Prof. SIDIKA SEREN GÜVEN

Personal Information

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International Researcher IDs
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Publons / Web Of Science ResearcherID: F-7272-2018
Yoksis Researcher ID: 112014

Education Information

Doctorate, Cukurova University, Fen Bilimleri Enstitüsü, İnşaat Müh. Abd, Turkey 1993 - 1999
Postgraduate, Cukurova University, Fen Bilimleri Enstitüsü, İnşaat Müh. Abd, Turkey 1990 - 1993
Undergraduate, Cukurova University, Mühendislik Mimarlık Fakültesi, İnşaat Mühendisliği, Turkey 1986 - 1990

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, İki Elastik Çeyrek Düzlem Üzerine Oturan Elastik Bir Tabakanın Sürtünmesiz Temas Problemi, Cukurova University, Fen Bilimleri Ens., İnşaat Müh. Abd, 1999
Postgraduate, Uçlarında Rijit Bölgeler Bulunan Elastik Bağlı Çubuklardan Oluşan Düzlemsel Çerçevelerin Stabilite Analizi, Cukurova University, Fen Bilimleri Ens., İnşaat Müh. Abd, 1993

Research Areas

Mechanics of Solid Bodies, Civil Engineering, Mechanical, Engineering and Technology

Academic Titles / Tasks

Professor, Cukurova University, Mimarlık Fakültesi, Mimarlık, 2014 - Continues
Assistant Professor, Cukurova University, Mimarlık Fakültesi, Mimarlık, 1999 - 2009
Research Assistant, Cukurova University, Mühendislik Fakültesi, İnşaat Mühendisliği, 1993 - 1999

Academic and Administrative Experience

Head of Department, Cukurova University, Mimarlık Fakültesi, Mimarlık, 2001 - Continues
Member of the Senate, Cukurova University, Mimarlık Fakültesi, Mimarlık, 2017 - 2022
Faculty Board Member, Cukurova University, Mimarlık Fakültesi, Mimarlık, 2018 - 2021

Courses

Undergraduate
MIM 226 Mukavemet, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022
MIM 275 Statik, Undergraduate, 2024 - 2025, 2023 - 2024, 2022 - 2023, 2021 - 2022
MIM 376 Betonarme, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022
MIM 254 Taşıyıcı Sistem Tasarımı, Undergraduate, 2022 - 2023, 2021 - 2022
MIM 342 Yapı Statiği 2, Undergraduate, 2022 - 2023
MIM 248 Depreme Dayanıklı Yapı Tasarımı, Undergraduate, 2022 - 2023, 2021 - 2022
MIM 233 Taşıyıcı Sistem Tasarımı, Undergraduate, 2022 - 2023, 2021 - 2022
MIM 351 Yapı Statiği, Undergraduate, 2022 - 2023, 2021 - 2022
MIM 237 Depreme Dayanıklı Yapı Tasarımı, Undergraduate, 2022 - 2023, 2021 - 2022

Published journal articles indexed by SCI, SSCI, and AHCI

I. **Mechanical behavior of functionally graded sandwich plates on elastic foundation**
Akavci S. S.
COMPOSITES PART B-ENGINEERING, vol.96, pp.136-152, 2016 (SCI-Expanded)

II. **Static and free vibration analysis of functionally graded plates based on a new quasi-3D and 2D shear deformation theories**
Akavci S. S., TANRIKULU A. H.
COMPOSITES PART B-ENGINEERING, vol.83, pp.203-215, 2015 (SCI-Expanded)

III. **Thermal Buckling Analysis of Functionally Graded Plates on an Elastic Foundation According to a Hyperbolic Shear Deformation Theory**
Akavci S. S.
MECHANICS OF COMPOSITE MATERIALS, vol.50, no.2, pp.197-212, 2014 (SCI-Expanded)

IV. **An efficient shear deformation theory for free vibration of functionally graded thick rectangular plates on elastic foundation**
Akavci S. S.
COMPOSITE STRUCTURES, vol.108, pp.667-676, 2014 (SCI-Expanded)

V. **Two new hyperbolic shear displacement models for orthotropic laminated composite plates**
Akavci S. S.
MECHANICS OF COMPOSITE MATERIALS, vol.46, no.2, pp.215-226, 2010 (SCI-Expanded)

VI. **Buckling and free vibration analyses of laminated composite plates by using two new hyperbolic shear-deformation theories**
Akavci S. S., TANRIKULU A. H.
MECHANICS OF COMPOSITE MATERIALS, vol.44, no.2, pp.145-154, 2008 (SCI-Expanded)

VII. **Buckling and free vibration analysis of symmetric and antisymmetric laminated composite plates on an elastic foundation**
Akavci S. S.
JOURNAL OF REINFORCED PLASTICS AND COMPOSITES, vol.26, no.18, pp.1907-1919, 2007 (SCI-Expanded)

VIII. **Nonlinear analysis of semi-rigid frames with rigid end sections**
Akavci S. S.

IRANIAN JOURNAL OF SCIENCE AND TECHNOLOGY TRANSACTION B-ENGINEERING, vol.31, pp.567-571, 2007 (SCI-Expanded)

IX. **The first order shear deformation theory for symmetrically laminated composite plates on elastic foundation**
Akavci S. S., Yerli H. R., Doğan A.
ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING, vol.32, pp.341-348, 2007 (SCI-Expanded)

