricated ultra high performance fibre reinforced concrete laminates**
Tanarslan H. M.
ENGINEERING STRUCTURES, vol.151, pp.337-348, 2017 (SCI-Expanded)
- IV. **Flexural strengthening of RC beams using UHPFRC laminates: Bonding techniques and rebar addition**
Tanarslan H. M., ALVER N., Jahangiri R., YALÇINKAYA Ç., YAZICI H.
CONSTRUCTION AND BUILDING MATERIALS, vol.155, pp.45-55, 2017 (SCI-Expanded)

- V. **Monitoring Fracture Processes of CFRP-Strengthened RC Beam by Acoustic Emission**
ALVER N., TANARSLAN H. M., TAYFUR S.
JOURNAL OF INFRASTRUCTURE SYSTEMS, vol.23, no.1, 2017 (SCI-Expanded)
- VI. **An anticipated shear design method for reinforced concrete beams strengthened with anchored carbon fiber-reinforced polymer by using neural network**
Tanarslan H. M., Kumanlioglu A., Şakar G.
STRUCTURAL DESIGN OF TALL AND SPECIAL BUILDINGS, vol.24, no.1, pp.19-39, 2015 (SCI-Expanded)
- VII. **Nonlinear behavior of shear deficient RC beams strengthened with near surface mounted glass fiber reinforcement under cyclic loading**
Şakar G., Hawileh R. A., Naser M. Z., Abdalla J. A., Tanarslan M.
MATERIALS & DESIGN, vol.61, pp.16-25, 2014 (SCI-Expanded)
- VIII. **Prestressed CFRP Fabrics for Flexural Strengthening of Concrete Beams with an Easy Prestressing Technique**
Şakar G., Tanarslan H. M.
MECHANICS OF COMPOSITE MATERIALS, vol.50, no.4, pp.537-542, 2014 (SCI-Expanded)
- IX. **Effect of CFRP-spacing on fracture mechanism of CFRP-strengthened reinforced concrete beam identified by AE-SiGMA**
ALVER N., TANARSLAN H. M., Sulun O. Y., ERCAN E., Karcili M., Selman E., Ohno K.
CONSTRUCTION AND BUILDING MATERIALS, vol.67, pp.146-156, 2014 (SCI-Expanded)
- X. **Modeling of nonlinear response of R/C shear deficient t-beam subjected to cyclic loading**
Hawileh R. A., Abdalla J. A., Tanarslan M. H.
COMPUTERS AND CONCRETE, vol.10, no.4, pp.419-434, 2012 (SCI-Expanded)
- XI. **An approach for estimating the capacity of RC beams strengthened in shear with FRP reinforcements using artificial neural networks**
Tanarslan H. M., Secer M., Kumanlioglu A.
CONSTRUCTION AND BUILDING MATERIALS, vol.30, pp.556-568, 2012 (SCI-Expanded)
- XII. **The effects of NSM CFRP reinforcements for improving the shear capacity of RC beams**
Tanarslan H. M.
CONSTRUCTION AND BUILDING MATERIALS, vol.25, no.5, pp.2663-2673, 2011 (SCI-Expanded)
- XIII. **Modeling of nonlinear cyclic response of shear-deficient RC T-beams strengthened with side bonded CFRP fabric strips**
Hawileh R. A., Abdalla J. A., Tanarslan M. H., Naser M. Z.
COMPUTERS AND CONCRETE, vol.8, no.2, pp.193-206, 2011 (SCI-Expanded)
- XIV. **Predicting the Capacity of RC Beams Strengthened in Shear with Side-Bonded FRP Reinforcements Using Artificial Neural Networks**
Tanarslan H. M.
COMPOSITE INTERFACES, vol.18, no.7, pp.587-614, 2011 (SCI-Expanded)
- XV. **Behavior of RC beams strengthened with inclined CFRP strips**
Tanarslan H. M.
JOURNAL OF REINFORCED PLASTICS AND COMPOSITES, vol.29, no.21, pp.3275-3286, 2010 (SCI-Expanded)
- XVI. **Repairing and strengthening of earthquake-damaged RC beams with CFRP strips**
Tanarslan H. M.
MAGAZINE OF CONCRETE RESEARCH, vol.62, no.5, pp.365-378, 2010 (SCI-Expanded)
- XVII. **Behavior of RC T-section beams strengthened with CFRP strips, subjected to cyclic load**
TANARSLAN H. M., ALTIN S.
MATERIALS AND STRUCTURES, vol.43, no.4, pp.529-542, 2010 (SCI-Expanded)
- XVIII. **An experimental study on shear strengthening of RC T-section beams with CFRP plates subjected to cyclic load**
ŞAKAR G., Tanarslan H. M., Alku O. Z.
MAGAZINE OF CONCRETE RESEARCH, vol.61, no.1, pp.43-55, 2009 (SCI-Expanded)
- XIX. **The effects of CFRP strips for improving shear capacity of RC beams**

