

# Prof. Coşkun GÜLER

## Personal Information

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**Address:** Yıldız teknik Üniversitesi Kimya Metalürji Fakültesi Matematik Mühendisliği Bölümü Davutpaşa Kampüsü Esenler İstanbul

## Education Information

Doctorate, Yıldız Technical University, Graduate School Of Natural And Applied Sciences, Matematik Mühendisliği, Turkey 1993 - 1996

Postgraduate, Yıldız Technical University, Graduate School Of Natural And Applied Sciences, Matematik Mühendisliği, Turkey 1987 - 1990

Undergraduate, Yıldız Technical University, Mühendislik Fakültesi, Matematik Mühendisliği, Turkey 1982 - 1987

## Foreign Languages

English, B2 Upper Intermediate

## Dissertations

Doctorate, Yarı Eksende Üç Adi Diferansiyel Denklemden Oluşan Sistem için Ters Saçılma Problemi, Yıldız Technical University, Graduate School of Natural and Applied Sciences, Matematik Mühendisliği, 1996

Postgraduate, Çok Amaçlı Lineer Programlama Problemi ve Network Üzerine Bir Uygulama, Yıldız Technical University, Graduate School of Natural and Applied Sciences, Matematik Mühendisliği, 1990

## Research Areas

Mathematics, Differential Equations, Linear and Multilinear Algebra: Matrix Theory, General Mathematics, Integral Equations, Integral Transformations, Computational Calculation, Partial Differential Equations, Optimization, Numerical Analysis, Natural Sciences, Engineering and Technology

## Academic Titles / Tasks

Professor, Yıldız Technical University, Faculty Of Chemical And Metallurgical Engineering, Department Of Mathematics Engineering, 2020 - Continues

Associate Professor, Yıldız Technical University, Faculty Of Chemical And Metallurgical Engineering, Department Of Mathematics Engineering, 2014 - 2020

Assistant Professor, Yıldız Technical University, Faculty Of Chemical And Metallurgical Engineering, Department Of Mathematics Engineering, 1998 - 2014

Lecturer PhD, Yildiz Technical University, Faculty Of Chemical And Metallurgical Engineering, Department Of Mathematics Engineering, 1996 - 1998

Lecturer, Yildiz Technical University, Faculty Of Chemical And Metallurgical Engineering, Department Of Mathematics Engineering, 1992 - 1996

Research Assistant, Yildiz Technical University, Graduate School Of Natural And Applied Sciences, 1988 - 1992

## Academic and Administrative Experience

Deputy Head of Department, Yildiz Technical University, FACULTY OF CHEMICAL AND METALLURGICAL ENGINEERING, Department of Mathematics Engineering, 2011 - 2014

Deputy Head of Department, Yildiz Technical University, FACULTY OF CHEMICAL AND METALLURGICAL ENGINEERING, Department of Mathematics Engineering, 2008 - 2011

Deputy Head of Department, Yildiz Technical University, FACULTY OF CHEMICAL AND METALLURGICAL ENGINEERING, Department of Mathematics Engineering, 2005 - 2008

Deputy Head of Department, Yildiz Technical University, FACULTY OF CHEMICAL AND METALLURGICAL ENGINEERING, Department of Mathematics Engineering, 2003 - 2005

Deputy Head of Department, Yildiz Technical University, FACULTY OF CHEMICAL AND METALLURGICAL ENGINEERING, Department of Mathematics Engineering, 1998 - 2002

## Courses

Matematik Mühendisliğinde Tasarım Uygulamaları , Undergraduate, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014

DİFERANSİYEL DENKLEMLER Gr.1, Undergraduate, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014

Uzmanlık Alan Dersi, Postgraduate, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015

Bitirme Çalışması Gr.1, Undergraduate, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011, 2009 - 2010, 2008 - 2009, 2007 - 2008, 2006 - 2007, 2005 - 2006, 2004 - 2005, 2003 - 2004, 2002 - 2003, 2001 - 2002, 2000 - 2001, 1999 - 2000, 1998 - 1999, 1997 - 1998, 1996 - 1997, 1995 - 1996, 1994 - 1995, 1993 - 1994, 1992 - 1993