X. **The First Order Shear Deformation Theory for Symmetrically Laminated Composite Plates on Elastic Foundation**
Güven S. S., Yerli H. R., Doğan A.
Arabian Journal For Science And Engineering, vol.32, no.2, pp.341-348, 2007 (SCI-Expanded)

XI. **Analysis of shear deformable symmetrically laminated composite plates on elastic foundation**
Akavci S. S.
SCIENCE AND ENGINEERING OF COMPOSITE MATERIALS, vol.13, no.2, pp.79-91, 2006 (SCI-Expanded)

XII. **Analysis of thick laminated composite plates on an elastic foundation with the use of various plate theories**
Akavci S. S.
MECHANICS OF COMPOSITE MATERIALS, vol.41, no.5, pp.445-460, 2005 (SCI-Expanded)

XIII. **An integral transform technique applied to unbonded contact problems of a layer**
Güven S. S.
IRANIAN JOURNAL OF MATERIALS SCIENCE AND ENGINEERING, vol.28, no.B1, pp.1-8, 2004 (SCI-Expanded)

Papers Published in Refereed Scientific Meetings

I. **Çelik Taşıyıcılı Çatı Sistemleri Üzerine Bir İnceleme**
ÇELİK K., GÜVEN S. S.
International Mediternean Science and Engineering Congress, Adana, Turkey, 26 - 28 October 2016, vol.1, pp.3855-3862

II. **Geniş Açıklıklı Tek Katlı Yapılarda Çelik Taşıyıcılı Çatı Sistemlerinin Kullanımı Üzerine Bir İnceleme**
ÇELİK K., GÜVEN S. S.
International Mediterranean Science and Engineering Congress (IMSEC 2016), Adana, Turkey, 26 - 28 October 2016, pp.3855-3862

III. **The Solution of the Nonsymmetrical Contact Problem of an Elastic Layer Supported by Two Elastic Quarter Planes**
GÜVEN S. S., AKSOĞAN O.
European Conference on Computational Mechanics (ECCM 99), 31 August - 03 September 1999

IV. **Çatlakların Kamalarla Zorlanması Problemlerinin Değişik Yöntemlerle Çözümlerinin Karşılaştırılması**
GÜVEN S. S., AKSOĞAN O.
4. Ulusal Kırılma Konferansı, 18 - 20 October 1999, vol.1

V. **A Comparative Study of the Crack-Contact Problem For a Set of Collinear Cracks in a Semi-Infinite Half Plane or an Infinite Strip**
GÜVEN S. S., AKSOĞAN O.
Engineering Systems Design and Analysis Conference (ESDA 96), Montpellier, France, 1 - 04 July 1996, vol.6, pp.35-41

VI. **Uçlarında Rijit Bölgeler Bulunan Dönel Yaylı Çubuklardan Oluşan Düzlemsel Çerçevelerin Stabilite Analizi**
GÜVEN S. S., AKSOĞAN O.
Ç.Ü. Mühendislik Fakültesi 15. Yıl Sempozyumu, 01 February 1994, pp.1-13

VII. **ULTIMATE CAPACITIES OF FRAMES WITH STRAIN-SOFTENING CONNECTIONS**
GÜVEN S. S., Aksoğan O., Mıstıkoğlu G.
THE THIRD INTERNATIONAL CONFERENCE ON STEEL AND ALUMINIUM STRUCTURES, İstanbul, Turkey, 24 - 26

May 1995, pp.231-238

VIII. **Ultimate Capacities of Frames with Strain-Softening Connections**
GÜVEN S. S., AKSOĞAN O., MISTIKOĞLU G.
The Third International Conference on Steel and Alimunium Structures (ICSAS 95), İstanbul, Turkey, 1 - 03 January 1995, pp.231-238

Supported Projects

GÜVEN S. S., Project Supported by Higher Education Institutions, Mechanical behavior of functionally graded sandwich plates on elastic foundation, 2017 - 2018
GÜVEN S. S., GÜVEN M., Project Supported by Higher Education Institutions, Fonksiyonel olarak derecelenmiş sandviç plakların termal burkulma analizi, 2016 - 2017
GÜVEN S. S., TANRIKULU A. H., Project Supported by Higher Education Institutions, Static and free vibration analysis of functionally graded plates based on a new quasi 3D and 2D shear deformation theories, 2015 - 2016
GÜVEN S. S., Project Supported by Higher Education Institutions, THERMAL BUCKLING ANALYSIS OF FUNCTIONALLY GRADED PLATES ON AN ELASTIC FOUNDATION ACCORDING TO A HYPERBOLIC SHEAR DEFORMATION THEORY, 2015 - 2015
GÜVEN S. S., Project Supported by Higher Education Institutions, An efficient shear deformation theory for free vibration of functionally graded thick rectangular plates on elastic foundation, 2014 - 2015

Peer Reviews in Scientific Publications

Steel and composite structures , SCI Journal, July 2016

Scientific Project Refereeing

Project Supported by Higher Education Institutions, October 2016
Project Supported by Higher Education Institutions, February 2016

Metrics

Publication: 21
Citation (WoS): 608
Citation (Scopus): 632
H-Index (WoS): 8
H-Index (Scopus): 8

Non Academic Experience

Çukurova Üniversitesi, Arş. Gör.