

## Prof. Reşat KÖŞKER

### Personal Information

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### International Researcher IDs

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ScopusID: 6603214862

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### Education

Doctorate, Yildiz Technical University, FACULTY OF CHEMICAL AND METALLURGICAL ENGINEERING, Turkey 1998 - 2002

Postgraduate, Istanbul Technical University, Turkey 1991 - 1995

Undergraduate, Yildiz Technical University, FACULTY OF CHEMICAL AND METALLURGICAL ENGINEERING, Turkey 1987 - 1991

### Research Areas

**Avesis Research Areas:** Mechanics of Solid Bodies, Civil Engineering, Mechanical, Mechanical Engineering, Mechanical, Continuous Mechanics, Mathematics, General Mathematics, Natural Sciences, Engineering and Technology

**WoS Research Areas:** Engineering, Computing & Technology (ENG), Natural Sciences (SCI), ENGINEERING, MATERIALS SCIENCE, MATHEMATICS, ENGINEERING, MULTIDISCIPLINARY, MATERIALS SCIENCE, COMPOSITES, MATHEMATICS, INTERDISCIPLINARY APPLICATIONS, MATHEMATICS, APPLIED

**Scopus Research Areas:** General Engineering, General Materials Science, General Mathematics, Media Technology, Mechanics of Materials, Computational Mathematics, Computational Theory and Mathematics

### Academic Positions

Professor, Yildiz Technical University, FACULTY OF CHEMICAL AND METALLURGICAL ENGINEERING, Department of Mathematics Engineering, 2021 - Present

Associate Professor, Yildiz Technical University, FACULTY OF CHEMICAL AND METALLURGICAL ENGINEERING, Department of Mathematics Engineering, 2012 - 2021

Assistant Professor, Yildiz Technical University, FACULTY OF CHEMICAL AND METALLURGICAL ENGINEERING, Department of Mathematics Engineering, 2003 - 2012

Research Assistant, Yildiz Technical University, FACULTY OF CHEMICAL AND METALLURGICAL ENGINEERING, Department of Mathematics Engineering, 1992 - 2003

### Academic and Administrative Experience

Yıldız Teknik Üniversitesi, Matematik Mühendisliği Bölümü, 2008 - 2008

## Courses

### Doctorate

Uzmanlık Alan Dersi, Doctorate, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014

Lineer Sınır Değer Problemleri, Doctorate, 2017 - 2018

Doktora Tezi, Doctorate, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014

Doktora Tezi, Doctorate, 2013 - 2014, 2012 - 2013

Uzmanlık Alan Dersi, Doctorate, 2012 - 2013

### Postgraduate

Uzmanlık Alan Dersi, Postgraduate, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014

Yüksek Lisans Tezi, Postgraduate, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014

Matematik İstatistik, Postgraduate, 2016 - 2017

Matematik İstatistik, Postgraduate, 2015 - 2016, 2014 - 2015

İstatistiki Karar Teorisi, Postgraduate, 2014 - 2015

Matematik İstatistik, Postgraduate, 2013 - 2014

Uzmanlık Alan Dersi, Postgraduate, 2013 - 2014, 2012 - 2013

Yüksek Lisans Tezi, Postgraduate, 2013 - 2014, 2012 - 2013

### Undergraduate

Olasılık ve İstatistik, Undergraduate, 2016 - 2017, 2015 - 2016, 2014 - 2015

Kompleks Analiz 1, Undergraduate, 2016 - 2017, 2015 - 2016

Bitirme Çalışması, Undergraduate, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015

Mat. Müh. Tasarım Uyg., Undergraduate, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015

Dinamik, Undergraduate, 2016 - 2017

Diferansiyel Denklemler, Undergraduate, 2017 - 2018

Ayrık Matematik, Undergraduate, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015

İleri Analiz 1 , Undergraduate, 2014 - 2015

Cebir, Undergraduate, 2013 - 2014

Diferansiyel Denklemler, Undergraduate, 2014 - 2015

Olasılık Teorisi, Undergraduate, 2013 - 2014

Dinamik, Undergraduate, 2012 - 2013

Diferansiyel Denklemler, Undergraduate, 2013 - 2014

Bitirme Tezi, Undergraduate, 2013 - 2014, 2012 - 2013

Akışkanlar Mekaniği, Undergraduate, 2013 - 2014, 2012 - 2013

Olasılık Teorisi, Undergraduate, 2012 - 2013

Matematik II, Undergraduate, 2012 - 2013

Mat. Müh. Tasarım Uyg., Undergraduate, 2013 - 2014, 2012 - 2013

### Associate Degree

Ayrık Matematik, Associate Degree, 2014 - 2015

## Supervised Theses

KÖŞKER R., Epidemiyolojide Nokta Süreçleri Uygulaması, Postgraduate, İ.Ramadane(Student), 2016

