

Assoc. Prof. Kadiriye ŞİMŞEK ALAN

Personal Information

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Post Address: Yıldız Teknik Üniversitesi Kimya Metalürji Fakültesi, Matematik Mühendisliği Bölümü

Education Information

Doctorate, Yıldız Teknik Üniversitesi, Fen-Edebiyat Fakültesi/Matematik, Turkey 2000 - 2006

Post Graduate, Yıldız Teknik Üniversitesi, Fen-Edebiyat Fakültesi/Fen Bilimleri Enstitüsü/Matematik, Turkey 1997 - 1999

Under Graduate, Yıldız Teknik Üniversitesi, Eğitim Fakültesi/Matematik Öğretmenliği (Almanca), Turkey 1987 - 1993

Foreign Languages

German, B2 Upper Intermediate

English, B2 Upper Intermediate

Dissertations

Doctorate, Yerel Eğrilikli Tek lif Ve Sarılı Tek Lif İçeren Sonsuz Ortamların Gerilme Durumuna Ait Nonlineer Sınır Değer Problemleri, Yıldız Teknik Üniversitesi, Fbe Matematik Anabilimdalı, Matematik, 2006

Post Graduate, Modüler Grupların Alt Grupları, Yıldız Teknik Üniversitesi, Graduate School of Natural and Applied Sciences, Matematik/Matematik, 1999

Research Areas

Civil Engineering, Mechanical, Mathematics, Multivariate Complex Functions and Analytic Spaces, General Mathematics, Natural Sciences, Engineering and Technology

Academic Titles / Tasks

Associate Professor, Yıldız Technical University, FACULTY OF CHEMICAL AND METALLURGICAL ENGINEERING, Department of Mathematics Engineering, 2019 - Continues

Assistant Professor, Yıldız Teknik Üniversitesi, Kimya Metalürji Fak./Matematik Mühendisliği, Matematik Mühendisliği, 2018 - Continues

Assistant Professor, Yıldız Teknik Üniversitesi, Kimya Metalürji Fak./Matematik Mühendisliği, Matematik Mühendisliği, 2007 - 2018

Courses

SOYUT MATEMATİK, Under Graduate, 2015 - 2016, 2016 - 2017

BİTİRME TEZİ, Under Graduate, 2013 - 2014, 2016 - 2017

MATEMATİK MÜHENDİSLİĞİNDE TASARIM UYGULAMALARI, Under Graduate, 2016 - 2017

MATEMATİK MÜHENDİSLİĞİNDE TASARIM UYGULAMALARI, Under Graduate, 2013 - 2014, 2014 - 2015, 2015 - 2016, 2016 - 2017

MATEMATİK MÜHENDİSLİĞİNDE TASARIM UYGULAMALARI(2.ÖĞRETİM), Under Graduate, 2014 - 2015

BİTİRME TEZİ, Under Graduate, 2013 - 2014, 2014 - 2015

Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- **Normal Stresses in an Infinite Elastic Body with a locally Curved and Hollow Nanofiber**
ŞİMŞEK ALAN K.
CMC-COMPUTERS MATERIALS & CONTINUA, vol.44, pp.1-21, 2014 (Journal Indexed in SCI)
- **ANALYSIS OF STRESSES IN AN INFINITE ELASTIC BODY WITH A LOCALLY CURVED COVERED NANOFIBER**
Alan K. S. , AKBAROV S.
MECHANICS OF COMPOSITE MATERIALS, vol.47, pp.343-358, 2011 (Journal Indexed in SCI)
- **The Self-Balanced Shear Stresses in the Elastic Body with a Locally Curved Covered Fiber**
Alan K. S. , Akbarov S.
ADVANCES IN MECHANICAL ENGINEERING, 2010 (Journal Indexed in SCI)
- **Stress distribution in an infinite elastic body with a locally curved fiber in a geometrically nonlinear statement**
Akbarov S., Kosker R., Simsek K.
MECHANICS OF COMPOSITE MATERIALS, vol.41, pp.291-302, 2005 (Journal Indexed in SCI)