Bitirme Çalışması Gr.2, Undergraduate, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011, 2009 - 2010, 2008 - 2009, 2007 - 2008, 2006 - 2007, 2005 - 2006, 2004 - 2005, 2003 - 2004, 2002 - 2003, 2001 - 2002, 2000 - 2001, 1999 - 2000, 1998 - 1999, 1997 - 1998, 1996 - 1997, 1995 - 1996, 1994 - 1995, 1993 - 1994, 1992 - 1993

Doktora Tezi, Doctorate, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2015 - 2016, 2014 - 2015, 2013 - 2014

Diferansiyel Operatörler için Ters Saçılma Problemleri, Doctorate, 2019 - 2020, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011, 2009 - 2010, 2008 - 2009, 2007 - 2008

Yüksek Lisans Tezi, Postgraduate, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2012 - 2013, 2011 - 2012, 2010 - 2011, 2009 - 2010, 2008 - 2009, 2007 - 2008, 2006 - 2007, 2005 - 2006, 2004 - 2005, 2003 - 2004, 2002 - 2003

MATRİS ANALİZİ Gr-1, Undergraduate, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011, 2009 - 2010, 2008 - 2009, 2007 - 2008, 2006 - 2007, 2005 - 2006, 2004 - 2005, 2003 - 2004, 2002 - 2003, 2001 - 2002

Uzmanlık Alan dersi, Doctorate, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014

ANALİZ 2 Gr.1, Undergraduate, 2018 - 2019, 2017 - 2018, 2016 - 2017

ÇOK DEĞİŞKENLİ ANALİZ VE DİFERANSİYEL DENKLEMLER, Undergraduate, 2019 - 2020, 2016 - 2017, 2015 - 2016, 2014 - 2015

ANALİZ 1 Gr-1, Undergraduate, 2018 - 2019, 2017 - 2018

MATEMATİK 1, Undergraduate, 2017 - 2018

KISMİ DİFERANSİYEL DENKLEMLER Gr.1, Undergraduate, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012  
MATEMATİK 2, Undergraduate, 2017 - 2018  
Matris Analizi Gr-2, Undergraduate, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011, 2009 - 2010, 2008 - 2009, 2007 - 2008, 2006 - 2007, 2005 - 2006, 2004 - 2005, 2003 - 2004, 2002 - 2003, 2001 - 2002  
ANALİZ 1 Gr-2, Undergraduate, 2017 - 2018  
KISMİ DİFERANSİYEL DENKLEMLER Gr.2, Undergraduate, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012  
DİFERANSİYEL DENKLEMLER Gr.2, Undergraduate, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014  
Calculus 2, Undergraduate, 2014 - 2015  
Lineer Cebir Gr.1, Undergraduate, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011, 2009 - 2010, 2008 - 2009, 2007 - 2008, 2006 - 2007, 2005 - 2006, 2004 - 2005  
Lineer Cebir Gr.2, Undergraduate, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011, 2009 - 2010, 2008 - 2009, 2007 - 2008, 2006 - 2007, 2005 - 2006, 2004 - 2005  
Sayısal Yöntemler, Undergraduate, 2013 - 2014, 2012 - 2013  
Lineer Cebir (Kimya Müh.), Undergraduate, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011, 2009 - 2010, 2008 - 2009, 2007 - 2008, 2006 - 2007, 2005 - 2006, 2004 - 2005  
DİFERANSİYEL DENKLEMLER Gr.1 , Undergraduate, 2012 - 2013, 2011 - 2012, 2010 - 2011, 2008 - 2009, 2007 - 2008  
Multi variable calculus and Differential Equations, Undergraduate, 2013 - 2014  
NÜMERİK ANALİZ (Kimya Müh.), Undergraduate, 2011 - 2012, 2010 - 2011, 2009 - 2010, 2008 - 2009, 2007 - 2008, 2006 - 2007, 2005 - 2006, 2004 - 2005  
Matematik 2 Gr.12, Undergraduate, 2011 - 2012, 2010 - 2011, 2009 - 2010, 2008 - 2009, 2007 - 2008, 2006 - 2007, 2005 - 2006, 2004 - 2005, 2003 - 2004  
MATEMATİK 2 Gr.21, Undergraduate, 2010 - 2011, 2008 - 2009, 2007 - 2008, 2006 - 2007, 2004 - 2005, 2003 - 2004  
NÜMERİK ANALİZ Gr.2 (Matematik Mühendisliği), Undergraduate, 2008 - 2009  
MATEMATİK 1 Gr.12, Undergraduate, 2008 - 2009, 2004 - 2005, 2003 - 2004  
NÜMERİK ANALİZ Gr.1 (Matematik Mühendisliği), Undergraduate, 2008 - 2009  
MATEMATİK 1 Gr.21, Undergraduate, 2007 - 2008, 2006 - 2007, 2003 - 2004, 2002 - 2003  
MÜHENDİSLİK MATEMATİĞİ Gr.2, Undergraduate, 2006 - 2007, 2005 - 2006  
MÜHENDİSLİK MATEMATİĞİ Gr.1, Undergraduate, 2006 - 2007, 2005 - 2006  
Programlama Dilleri, Undergraduate, 2003 - 2004