KÖŞKER R., Yerel Eğrilikli Çift Duvarlı Karbon Nanotüplerin Üç Boyutlu Elastisite Teorisi Yardımıyla İncelenmesi, Doctorate, F.Çoban(Student), 2016

KÖŞKER R., Yerel Eğrilikli Komşu İki Lif İçeren Sonsuz Elastik Ortamda Gerilme Analizi, Doctorate, N.Tırmıkçıoğlu(Student), 2011

KÖŞKER R., İçi Boş Yerel Eğrilikli Tek Lif İçeren Sonsuz Elastik Ortamda Gerilme Yayılımı, Postgraduate, F.Çoban(Student), 2009

KÖŞKER R., Periyodik Eğrilikli Sarılı Tek Lif İçeren Sonsuz Elastik Ortamda Gerilme Yayılımı, Postgraduate, D.Miraç(Student), 2007

## Articles

- I. **The stability loss of a locally curved double-walled carbon nanotube in visco-elastic matrix**  
ÇOBAN KAYIKÇI F., KÖŞKER R.  
PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART C-JOURNAL OF MECHANICAL ENGINEERING SCIENCE, vol.236, no.2, pp.1136-1146, 2022 (SCI-Expanded, Scopus)
- II. **The Real Forms of the Fractional Supergroup  $SL(2,C)$**   
Uçan Y., Köşker R.  
MATHEMATICS, vol.9, no.9, 2021 (SCI-Expanded, Scopus)
- III. **Stability analysis of double-walled and triple-walled carbon nanotubes having local curvature**  
KAYIKÇI F., KÖŞKER R.  
ARCHIVE OF APPLIED MECHANICS, vol.91, pp.1669-1681, 2021 (SCI-Expanded, Scopus)
- IV. **NORMAL STRESS DISTRIBUTION IN INFINITE ELASTIC MATRIX WITH A LOCALLY CURVED TRIPLE-WALLED CARBON NANOTUBE**  
Kayıkcı F. C., KÖŞKER R.  
THERMAL SCIENCE, vol.25, 2021 (SCI-Expanded, Scopus)
- V. **NUMERICAL DISCRETIZATION OF STOCHASTIC OSCILLATORS WITH GENERALIZED NUMERICAL INTEGRATORS**  
Sirma A., KÖŞKER R., Akat M.  
THERMAL SCIENCE, vol.25, 2021 (SCI-Expanded, Scopus)
- VI. **Periyodik Eğrilikli İki Komşu İçi Boş Lif İçeren Elastik Ortamdaki Normal Gerilmeler Üzerine**  
Köşker R., Gülten İ.  
Avrupa Bilim ve Teknoloji Dergisi, vol.22, pp.316-324, 2021 (TRDizin)
- VII. **Stress distribution in an elastic body with a locally curved double-walled carbon nanotube**  
Kayıkcı F., KÖŞKER R.  
Journal of the Brazilian Society of Mechanical Sciences and Engineering, vol.43, no.1, 2021 (SCI-Expanded, Scopus)
- VIII. **Stress Distribution in Composites with Co-Phase Periodically Cured Two Neighboring Hollow Fibers**  
KÖŞKER R., Gulten I.  
CMC-COMPUTERS MATERIALS & CONTINUA, vol.69, no.1, pp.967-983, 2021 (SCI-Expanded, Scopus)
- IX. **Periyodik Eğrilikli İçi Boş Lif İçeren Elastik Ortamda Gerilme Dağılımı**  
Köşker R., Gülten İ.  
Avrupa Bilim ve Teknoloji Dergisi, vol.19, pp.809-820, 2020 (TRDizin)
- X. **On the numerical schemes for Langevin-type equations**  
Akat M., Kosker R., Sirma A.  
BULLETIN OF THE KARAGANDA UNIVERSITY-MATHEMATICS, vol.99, no.3, pp.62-74, 2020 (ESCI)
- XI. **ON INTERNAL STABILITY LOSS OF A ROW UNIDIRECTED PERIODICALLY LOCATED FIBERS IN THE VISCO-ELASTIC MATRIX**  
Köşker R.  
THERMAL SCIENCE, vol.23, 2019 (SCI-Expanded, Scopus)
- XII. **Fractional Supersymmetric  $iso(1,1)$**   
Uçan Y., Köşker R., Hıdırlar Ö.  
Doğuş Üniversitesi Dergisi, vol.19, no.1, pp.19-22, 2018 (SCI-Expanded, Scopus, TRDizin)
- XIII. **INFLUENCE OF THE INTERACTION BETWEEN FIBERS PERIODICALLY LOCATED IN A COMPOSITE MATERIAL ON THE DISTRIBUTION OF STRESSES IN IT**  
Akbarov S., Köşker R., Uçan Y.  
MECHANICS OF COMPOSITE MATERIALS, vol.52, pp.243-256, 2016 (SCI-Expanded, Scopus)
- XIV. **Stress Distribution in an Infinite Body Containing Two Neighboring Locally Curved Nanofibers**  
Akbarov S., Köşker R., Cinar N. T.  
CMC-COMPUTERS MATERIALS & CONTINUA, vol.21, pp.119-146, 2011 (SCI-Expanded, Scopus)
- XV. **STRESS DISTRIBUTION CAUSED BY TWO NEIGHBORING OUT-OF-PLANE LOCALLY COPHASALLY CURVED FIBERS IN A COMPOSITE MATERIAL**