Articles Published in Other Journals

- **An Alternative Algorithm for Solving Pure Integer Linear Programming Problems Having Two Variables**
Şimşek Alan K., Sivri M., Albayrak F. İ. , Güler C.
International Journal of Applied Information Systems, no.25, pp.6-9, 2019 (Refereed Journals of Other Institutions)
- **Normal Stress Analysis In An Infinite Elastic Body With A Locally Curved Carbon Nanotube**
ŞİMŞEK ALAN K.
Sakarya University Journal Of Science, vol.22, pp.1931-1938, 2018 (Other Refereed National Journals)
- **The Normal Stress Distribution in an Infinite Elastic Body with a Locally Curved and Hollow Fiber under Geometrical Nonlinear Statement**
Şimşek Alan K.
NONLINEAR ANALYSIS AND DIFFERENTIAL EQUATIONS, vol.4, pp.295-304, 2016 (Refereed Journals of Other Institutions)
- **Normal Stresses in the elastic body with a locally curved covered fibre**
Köşker R., Şimşek Alan K.
Journal of Engineering and Natural Sciences (Mühendislik ve Fen Bilimleri Dergisi)_ Sigma, vol.25, pp.223-235, 2007 (National Refreed University Journal)
- **On the normal stresses in the elastic body with a locally curved fibre under geometric nonlinear statement**
Köşker R., Şimşek Alan K.
Journal of Engineering and Natural Sciences (Mühendislik ve Fen Bilimleri Dergisi)_ Sigma , vol.3, pp.97-108, 2006 (National Refreed University Journal)

Refereed Congress / Symposium Publications in Proceedings

- **The Effect of Geometric Nonlinearity on Self-Balanced Normal Stress Distribution in Infinite Elastic Body With a Single Locally Curved Hollow Fiber and Nanofiber and Comparison of Results**
ŞİMŞEK ALAN K.
8th International Conference on Applied Analysis and Mathematical Modeling, İstanbul, Turkey, 10 Mart 2019, pp.35
- **An Algorithm for Solving Pure Integer Linear Programming Problems n Having variables**
ŞİMŞEK ALAN K.
8th International Conference on Applied Analysis and Mathematical Modeling, İstanbul, Turkey, 10 Mart 2019,

pp.157

- **A study on normal stress in an infinite elastic body with a locally curved carbon nanotube**
Alan K.
International Conference of Mathematical Sciences 2018, ICMS 2018, İstanbul, Turkey, 31 Temmuz - 06 Ağustos 2018, vol.2086
- **Investigation of the Normal Stress In an Infinite Elastic Body With A Locally Curved Carbon Nanotube**
ŞİMŞEK ALAN K.
International Conference of Mathematical Sciences (ICMS 2018), İstanbul, Turkey, 31 Temmuz 2018, pp.162
- **Examination Of The Self- Balanced Normal Stress In An Elastic Body With A Single Locally Curved And Hollow Nanofiber**
ŞİMŞEK ALAN K.
International Conference of Mathematical Sciences (ICMS 2018), İstanbul, Turkey, 31 Temmuz 2018, pp.163
- **The Normal Stress Distribution in an Elastic Body with a Locally Curved and Hollow Fiber**
ŞİMŞEK ALAN K.
2'nd International Conference on Engineering and Natural Sciences (ICENS2016), Sarajeva, Albania, 24 Mayıs 2016, pp.336
- **On The Self-Balanced Normal Stresses in the Elastic body with a Locally Curved and hollow fiber**
ŞİMŞEK ALAN K.
2'nd International Conference on Engineering and Natural Sciences (ICENS2016), Sarajeva, Albania, 24 Mayıs 2016, pp.211
- **Stress Analyses in an elastic body with a Locally Curved and Hollow Fiber**
ŞİMŞEK ALAN K.
2'nd Lobal Conference on Materials Sciences, Lefkoşa, Cyprus (Kktc), 17 Ekim 2015, pp.12
- **On the theoretical strength limit in compression of viscoelastic unidirectional fibrous composite materials**
Kosker R., ŞİMŞEK ALAN K.
IFC 7 th international Fracture Conference, Kocaeli, Turkey, 19 Ekim 2005, vol.2, no.2, pp.791-800
- **GEOMETRİK NONLINEERİTE DURUMUNDA YEREL EĞRİLİKLİ ÖRTÜKLÜ LİF İÇEREN ELASTİK ORTAMDAKİ KENDİ-KENDİ DENGLEYEN NORMAL GERİLMELER**
ŞİMŞEK ALAN K.
XVI. Ulusal Mekanik kongresi
- **TEK YÖNLÜ DÜŞÜK YOĞUNLUKLU LİFLİ KOMPOZİTLERİN BASINÇ ALTINDA KIRILMASININ TEORİK LİMİTİ**
Kosker R., ŞİMŞEK ALAN K.
XIV. Ulusal Mekanik Kongresi
- **Stress analysis in an infinite elastic body with a locally curved covered nanofiber,**
ŞİMŞEK ALAN K., Akbarov S.
MCM 2010

Supported Projects

ŞİMŞEK ALAN K., Other Supported Projects, 24-07-03-01:Biokompozitlerin gerilme durumuna ve kırılmasına ait matematik modellemelerin geliştirilmesi., 2004 - 2006

Citations

Total Citations (WOS):11

h-index (WOS):2