## Advising Theses

Güler C., İkinci Mertebeden Lineer Olmayan Bazı Özel Diferansiyel Denklemlerin Hermit Matris Yönetimi ile Çözümleri Üzerine, Postgraduate, S.KAPLAN(Student), Continues  
Güler C., İkinci Mertebe Lineer Olmayan Adi Diferansiyel Denklemlerin Taylor Matrisi Yöntemi ile Çözümleri Üzerine, Postgraduate, B.ŞAHİN(Student), Continues  
Güler C., Şahin R., Neutrosophic Küme Tabanlı çoklu karar verme, Doctorate, F.ALTUN(Student), 2020  
Güler C., Lineer Olmayan Adi Diferansiyel Denklemlerin Bir Sınıfının Taylor ve Hermite Serileri ile yaklaşık Çözümleri ve residüel Analizleri, Postgraduate, S.Özge(Student), 2019  
Güler C., Burger Denklemi ve Black-Scholes Tipi Denklemler için Ters Problem yaklaşımı üzerine, Doctorate, V.OBAN(Student), 2018  
Güler C., Korteweg-de Vries Denklemi için Ters Saçılma Problemi, Postgraduate, G.BAKIR(Student), 2010  
Güler C., Akbarov S., Ön Gerilmeli Tabakalarla Örtülü Ön Gerilmeli Yarı Düzleme Sabit Hızla Hareket eden Yükün Dinamik etkisi, Doctorate, E.DİNÇSOY(Student), 2009  
Güler C., Riemann Problemi ve Uygulaması, Postgraduate, E.ÇALLI(Student), 2006  
Güler C., Fourier Dönüşümü ile Dijital Görüntü İşleme, Postgraduate, E.DİNÇSOY(Student), 2003  
Güler C., Sayısal Resim Sıkıştırma Algoritmaları, Postgraduate, Ö.ÇİLİNGİR(Student), 2003

## Jury Memberships

Post Graduate, Post Graduate, Yıldız Teknik Üniversitesi, July, 2019

Doctorate, Doctorate, İstanbul Kültür Üniversitesi, May, 2019

Post Graduate, Post Graduate, Yıldız Teknik Üniversitesi, November, 2018

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Yıldız Teknik Üniversitesi, July, 2018