- Cinar N. T., KÖŞKER R., Akbarov S., Akat E.  
MECHANICS OF COMPOSITE MATERIALS, vol.46, no.5, pp.555-572, 2010 (SCI-Expanded, Scopus)
- XVI. **The Effect of the Geometrical Non-Linearity on the Stress Distribution in the Infinite Elastic Body with a Periodically Curved Row of Fibers**  
Akbarov S., Köşker R., Uçan Y.  
CMC-COMPUTERS MATERIALS & CONTINUA, vol.17, pp.77-102, 2010 (SCI-Expanded, Scopus)
- XVII. **Stress distribution in an infinite elastic body containing two neighboring locally curved fibers**  
KÖŞKER R., Cinar N. T.  
MECHANICS OF COMPOSITE MATERIALS, vol.45, no.3, pp.315-330, 2009 (SCI-Expanded, Scopus)
- XVIII. **Stress distribution in an infinite elastic body with a covered periodically curved fiber**  
KÖŞKER R., DIKBAS D. M.  
MECHANICS OF COMPOSITE MATERIALS, vol.45, no.2, pp.183-198, 2009 (SCI-Expanded, Scopus)
- XIX. **ON THE NORMAL STRESSES IN THE ELASTIC BODY WITH A LOCALLY CURVED FIBRE UNDER GEOMETRIC NONLINEAR STATEMENT**  
KÖŞKER R., ŞİMŞEK ALAN K.  
Sigma Mühendislik ve Fen Bilimleri Dergisi, vol.3, pp.97-108, 2007 (ESCI)
- XX. **NORMAL STRESSES IN THE ELASTIC BODY WITH A LOCALLY CURVED COVERED FIBRE**  
KÖŞKER R., ŞİMŞEK ALAN K.  
Sigma Mühendislik ve Fen Bilimleri Dergisi, vol.25, no.3, pp.223-235, 2006 (ESCI)
- XXI. **Stress distribution in a composite material with a row of antiphase periodically curved fibers**  
Akbarov S., Kosker R., Ucan Y.  
INTERNATIONAL APPLIED MECHANICS, vol.42, no.4, pp.486-493, 2006 (SCI-Expanded, Scopus)
- XXII. **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, no.4, pp.291-302, 2005 (SCI-Expanded, Scopus)
- XXIII. **Internal stability loss of two neighbouring fibers in a viscoelastic matrix**  
Akbarov S., Kosker R.  
INTERNATIONAL JOURNAL OF ENGINEERING SCIENCE, vol.42, pp.1847-1873, 2004 (SCI-Expanded, Scopus)
- XXIV. **On the Normal Stresses in the Elastic Body with Periodically Curved Row Fibres**  
KÖŞKER R., UÇAN Y.  
Sigma, Journal of Engineering and Natural Sciences, no.4, pp.294-304, 2004 (ESCI)
- XXV. **Stress distribution in an elastic body with a periodically curved row of fibers**  
Akbarov S., Kosker R., Ucan V.  
MECHANICS OF COMPOSITE MATERIALS, vol.40, pp.191-202, 2004 (SCI-Expanded, Scopus)
- XXVI. **Influence of the interaction between two neighboring periodically curved fibers on the stress distribution in a composite material**  
Kosker R., Akbarov S.  
MECHANICS OF COMPOSITE MATERIALS, vol.39, no.2, pp.165-176, 2003 (SCI-Expanded, Scopus)
- XXVII. **Stress distribution caused by anti-phase periodical curving of two neighbouring fibers in a composite material**  
Akbarov S., KOSKER R.  
EUROPEAN JOURNAL OF MECHANICS A-SOLIDS, vol.22, no.2, pp.243-256, 2003 (SCI-Expanded, Scopus)
- XXVIII. **On a stress analysis in the infinite elastic body with two neighbouring curved fibres**  
Akbarov S., KOSKER R.  
COMPOSITES PART B-ENGINEERING, vol.34, no.2, pp.143-150, 2003 (SCI-Expanded, Scopus)
- XXIX. **Fiber buckling in a viscoelastic matrix**  
Akbarov S., Kosker R.  
MECHANICS OF COMPOSITE MATERIALS, vol.37, no.4, pp.299-306, 2001 (SCI-Expanded, Scopus)
- XXX. **Çok Katlı Kompozit Malzemedeki Hazırlanmış Plakta Gerilme ve Yerdeğiştirme Dağılımının FEM ile İncelenmesi**