Articles Published in Other Journals

I. **Farklı Kalınlıkta UYPB Laminelerin Eğilme Kapasitesine Katkısının İncelenmesi**

Sağır E. G., TANARSLAN H. M., JAHANGIRI R., YALÇINKAYA Ç.

Deu Muhendislik Fakultesi Fen ve Muhendislik, vol.21, no.63, pp.1015-1026, 2019 (Peer-Reviewed Journal)

Books

I. **Finite Element Modeling of Shear Deficient RC Beams Strengthened with NSM CFRP rods under Cyclic Loading**

Rami H., Abdalla J. A., M Z N., TANARSLAN H. M.

in: SP 301 Modeling of FRP Strengthening Techniques in Concrete Infrastructure, Riyadh Al-Mahaidi, Editor, American Concrete Institute (ACI), pp.76-93, 2015

Papers Presented at Peer-Reviewed Scientific Conferences

I. **Geleneksel ve Ultra Yüksek Performanslı Beton İçeren Kirişler Üzerine Kıyaslamalı Bir Çalışma**

Çotur E., TANARSLAN H. M., ERTUTAR Y., YALÇINKAYA Ç.

Ulusal Yapı Mekaniği Laboratuvarları 7. Çalıştayı (YMLÇ-7), Konya, Turkey, 4 - 05 October 2019, pp.91-96, (Full Text)

II. **Influence of UHPC laminate application type on fracture behavior of reinforced concrete beams strengthened in flexure**

TAYFUR S., ALVER N., TANARSLAN H. M., JAHANGIRI R.

5th International Conference on Smart Monitoring, Assessment and Rehabilitation of Civil Structures, 27 - 29 August 2019, (Full Text)

III. **Mechanical Behavior of Shear Deficient RC Beams Strengthened with Carbon Fiber Reinforced Polymers**

TAYFUR S., TANARSLAN H. M., ALVER N., ERCAN E.

4th International Ege Composite Materials Symposium (KOMPEGE 2018), 6 - 08 September 2018, (Full Text)

IV. **Failure Behavior of Ultra High Performance Concrete (UHPC) Beam under Four-Point-Bending Identified by Acoustic Emission**

TAYFUR S., ALVER N., TANARSLAN H. M.

DE/NDT for Highway and Bridges: Structural Materials Technology (SMT) and the International Symposium Non-Destructive Testing in Civil Engineering (NDT-CE) Conference, 27 - 29 August 2018, (Full Text)

V. **Eğilme Dayanımı Yetersiz Betonarme Kirişlere Farklı Bağ Yöntemleri ile Uygulanmış UYPB Laminelerin Katkısının Değerlendirilmesi**

Tanarслан H. M., Alver N., Yalçinkaya Ç., Ertutar Y., Şakar G.

Ulusal Yapı Mekaniği Laboratuvarları 6. Toplantısı, Trabzon, Turkey, 17 - 18 November 2017, pp.45-46, (Summary Text)

VI. **Influence of GGBFS on Autogenous Shrinkage and Rheology of UHPC Paste with PCE Based Superplasticizer**

YALÇINKAYA Ç., TANARSLAN H. M., YAZICI H.

Chemical Admixtures on Structures 5th International Symposium and Exhibition, Ankara, Turkey, 19 - 20 October 2017, pp.151-164, (Full Text)

VII. **The Effect of Perforated and Straight Steel Plates Usage for Flexural Strengthening of RC Beams**

TANARSLAN H. M.

International Conference on Composite Structures, 4 - 07 September 2017, (Summary Text)

VIII. **Flexural Strengthening of Deficient Reinforced Concrete Beams by Using Ultra High Performance Concrete (UHPC)**

TANARSLAN H. M., ALVER N., JAHANGIRI R., YALÇINKAYA Ç., YAZICI H.

