

## Prof. Dr. TURGUT TOKDEMİR

### Kişisel Bilgiler

E-posta: [ttok@metu.edu.tr](mailto:ttok@metu.edu.tr)

Web: <https://avesis.metu.edu.tr/ttok>

### Yönetilen Tezler

- TOKDEMİR T., Radar cross section analysis by shooting and Bouncing Rays Method, Doktora, M.KAĞAN(Öğrenci), 2015
- TOKDEMİR T., Optimum design of low-rise steel frames made of cold-formed thin-walled steel sections, Doktora, S.ÇARBAŞ(Öğrenci), 2013
- TOKDEMİR T., Generalized finite difference method in elastodynamics using perfectly matched layer, Doktora, F.KORKUT(Öğrenci), 2012
- TOKDEMİR T., Ultimate load capacity of optimally designed cellular beams, Doktora, F.ERDAL(Öğrenci), 2011
- TOKDEMİR T., Optimum design of rigid and semi-rigid steel sway frames including soil-structure interaction, Doktora, E.DOĞAN(Öğrenci), 2010
- TOKDEMİR T., Optimum design of irregular 3-D steel frames using ant colony optimization and harmony search algorithms, Doktora, İ.AYDOĞDU(Öğrenci), 2010
- TOKDEMİR T., Optimum design of reinforced concrete plane frames using harmony search algorithm, Doktora, A.AKIN(Öğrenci), 2010
- GÜRSES S., TOKDEMİR T., Linear and nonlinear analysis of human postural sway, Yüksek Lisans, H.ÇELİK(Öğrenci), 2008
- ERASLAN A. N., TOKDEMİR T., Generalized finite differences for the solution of one dimensional elastic plastic problems of nonhomogeneous materials, Yüksek Lisans, P.UYGUR(Öğrenci), 2007
- TOKDEMİR T., Investigation of Turkey's carbon dioxide problem by numerical modeling, Doktora, A.CAN(Öğrenci), 2006
- TOKDEMİR T., Lateral load analysis of shear wall-frame structures, Doktora, T.AKIŞ(Öğrenci), 2004
- TOKDEMİR T., Numerical simulation of grouting, Doktora, S.BOZKURT(Öğrenci), 2003
- TOKDEMİR T., Element free galerkin method based on moving least square approximants., Yüksek Lisans, E.Güray(Öğrenci), 2002
- TOKDEMİR T., Biomechanics of porous ceramic implants used in long-bones segmental defect healing, Doktora, C.BALÇIK(Öğrenci), 2002
- TOKDEMİR T., Element free galerkin method based on moving least square approximants, Yüksek Lisans, E.GÜRAY(Öğrenci), 2002
- TOKDEMİR T., Spiralling flow through an eccentric annulus, Yüksek Lisans, T.KUTAY(Öğrenci), 2002
- TOKDEMİR T., Hydraulic transients in closed pipi circuits, Yüksek Lisans, F.İLKAY(Öğrenci), 2000
- TOKDEMİR T., Effect of imperfections on axisymmetric snap-through buckling of shallow spherical shells, Yüksek Lisans, C.Karaman(Öğrenci), 1998
- TOKDEMİR T., A Three dimensional computer graphics approach in engineering problems, Yüksek Lisans, U.GELER(Öğrenci), 1997
- TOKDEMİR T., Effect of dietary selenium and vitamin E on the biomechanical properties of bones and skeletal muscles, Yüksek Lisans, B.BALÇIK(Öğrenci), 1996
- TOKDEMİR T., Effect of dietary selenium and vitamine E on the biomechanical properties of bones and skeletal muscles, Yüksek Lisans, C.Balçık(Öğrenci), 1996
- TOKDEMİR T., Three dimensional finite element modelling of the Erzincan Basin, Yüksek Lisans, A.Hossein(Öğrenci), 1994
- TOKDEMİR T., Three dimensional finite element modelling of Erzincan basin, Yüksek Lisans, A.HOSSEİN(Öğrenci), 1994

## SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **On the use of complex stretching coordinates in generalized finite difference method with applications in inhomogeneous visco-elasto dynamics**  
Korkut F., Mengi Y., TOKDEMİR T.  
ENGINEERING ANALYSIS WITH BOUNDARY ELEMENTS, cilt.134, ss.466-490, 2022 (SCI-Expanded)
- II. **The use of generalized finite difference method in perfectly matched layer analysis**  
Korkut F., TOKDEMİR T., Mengi Y.  
APPLIED MATHEMATICAL MODELLING, cilt.60, ss.127-144, 2018 (SCI-Expanded)
- III. **Modeling of Asymmetric Shear Wall-Frame Building Structures**  
AKIŞ T., TOKDEMİR T., YILMAZ Ç.  
JOURNAL OF ASIAN ARCHITECTURE AND BUILDING ENGINEERING, cilt.8, sa.2, ss.531-538, 2009 (SCI-Expanded)
- IV. **Thermoelastic response of a fin exhibiting elliptic thickness profile: An analytical solution**  
ERASLAN A. N., TOKDEMİR T.  
INTERNATIONAL JOURNAL OF THERMAL SCIENCES, cilt.47, sa.3, ss.274-281, 2008 (SCI-Expanded)
- V. **Early weight bearing of porous HA/TCP (60/40) ceramics in vivo: A longitudinal study in a segmental bone defect model of rabbit**  
Balcık C., Tokdemir T., Senkoğlu A., Koc N., Timucin M., Akin S., Korkusuz P., Korkusuz F.  
ACTA BIOMATERIALIA, cilt.3, sa.6, ss.985-996, 2007 (SCI-Expanded)
- VI. **Unstructured grid generation and a simple triangulation algorithm for arbitrary 2-D geometries using object oriented programming**  
Karamete B., Tokdemir T., Ger M.  
INTERNATIONAL JOURNAL FOR NUMERICAL METHODS IN ENGINEERING, cilt.40, sa.2, ss.251-268, 1997 (SCI-Expanded)
- VII. **EXTENSION OF THE RESIDUAL VARIABLE METHOD TO PROPAGATION PROBLEMS AND ITS APPLICATION TO THE DIFFUSION EQUATION IN SPHERICAL COORDINATES**  
AKKAS N., TOKDEMİR T.  
ACTA MECHANICA, cilt.96, ss.109-118, 1993 (SCI-Expanded)
- VIII. **EXTENSION OF THE RESIDUAL VARIABLE METHOD TO PROPAGATION PROBLEMS AND ITS APPLICATION TO THE WAVE-EQUATION IN CYLINDRICAL COORDINATES**  
AKKAS N., TOKDEMİR T.  
COMPUTERS & STRUCTURES, cilt.44, sa.4, ss.729-734, 1992 (SCI-Expanded)

## Metrikler

Yayın: 8

Atıf (WoS): 81

Atıf (Scopus): 69

H-İndeks (WoS): 3

H-İndeks (Scopus): 2

## Akademi Dışı Deneyim

METU, Professor

METU, Associate Professor (Title)

METU, Assistant Professor

METU, Assistant