## Papers Presented at Peer-Reviewed Scientific Conferences

- I. **The Fracture of the Elastic Matrix Containing Two Neighboring Co-phase out of Plane Periodically Curved Carbon Nanotubes**  
Gülten İ., Köşker R.  
International Conference on Applied Analysis and Mathematical Modeling, ICAAMM19, İstanbul, Turkey, 10 - 13 March 2019, pp.179-180, (Summary Text)
- II. **On The Normal Stress Distribution In The Locally Curved Double-Walled Carbon Nanotube Embedded In Elastic Matrix Material**  
ÇOBAN KAYIKÇI F., KÖŞKER R.  
International Conference On Mathematics with Minisymposium on Approximation Theory and Minisymposium on Math Education, İstanbul, Turkey, 03 July 2018, pp.110, (Summary Text)
- III. **On The Normal Stress Distribution in the Locally Curved Double-Walled Carbon Nanotube Embedded In Elastic Matrix Material, International Conference On Mathematics**  
Kayıkçı F., Köşker R.  
An Istanbul Meeting for World Mathematicians” ,Minisymposium on Approximation Theory &Minisymposium on Math Education (ICOM-2018), İstanbul, Turkey, 3 - 06 July 2018, pp.109, (Summary Text)
- IV. **Aynı fazlı periyodik eğilmiş sıralı karbonnanotüp içeren sonsuz elastik ortamda geometrik lineer durumundagerilme yayılımı**  
Köşker R., Gülten İ.  
XX. Ulusal Mekanik Kongresi, Bursa, Turkey, 05 September 2017, pp.1, (Summary Text)
- V. **Yerel eğrilikli üç duvarlı karbon nanotüp içeren kompozitteki gerilme dağılımı**  
KAYIKÇI F., KÖŞKER R.  
XX. Ulusal Mekanik Kongresi, Bursa, Turkey, 05 September 2017, pp.1, (Full Text)
- VI. **S3 Graded iso (1,2)**  
Uçan Y., Köşker R., Tekercioğlu R.  
6th International Eurasian Conference on Mathematical Sciences and Applications, Budapest, Hungary, 15 - 18 August 2017, pp.30-31, (Summary Text)
- VII. **Stress Distribution in the Infinite Elastic Body With Two Neighboring Periodical Curved Carbon Nanotube Located on Different and Parallel Planes**  
KÖŞKER R., Gülten İ.  
6th International Eurasian Conference on Mathematical Sciences and Applications (IECMSA-2017), Budapeşte, Hungary, 15 August 2017, pp.168-169, (Summary Text)
- VIII. **On the Stress Distribution in the Elastic Body with a Locally Curved Triple Walled Carbon Nanotube**  
KAYIKÇI F., KÖŞKER R.  
6th International Eurasian Conference on Mathematical Sciences and Applications (IECMSA-2017), Budapeşte, Hungary, 15 August 2017, pp.119, (Summary Text)
- IX. **Stress Distribution in the Infinite Elastic Body With Two Neighboring Periodical Curved Carbon Nanotube Located on Different and Parallel Planes**  
Köşker R., Gülten İ.  
6th International Eurasian Conference on Mathematical Sciences and Applications (IECMSA-2017), Budapest, Hungary, 15 - 18 August 2017, pp.167-168, (Summary Text)
- X. **The Fracture of the Elastic Matrix Containing Two Neighboring Co-phase Periodically Curved Carbon Nanotubes**  
Gülten İ., KÖŞKER R.  
Yerel Eğrilikli Karbon Nanotüp İçeren Kompozitteki Gerilme Dağılımına Geometrik Nonlineeritenin Etkisi, Atina, Greece, 31 August 2015, pp.119, (Summary Text)