Post Graduate, Post Graduate, Yıldız Teknik Üniversitesi, March, 2017

Post Graduate, Post Graduate, Yıldız Teknik Üniversitesi, March, 2016

Doctorate, Tez savunma Jürisi, Kültür Üniversitesi, June, 2015

Post Graduate, Tez savunma Jürisi, Yıldız Teknik Üniversitesi, June, 2013

Post Graduate, Tez Savunma jürisi, Yıldız Teknik Üniversitesi, June, 2012

Post Graduate, Tez Savunma Jürisi, Yıldız Teknik Üniversitesi, February, 2000

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

- I. **Multi-criteria decision making approach based on PROMETHEE with probabilistic simplified neutrosophic sets**  
Altun F., Şahin R., Güler C.  
Soft Computing, vol.24, pp.4899-4915, 2020 (SCI-Expanded)
- II. **NUMERICAL SOLUTIONS OF A CLASS OF NON-LINEAR ORDINARY DIFFERENTIAL EQUATIONS IN HERMITE SERIES**  
Güler C., Kaya S. O., Sezer M.  
THERMAL SCIENCE, vol.23, 2019 (SCI-Expanded)
- III. **A Numerical Approach Based on Taylor Polynomials for Solving a Class of Nonlinear Differential Equations**  
Güler C., Kaya S. O.  
MATHEMATICAL PROBLEMS IN ENGINEERING, vol.2018, 2018 (SCI-Expanded)
- IV. **Lucas Polynomial Approach for System of High-Order Linear Differential Equations and Residual Error Estimation**  
Cetin M., Sezer M., GÜLER C.  
MATHEMATICAL PROBLEMS IN ENGINEERING, 2015 (SCI-Expanded)
- V. **Laguerre Collocation Method for Solving Fredholm Integro-Differential Equations with Functional Arguments**  
Gurbuz B., Sezer M., Güler C.  
JOURNAL OF APPLIED MATHEMATICS, 2014 (SCI-Expanded)
- VI. **Bernstein Collocation Method for Solving Nonlinear Fredholm-Volterra Integrodifferential Equations in the Most General Form**  
Akyuz-Dascioglu A., Acar N. I., GÜLER C.  
JOURNAL OF APPLIED MATHEMATICS, 2014 (SCI-Expanded)
- VII. **The Taylor Matrix Method for Approximate Solution of Lane-Emden Equation with index-n**  
Güler C., Emiroğlu İ., Taşçı F., Sivri M.  
APPLIED MATHEMATICS & INFORMATION SCIENCES, vol.7, no.4, pp.1341-1344, 2013 (SCI-Expanded)
- VIII. **A Solution Proposal to the Interval Fractional Transportation Problem**  
Güzel N., Emiroglu Y., Tapci F., Guler C., Syvry M.  
APPLIED MATHEMATICS & INFORMATION SCIENCES, vol.6, no.3, pp.567-571, 2012 (SCI-Expanded)
- IX. **Dynamical response of a pretrained system comprising a substrate and bond and covering layers to a moving load**  
Dincsoy E., Guler C., Akbarov S.  
MECHANICS OF COMPOSITE MATERIALS, vol.45, pp.527-536, 2009 (SCI-Expanded)

- X. **On the stress field in a half-plane covered by the pre-stretched layer under the action of arbitrary linearly located time-harmonic forces**  
Akbarov S. D., Guler C.  
APPLIED MATHEMATICAL MODELLING, vol.31, no.11, pp.2375-2390, 2007 (SCI-Expanded)
- XI. **The critical speed of a moving load on a prestressed plate resting on a prestressed half-plane**  
Akbarov S., Guler C., Dincsoy E.  
MECHANICS OF COMPOSITE MATERIALS, vol.43, pp.173-182, 2007 (SCI-Expanded)
- XII. **A new numerical algorithm for the Abel equation of the second kind**  
Guler C.  
INTERNATIONAL JOURNAL OF COMPUTER MATHEMATICS, vol.84, no.1, pp.109-119, 2007 (SCI-Expanded)
- XIII. **Dynamical (harmonic) interface stress field in the half-plane covered by the prestretched layer under a strip load**  
Akbarov S., Guler C.  
JOURNAL OF STRAIN ANALYSIS FOR ENGINEERING DESIGN, vol.40, no.3, pp.225-235, 2005 (SCI-Expanded)
- XIV. **Dynamic (harmonic) interfacial stress field in a half-plane covered with a prestretched soft layer**  
Guler C., Akbarov S.  
MECHANICS OF COMPOSITE MATERIALS, vol.40, no.5, pp.379-388, 2004 (SCI-Expanded)