20th International Conference on Composite Structures, Paris, France, 4 - 07 September 2017, pp.109, (Summary Text)

IX. **Identifying the effect of CFRP application type on behavior of CFRP-strengthened beams by acoustic emission**

ALVER N., TAYFUR S., TANARSLAN H. M.

11th International Workshop on Structural Health Monitoring 2017: Real-Time Material State Awareness and Data-Driven Safety Assurance, IWSHM 2017, California, United States Of America, 12 - 14 September 2017, vol.2, pp.2244-2251, (Full Text)

X. **Effect of CFRP Laminate and or CFRP Bars to the Shear Behavior of Deficient Reinforced Concrete Beams**

TANARSLAN H. M.

102nd International Conference on Civil and Architectural Engineering (ICCAE), 27 - 28 December 2016, (Full Text)

XI. **Effects of Fiber Volume and Curing Condition on the Mechanical Properties of Reactive Powder Concrete**

YALÇINKAYA Ç., JAHANGIRI R., VAHEDI H., TANARSLAN H. M.

12th International Congress on Advances in Civil Engineering, İstanbul, Turkey, 21 - 23 September 2016, (Full Text)

XII. **Fracture mechanism of CFRP-strengthened RC beam identified by AE-SIGMA**

ALVER N., TANARSLAN H. M., SÜLÜN Ö., ERCAN E. S.

6th International Conference on Emerging Technologies in Nondestructive Testing, ETNDT 2016, Brussels, Belgium, 27 - 29 May 2015, pp.185-190, (Full Text)

XIII. **AE Monitoring of CFRP Strengthened RC Beam under Cyclic Loading**

ALVER N., TANARSLAN H. M., TAYFUR S.

International Symposium Non-Destructive Testing in Civil Engineering (NDT-CE), 15 - 17 September 2015, (Full Text)

XIV. **Near Surface Mounted CFRP Composites for Shear Strengthening of RC Beams**

TANARSLAN H. M.

ICENS 2015, 15 - 19 May 2015, (Summary Text)

XV. **GFRP-BETON HİBRİD KÖPRÜ KİRİŞLERİNİN MEKANİK DAVRANIŞININ İNCELENMESİ**

SEÇER M., YALÇINKAYA Ç., TANARSLAN H. M.

Ulusal Yapı Mekaniği Laboratuvarları 5. Toplantısı, Kayseri, Turkey, 29 - 30 May 2015, pp.43-44, (Summary Text)

XVI. **Öngermeli CFRP ile Eğilmeye Karşı Güçlendirilmiş Betonarme Kirişlerin Dayanımı ve Davranışları**

Şakar G., Tanarşlan H. M.

Ulusal Yapı Mekaniği Laboratuvarları 4. Toplantısı, Trabzon, Turkey, 3 - 04 May 2013, pp.11-12, (Full Text)

XVII. **An Experimental Study for Designating the Effect of Inclined CFRP Plate Usage on Shear Behavior**

Tanarşlan H. M., Şakar G.

ULUSLARARASI DEPREM SEMPOZYUMU KOCAELİ 2009, Kocaeli, Turkey, 17 - 19 August 2009, pp.168, (Summary Text)

Funded Projects

Tanarşlan H. M., Yalçinkaya Ç., Seki Y., Sever K., Seki Y., TUBITAK Project, Sürdürülebilir Bir Güçlendirme Yöntemi Olarak Polimer Matrisli Lif Takviyeli Kompozit Laminelerin Geliştirilmesi, 2020 - 2023

Tanarşlan H. M., Alver N., TUBITAK Project, Ultra Yüksek Performanslı Beton Uygulamasının Yetersiz Betonarme

Elemanların Davranışına Katkısının İncelenmesi, 2014 - 2018

Tanarlan H. M., Şakar G., Yalçınkaya Ç., Seçer M., Project Supported by Higher Education Institutions, GFRP-BETON

HİBRİD KÖPRÜ KİRİŞLERİNİN YAPISAL DAVRANIŞININ DEĞERLENDİRİLMESİ, 2014 - 2017

TANARSLAN H. M., TUBITAK Project, Kesmeye Karşı Güçlendirilmiş Betonarme Kirişlerde CFRP ile Beton Arasındaki Kırılma Mekanizmasının AE SiGMA Yöntemi ile Belirlenmesi, 2011 - 2013

Metrics

Publication: 47

Citation (WoS): 431

Citation (Scopus): 536

H-Index (WoS): 11

H-Index (Scopus): 12