- XI. **Geometrik Lineer Durumunda Aynı Fazlı Periyodik Eğilmiş İki Komşu Karbon Nanotüp İçeren Sonsuz Elastik Ortamda Gerilme Yayılımı**  
KÖŞKER R., Gülten İ.  
XIX. Ulusal Mekanik Kongresi, Trabzon, Turkey, 24 August 2015, pp.659-669, (Full Text)
- XII. **Yerel Eğrilikli Karbon Nanotüp İçeren Kompozitteki Gerilme Dağılımına Geometrik Nonlineeritenin Etkisi**  
KAYIKÇI F., KÖŞKER R.  
XIX. Ulusal Mekanik Kongresi, Trabzon, Turkey, 24 August 2015, pp.354-362, (Full Text)
- XIII. **Internal Stability Loss of a Periodical Curved Carbon Nanotube in a Viscoelastic Matrix**  
KÖŞKER R., Gülten İ.  
3rd International Symposium On Innovative Technologies In Engineering And Science, ISITES2015, Valencia, Spain, 03 June 2015, pp.2307-2317, (Full Text)
- XIV. **Internal Stability Loss of a Periodical Curved Carbon Nanotube in a Viscoelastic Matrix**  
Köşker R., Gülten İ.  
3rd International Symposium On Innovative Technologies In Engineering And Science, ISITES2015, Valencia, Spain, 3 - 05 June 2015, pp.2307-2317, (Full Text)
- XV. **On The Stress Distribution In An Elastic Body With A Locally Curved Carbon Nanotube**  
Çoban F., Köşker R.  
3RD INTERNATIONAL SYMPOSIUM ON INNOVATIVE TECHNOLOGIES IN ENGINEERING AND SCIENCE, Valencia, Spain, 3 - 05 June 2015, pp.2299-2307, (Full Text)
- XVI. **Normal Stresses in the Elastic Body with a Locally Curved Double Walled Carbon Nanotube**  
KAYIKÇI F., KÖŞKER R., YÜKSELER R. F.  
3rd International Eurasian Conference on Mathematical Sciences and Applications (IECMSA-2014), Viyana, Austria, 25 August 2014, pp.184, (Summary Text)
- XVII. **Stress Distribution in the Infinite Elastic Body with a Periodical Curved Carbon Nanotube**  
Köşker R., Akbarov S., Gülten İ.  
3rd International Eurasian Conference on Mathematical Sciences and Applications (IECMSA-2014), Vienna, Austria, 25 - 28 August 2014, pp.251, (Summary Text)
- XVIII. **Two Dimensional Fractional Poincare Algebra**  
UÇAN Y., KÖŞKER R., HIDIRLAR Ö.  
3rd International Eurasian conference on Mathematical Sciences and Applications, Viyana, Austria, 25 - 28 August 2014, pp.72, (Summary Text)
- XIX. **On The Stress Distribution In An Elastic Body With A Locally Curved Double-Walled Carbon Nanotube**  
Kayıkçı F., Köşker R.  
XVIII. International Conference on Mechanics of Composite Materials (MCM-2014), Riga, Latvia, 2 - 06 June 2014, pp.58, (Summary Text)
- XX. **TEK YÖNLÜ DÜŞÜK YOĞUNLUKLU İÇİ BOŞ YEREL EĞRİLİKLİ LİFLER İÇEREN KOMPOZİTLERİN BASINÇ ALTINDA KIRILMASININ TEORİK LİMİTİ**  
SURKHAY A., KÖŞKER R., ÇOBAN F.  
XVIII. ULUSAL MEKANİK KONGRESİ, Turkey, 26 - 30 August 2013, pp.10-20, (Full Text)
- XXI. **Tek Yönlü Düşük yoğunluklu İçi Boş Yerel Eğrilikli Lifler İçeren Kompozitlerin basınç altında kırılmasının Teorik Limiti**  
Köşker R., Akbarov S., Kayıkçı F.  
XVIII. Ulusal Mekanik Kongresi 26 - 30 AĞUSTOS 2013, MAN.SA, Manisa, Turkey, 26 - 30 August 2013, pp.10-20, (Full Text)
- XXII. **Fractional Supersymmetric  $sl(2)$ :  $U_{35}(sl(2))$  and  $U_{36}(sl(2))$**   
UÇAN Y., KÖŞKER R., TEKERCİOĞLU R., TURAN DİNCEL A.  
IECMSA-2013: 2nd International Eurasian Conference on Mathematical Sciences and Applications, Sarajevo, Kosova, 26 August 2013, pp.217, (Summary Text)
- XXIII. **Fractional Supersymmetric  $sl(2)$ :  $U_{53}(sl(2))U_{51}$  and  $U_{63}(sl(2))$**