### Articles Published in Other Journals

- I. **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, pp.6-9, 2019 (Peer-Reviewed Journal)
- II. **On the Inverse Problem of Dupire's Equation with Nonlocal Boundary and Integral Conditions**  
Güler C., Oban V.  
Journal of Mathematical Finance, vol.7, no.4, pp.934-940, 2017 (Peer-Reviewed Journal)
- III. **ON THE NUMERICAL SOLUTION OF LANE-EMDEN DIFFERENTIAL EQUATIONS WITH INDEX-M**  
Guzel N., Bayram M., Güler C.  
Far East Journal of Applied Mathematics, vol.29, no.2, pp.217-232, 2007 (Peer-Reviewed Journal)
- IV. **On the Numerical Solutions of the Abel's Differential Equation by Padé Series**  
Güler C.  
INTERNATIONAL JOURNAL OF APPLIED MATHEMATICS AND STATISTICS, vol.6, pp.110-121, 2006 (ESCI)
- V. **On The Solution of An Inverse Scattering Problem On The Semi Axis with A Self Adjoint Potensial Matrix**  
Guler C., Bayram M., Güzel N.  
INTERNATIONAL JOURNAL OF PURE AND APPLIED MATHEMATICS, no.29, pp.259-269, 2006 (Peer-Reviewed Journal)
- VI. **A Solution Proposal for Interval Solid Transportation Problem**  
Torunbalcı Aydın F., Güler C., Sivri M.  
SIGMA JOURNAL OF ENGINEERING AND NATURAL SCIENCES, vol.3, no.2006, pp.109-118, 2006 (ESCI)
- VII. **The Inverse Scattering Problem For a System of n Differential Equations on half-Axis**  
Güler C.  
Far East Journal of Applied Mathematics, vol.10, no.1, pp.55-64, 2003 (Peer-Reviewed Journal)
- VIII. **Adi Diferansiyel Denklemler Sistemi İçin Ters Saçılma Problemi**  
Güler C., İskenderov N.  
Sakarya Üniversitesi Fen edebiyat Fakültesi Dergisi, no.1, pp.90-96, 1997 (Peer-Reviewed Journal)
- IX. **Yarı Eksende Dört Adi Diferansiyel Denklemden Oluşan Sistem İçin Ters Saçılma Problemi**  
Güler C.  
SIGMA JOURNAL OF ENGINEERING AND NATURAL SCIENCES, vol.2, pp.54-64, 1988 (ESCI)

## Refereed Congress / Symposium Publications in Proceedings

- I. **Hermite Polinomial Approach for A class of Nonlinear Ordinary Equations and Residual Error Estimation**  
Güler C., Kaya S. Ö.  
ICAAMM 2018 7th International Conference on Applied Analysis and Mathematical Modelling, İstanbul, Turkey, 20 June 2018, pp.177
- II. **An Approach to Inverse Problem for Non-homogeneous Black-Scholes Equation under Some Conditions**  
Güler C., Oban V.  
ICPAS 2017 4th International Conference on Pure and Applied Sciences: Renewable Energies, İstanbul, Turkey, 23 November 2017, pp.28
- III. **Numerical Solutions of A Class of Nonlinear Ordinary Differential Equations in Hermite Series**  
Güler C., Kaya S. Ö.  
ICPAS 2017 4th International Conference on Pure and Applied Sciences: Renewable Energies, İstanbul, Turkey, 23 November 2017, pp.125
- IV. **On the Reduction of Black Scholes Equation to Heat Equation and Numerical Solution**  
Güler C., Oban V.  
International Conference on Applied Analysis and Mathematical Modelling, İstanbul, Turkey, 03 October 2017, pp.189
- V. **A Numerical Approach Based on Taylor Polynomials for Solving A Class of Nonlinear Differential Equations**  
Güler C., Kaya S. Ö., Sezer M.  
International Conference on Applied Analysis and Mathematical Modelling ICAAMM17, İstanbul, Turkey, 3 - 07 July 2017, pp.148
- VI. **A New Algorithm to the Solution of Multi Objective Linear Fractional Programming Problem with Interval Cost Coefficients Method**  
SİVRİ M., TAŞÇI F., GÜLER C., DALMAN H., GÜZEL N.  
International Conference and Workshop on Mathematical Analysis, Putrajaya, Malaysia, 27 May 2014, pp.10
- VII. **On the solution of Lane-Emden equation with index-n by Legendre polynomials**  
Güler C., Emiroğlu İ., Taşçı F., Sivri M.  
International conference and workshop on mathematical analysis, İstanbul, Turkey, 27 - 30 May 2014, pp.28
- VIII. **The Fractional Transportation Problem with Interval Demand, Supply and Costs**  
Kocken H., Emiroğlu İ., Güler C., Taşçı F., Sivri M.  
International Conference on Mathematical Sciences and Statistics (ICMSS), Kuala-Lumpur, Malaysia, 5 - 07 February 2013, vol.1557, pp.339-344
- IX. **A Solution Proposal to the Interval Fractional Transportation Problem**  
Güzel N., Emiroğlu İ., Taşçı F., Güler C., Sivri M.  
2. International Conference on Mathematics and Information Science, Sawhaj, Egypt, 10 - 13 September 2011, pp.155
- X. **The Taylor Matrix Method for Approximate Solution of Lane-Emden Equation with index-n**  
Güler C., Emiroğlu İ., Taşçı F., Sivri M.  
International Conference on Applied Analysis and Mathematical Modelling, İstanbul, Turkey, 29 June - 02 July 2011, pp.261-262
- XI. **Solution Proposal to the Transportation Problem with the Linear Fractional objective Function, Modelling**  
Sivri M., Emiroglu I., Güler C., Tasci F.  
Simulation and Applied Optimization ((ICMSS2013), 2011 4th International Conference (IC on Mathematical Sciences and statistics, Kuala-Lumpur, Malaysia, 19 - 22 April 2011, pp.78
- XII. **A Solution Proposal to the Transportation Problem with the Linear Fractional Objective Function**  
Güler C., Taşçı F., Emiroğlu İ., Sivri M.

