

## Prof. HACI MURAT ARSLAN

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### International Researcher IDs

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Publons / Web Of Science ResearcherID: E-7468-2018

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### Education Information

Doctorate, Cukurova University, Mühendislik Mimarlık, İnşaat Mühendisliği, Turkey 1996 - 1999

Postgraduate, Cukurova University, Mühendislik Mimarlık, İnşaat Mühendisliği, Turkey 1994 - 1996

Undergraduate, Middle East Technical University, Faculty Of Engineering, İnşaat Mühendisliği, Turkey 1987 - 1992

### Foreign Languages

English, B1 Intermediate

### Dissertations

Doctorate, Kesit Değişikliği Olan Güçlendirilmiş Boşluklu Deprem Perdelerinin Dinamik Analizi. , Cukurova University, Fen Bilimleri Enstitüsü, İnşaat Mühendisliği, 1999

Postgraduate, Boşluklu Deprem Perdelerinin Yatay Yüklere Karşı Güçlendirilmesi, Cukurova University, Fen Bilimleri Enstitüsü, İnşaat Mühendisliği, 1996

### Research Areas

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

### Academic Titles / Tasks

Professor, Cukurova University, Mühendislik Fakültesi, İnşaat Mühendisliği, 2013 - Continues

### Published journal articles indexed by SCI, SSCI, and AHCI

1. **Dynamic analysis of non-planar coupled shear walls with stiffening beams using Continuous Connection Method**

Aksogan O., Turkozer C. D., Emsen E., Resatoglu R.

THIN-WALLED STRUCTURES, vol.82, pp.95-104, 2014 (SCI-Expanded)

- II. **Investigation of the effect of shell plan-form dimensions on mode-shapes of the laminated composite cylindrical shallow shells using SDSST and FEM**  
Dogan A., ARSLAN H. M.  
STEEL AND COMPOSITE STRUCTURES, vol.12, no.4, pp.303-324, 2012 (SCI-Expanded)
- III. **Static analysis of laterally arbitrarily loaded non-planar non-symmetrical coupled shear walls**  
Resatoglu R., Aksogan O., Emsen E.  
THIN-WALLED STRUCTURES, vol.48, no.9, pp.696-708, 2010 (SCI-Expanded)
- IV. **Effects of anisotropy and curvature on free vibration characteristics of laminated composite cylindrical shallow shells**  
Doğan A., Arslan H. M., Yerli H. R.  
STRUCTURAL ENGINEERING AND MECHANICS, vol.35, pp.493-510, 2010 (SCI-Expanded)
- V. **EFFECT OF CIRCULAR HOLES ON CROSS-PLY LAMINATED COMPOSITE PLATES**  
ARSLAN H. M., Kaltakci M. Y., YERLI H. R.  
ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING, vol.34, pp.301-315, 2009 (SCI-Expanded)
- VI. **Non-planar coupled shear walls with stiffening beams**  
Emsen E., Turkozer C. D., Aksogan O., Resatoglu R., Bikce M.  
SCIENTIFIC RESEARCH AND ESSAYS, vol.4, no.4, pp.328-345, 2009 (SCI-Expanded)
- VII. **Effects of curvature on free vibration characteristics of laminated composite cylindrical shallow shells**  
DOĞAN A., ARSLAN H. M.  
SCIENTIFIC RESEARCH AND ESSAYS, vol.4, no.4, pp.226-238, 2009 (SCI-Expanded)
- VIII. **A simplified dynamic analysis of multi-bay stiffened coupled shear walls**  
AKSOGAN O., BIKCE M., EMSEN E., Arslan H. M.  
ADVANCES IN ENGINEERING SOFTWARE, vol.38, pp.552-560, 2007 (SCI-Expanded)
- IX. **Stress concentrations in fiber reinforced composite plates containing circular holes subjected to shear stress**  
Arslan H. M.  
KUWAIT JOURNAL OF SCIENCE & ENGINEERING, vol.34, pp.1-18, 2007 (SCI-Expanded)
- X. **Stress concentrations of symmetrically laminated composite plates containing circular holes**  
KALTAKCI M. Y., Arslan H. M.  
IRANIAN JOURNAL OF SCIENCE AND TECHNOLOGY TRANSACTION B-ENGINEERING, vol.30, pp.447-460, 2006 (SCI-Expanded)
- XI. **Sulfate resistance of plain and blended cement**  
Binici H., Aksogan O.  
CEMENT & CONCRETE COMPOSITES, vol.28, no.1, pp.39-46, 2006 (SCI-Expanded)
- XII. **Effect of anisotropy on laminated composite plates containing circular holes**  
Arslan H. M.  
INDIAN JOURNAL OF ENGINEERING AND MATERIALS SCIENCES, vol.12, no.3, pp.207-213, 2005 (SCI-Expanded)
- XIII. **A study on cement mortars incorporating plain Portland cement (PPC), ground granulated blast-furnace slag (GGBFS) and basaltic pumice**  
Binici H., Aksogan O., Kaplan H.  
INDIAN JOURNAL OF ENGINEERING AND MATERIALS SCIENCES, vol.12, no.3, pp.214-220, 2005 (SCI-Expanded)
- XIV. **Investigation of fibre reinforced mud brick as a building material**  
Binici H., Aksogan O., Shah T.  
CONSTRUCTION AND BUILDING MATERIALS, vol.19, no.4, pp.313-318, 2005 (SCI-Expanded)
- XV. **An integral transform technique applied to unbonded contact problems of a layer**  
AKSOGAN O., AKAVCI S., Arslan H. M.  
IRANIAN JOURNAL OF SCIENCE AND TECHNOLOGY, vol.28, pp.1-8, 2004 (SCI-Expanded)
- XVI. **Stiffened multi-bay coupled shear walls on elastic foundation**