Uçan Y., Köşker R., Tekercioğlu R., Turan Dinçel A.

IECMSA-2013 2nd International Eurasian Conference on Mathematical Sciences and Applications, Sarajevo, Bosnia And Herzegovina, 26 - 29 August 2013, pp.217, (Summary Text)

- XXIV. **The influence of the interaction between the periodically located row of fibers in a composite materials on the stress distribution**  
KÖŞKER R., AKBAROV S., UÇAN Y.  
XVII. International Conference on Mechanics of Composite Materials, Riga, Latvia, 28 May 2012, vol.1, pp.119, (Summary Text)
- XXV. **The influence of the interaction between the periodically located row of fibers in a composite materials on the stress distribution**  
Köşker R., Akbarov S., Uçan Y.  
XVII. International Conference on Mechanics of Composite Materials (MCM-2012), Riga, Latvia, 28 May - 02 June 2012, vol.1, no.1, pp.119, (Summary Text)
- XXVI. **The Influence of The Interaction Between The Periodically Located Row of Fibers in a Composite Materials on the Stress Distribution**  
KÖŞKER R., AKBAROV S., UÇAN Y.  
seventeenth International Conference Mechanics of Composite Materials, Riga, Latvia, 28 May - 01 June 2012, pp.119, (Summary Text)
- XXVII. **Internal Stability Loss of a Row Unidirected Periodically Located Fibers in the Visco-elastic Matrix**  
AKBAROV S., KÖŞKER R., UÇAN Y.  
International Conference on Computational & Experimental Engineering and Sciences (ICES-12), Girit, Greece, 30 April 2012, vol.1, pp.47-48, (Summary Text)
- XXVIII. **Stress distribution caused by out of plane sinphase locally curving of two neighboring fibers in a composite material**  
T. Cinar N., Köşker R., Akbarov S.  
Sixteenth International Conference Mechanics of Composite Materials (MCM-2010), Riga, Latvia, 24 - 28 May 2010, pp.58, (Summary Text)
- XXIX. **Stress Distribution in an Infinite Elastic Body Containing Two Locally Curved Neighboring Fibers**  
Köşker R., Çınar N.  
Fifteenth International Conference Mechanics of Composite Materials (MCM-2008), Riga, Latvia, 26 - 30 May 2008, pp.144, (Summary Text)
- XXX. **Stress Distribution in an Infinite Elastic Body With a Covered Periodically Curved Fibeer**  
Köşker R., Dikbaş D.  
Fifteenth International Conference Mechanics of Composite Materials (MCM-2008), Riga, Latvia, 26 - 30 May 2008, pp.145, (Summary Text)
- XXXI. **The Effect of Geometrical Nonlinearity on the Stress Distribution in an Infinite Elastic Body with a Periodically Curved Row of Fibers**  
Köşker R., Akbarov S., Uçan Y.  
Fifteenth International Conference Mechanics of Composite Materials (MCM-2008), Riga, Latvia, 26 - 30 May 2008, pp.143, (Summary Text)
- XXXII. **Stress Distribution Caused by out of Plane Co-Phase Periodical Curving of Two Neighboring Fibers in a Composite Material,**  
Köşker R., Akbarov S.  
Conference on Damage in Composite Materials: Non-Destructive Testing and Simulation (CDCM06), Stuttgart, Germany, 18 - 19 September 2006, pp.1-11, (Full Text)
- XXXIII. **Stress State in an Elastic Body Containing Two Neighboring Locally Curved Fibers**  
Köşker R., Çınar N.  
Fourteenth International Conference Mechanics of Composite Materials (MCM-2006), Riga, Latvia, 29 May - 02 June 2006, pp.96, (Summary Text)
- XXXIV. **Tek Yönlü Düşük Yoğunluklu Lifli Kompozitlerin Basınç Altında Kırılmasının Teorik Limiti**  
Köşker R., Akbarov S., Şimşek Alan K.