- BIKCE M., AKSOGAN O., Arslan H. M.  
IRANIAN JOURNAL OF SCIENCE AND TECHNOLOGY, vol.28, pp.43-52, 2004 (SCI-Expanded)
- XVII. **Free vibrations of flexibly connected elastically supported stiffened coupled shear walls with stepwise changes in width**  
Arslan H. M., AKSOGAN O., CHOO B.  
IRANIAN JOURNAL OF SCIENCE AND TECHNOLOGY, vol.28, pp.605-614, 2004 (SCI-Expanded)
- XVIII. **Buckling of a conical thin shell with variable thickness under a dynamic loading**  
Sofiyev A., Aksogan O.  
JOURNAL OF SOUND AND VIBRATION, vol.270, pp.903-915, 2004 (SCI-Expanded)
- XIX. **Forced vibration analysis of stiffened coupled shear walls using continuous connection method**  
AKSOGAN O., Arslan H. M., CHOO B.  
ENGINEERING STRUCTURES, vol.25, no.4, pp.499-506, 2003 (SCI-Expanded)
- XX. **Stiffened coupled shear walls on elastic foundation with flexible connections and stepwise changes in width**  
AKSOGAN O., Arslan H. M., AKAVCI S.  
IRANIAN JOURNAL OF SCIENCE AND TECHNOLOGY, vol.27, pp.37-46, 2003 (SCI-Expanded)
- XXI. **Non-linear free vibration analysis of laminated non-homogeneous orthotropic cylindrical shells**  
Sofiyev A., Aksogan O.  
PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART K-JOURNAL OF MULTI-BODY DYNAMICS, vol.217, no.4, pp.293-300, 2003 (SCI-Expanded)
- XXII. **Dynamic buckling of a cylindrical shell with variable thickness subject to a time-dependent external pressure varying as a power function of time**  
Aksogan O., Sofiyev A.  
JOURNAL OF SOUND AND VIBRATION, vol.254, no.4, pp.693-702, 2002 (SCI-Expanded)
- XXIII. **The non-linear analysis of flexibly connected space frames**  
ERDEM H., AKSOGAN O., Arslan H. M.  
COMMUNICATIONS IN NUMERICAL METHODS IN ENGINEERING, vol.18, no.7, pp.529-535, 2002 (SCI-Expanded)
- XXIV. **The dynamic stability of a laminated truncated conical shell with variable elasticity moduli and densities subject to a time-dependent external pressure**  
Aksogan O., Sofiyev A.  
JOURNAL OF STRAIN ANALYSIS FOR ENGINEERING DESIGN, vol.37, no.3, pp.201-210, 2002 (SCI-Expanded)
- XXV. **The dynamic stability of a nonhomogeneous orthotropic elastic truncated conical shell under a time dependent external pressure**  
Sofiyev A., Aksogan O.  
STRUCTURAL ENGINEERING AND MECHANICS, vol.13, no.3, pp.329-343, 2002 (SCI-Expanded)
- XXVI. **A SPECIMEN FOR DETERMINING FRACTURE PROPERTIES UNDER COMBINED MODES, I, II, AND III CRACK-TIP CONDITIONS**  
HYDE T., AKSOGAN O.  
JOURNAL OF STRAIN ANALYSIS FOR ENGINEERING DESIGN, vol.29, no.1, pp.1-6, 1994 (SCI-Expanded)

### **Refereed Congress / Symposium Publications in Proceedings**

- I. **Dynamic Analysis of 3-D Coupled Shear Walls with Changes in Cross-Section Using Continuous Connection Method**  
Turkozer C. D., Emsen E., Aksogan O.  
10th Biennial International Conference on Vibration Problems (ICOVP), Prague, Czech Republic, 5 - 08 September 2011, pp.44-50
- II. **Dynamic Analysis of Non-Planar Coupled Shear Walls with Stiffeners using a Continuous Connection Method**  
Turkozer C. D., Aksogan O., Emsen E., Resatoglu R.

10th International Conference on Computational Structures Technology, Valencia, Spain, 14 - 17 September 2010, vol.93

III. **A comparative study on the dynamic analysis of multi-bay stiffened coupled shear walls with semi-rigid connections**

Aksogan O., Choo B. S., Bikce M., Emsen E., Resatoglu R.

7th International Conference on Vibration Problems (ICOVP 2005), İstanbul, Turkey, 5 - 09 September 2005, vol.111, pp.15-16

IV. **The dynamic stability of a laminated nonhomogeneous elastic cylindrical shell**

Aksogan O., Sofiyev A., Zerin Z.

International Conference on Steel Structures of the 2000's, İstanbul, Turkey, 11 - 13 September 2000, pp.221-226

V. **ULTIMATE CAPACITIES OF FRAMES WITH STRAIN-SOFTENING CONNECTIONS**

AKSOGAN O., MISTIKOGLU G., AKAVCI S.

3rd International Conference on Steel and Aluminium Structures (ICSAS 95), İstanbul, Turkey, 24 - 26 May 1995, pp.231-238

## Supported Projects

ARSLAN H. M., Oluğ H. B., Project Supported by Higher Education Institutions, Riskli Yapı Tespit Yönetmeliği ve TDY2007 Karşılaştırılması NAMIK KEMAL İLKÖĞRETİM OKULU, 2018 - 2019

## Metrics

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