- XIV. Ulusal Mekanik Kongresi, Hatay, Turkey, 12 - 16 September 2005, pp.25-34, (Full Text)
- XXXV. **The Fracture of The Visco-Elastic Matrix Containing a Row Unidirected Periodically Located Fibers**  
Akbarov S., Köşker R., Uçan Y.  
7th International Fracture Conference Proceedings, Kocaeli, Turkey, 19 - 21 October 2005, pp.801-811, (Full Text)
- XXXVI. **On the Theoretical Strength Limit in Compression of Viscoelastic Unidirectional Fibrous Composite Materials**  
Akbarov S., Köşker R., Şimşek Alan K.  
7.th International Fracture Conference, Kocaeli, Turkey, 19 - 21 October 2005, pp.791-800, (Full Text)
- XXXVII. **Aynı fazlı Periyodik Eğilmiş Sıralı Lif İçeren Sonsuz Elastik Ortamda Geometrik Non lineeritinin Gerilme Yayılımına Etkisi**  
AKBAROV S., KÖŞKER R., UÇAN Y.  
XIV Ulusal Mekanik Kongresi, Hatay, Turkey, 12 September 2005, pp.15-24, (Full Text)
- XXXVIII. **Stress Distribution Caused by Anti-Phase Periodical Curving of Row Neighbouring Fibers in a Composite Material Under Geometrical Non-Linear Statement**  
Akbarov S., Köşker R., Uçan Y.  
Twelfth International Conference on Composites/ Nano Engineering (ICCE-12), Tenerife, Spain, 1 - 06 August 2005, pp.30-31, (Summary Text)
- XXXIX. **On the Strength in Compression of the Bio-Materials Compressed Visco-elastic Matrix and Reinforced With Unidirected Fibers**  
Akbarov S., Köşker R.  
International Workshop on Bioengineering; Problems and Perspectives, İstanbul, Turkey, 20 - 23 October 2004, pp.63-65, (Summary Text)
- XL. **Stress Distribution in an Infinite Elastic Body with a Periodically Curved Row of Fibers**  
Akbarov S., Köşker R., Uçan Y.  
Thirteenth International Conference, Mechanics of Composite Materials, Riga, Latvia, 16 May 2004, pp.220-221, (Full Text)
- XLI. **Stress Distribution in an Infinite Elastic Body with a Locally Curved Fibers in a Geometrically Non-Linear Statement**  
Akbarov S., Köşker R., Şimşek Alan K.  
Thirteenth International Conference Mechanics of Composite Materials (MCM-2004), Riga, Latvia, 16 - 20 May 2004, pp.8, (Summary Text)
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5th International Fracture Conference, Elazığ, Turkey, 6 - 08 September 2001, pp.69-77, (Full Text)
- XLVII. **Stress distribution in the infinite elastic body with two neighbouring periodical curved fibers**

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**XLVIII. Micro-Buckling of a fiber in viscoelastic matrix**

Köşker R., Akbarov S.

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**L. Helmholtz salınıcısının rezonans durumlarında dallanma analizi**

Köşker R., Ünal G.

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## **Funded Projects**

KÖŞKER R., Project Supported by Higher Education Institutions, BAP PhD, Periyodik Eğrilikli İçi Boş Tek ve İki Lif Gömülü Elastik Ve Viskoelastik Ortamda Gerilme ve Burkulma Analizi, 2014 - 2023

## **Metrics**

Publication: 82

Citation (WoS): 144

Citation (Scopus): 148

H-Index (WoS): 8

H-Index (Scopus): 8

## **Non Academic Experience**

Yıldız Teknik Üniversitesi, Yardımcı Doçent

Yıldız Teknik Üniversitesi, Araştırma Görevlisi