Fourth International Conference on Modelling Simulation and Applied Optimization (ICMSAO'11), Kuala-Lumpur, Malaysia, 19 - 21 April 2011, pp.1-7

- XIII. **Dynamical Response to a Moving Load of a Prestrained System Comprising a Substrate and Bond and Covering Layers**  
Güler C., Akbarov S., Dinçsoy E.  
Fifteenth International Conference, Mechanics of Composite Materials, Riga, Latvia, 28 - 30 May 2008, pp.71-72
- XIV. **On the dynamical stress field in the pre-stretched bilayered strip resting on the rigid foundation**  
Guler C., AKBAROV S.  
7th International Conference on Vibration Problems (ICOVP 2005), İstanbul, Turkey, 5 - 09 September 2005, vol.111, pp.225-226
- XV. **On the critical velocity of a moving load on a pre-strained plate resting on a pre-strained half-plane**  
Akbarov S., Güler C., Dincsoy E.  
Mechanich of Composite Materials, Riga, Latvia, 29 May - 02 June 2006, pp.6
- XVI. **Öngerilmeli Tabaka ile Örtülü Yarı Düzleme Etki Eden Hareketli Noktasal Yükün Kritik Hızının İncelenmesi**  
Güler C., Dinçsoy E.  
Mustafa Kemal Üniversitesi, Hatay, Turkey, 12 - 16 September 2005, pp.423-429
- XVII. **On the dynamical stress field in the pre-stretched bilayered strip resting on the rigid foundation ( Springer Proceedings in Physics)**  
Güler C., Akbarov S.  
VIBRATION PROBLEMS ICOVP 2005, İstanbul, Turkey, 5 - 09 September 2005, pp.225-230
- XVIII. **Dynamic (harmonic) interfacial stress field in a half-plane covered with a prestretched soft layer**  
Güler C., Akbarov S.  
Thirteenth International Conference, Mechanics of Composite Materials, Riga, Latvia, 16 - 20 May 2004, pp.65
- XIX. **Mathematical Modelling of the Adhesion Fracture of the Coating Under Periodical Dynamic Problem**  
Güler C.  
6 th International Fracture Conference, Konya, Turkey, 10 - 12 September 2003, pp.107-114
- XX. **Ders Takibinde İnternet Modeli**  
Güler C., Elibol A., Olgun H., Emiroğlu İ.  
Bilgi Teknolojileri Kongresi, Denizli, Turkey, 4 - 05 May 2003, pp.111-112
- XXI. **Adi Diferansiyel Denklemler Sistemi İçin Ters Saçılma Problemi**  
İskenderov N., Güler C.  
Sakarya Üniversitesi Fen-Edebiyat Fakültesi, Sakarya, Turkey, 19 - 21 September 1996, pp.38
- XXII. **Adi Diferansiyel Denklemler Sistemi İçin Yarı Eksende Saçılma Problemi**  
İskenderov N., Güler C.  
Balıkesir Üniversitesi Matematik Sempozyumu, Balıkesir, Turkey, 23 - 26 May 1996, pp.13-14
- XXIII. **Monitoring Oymapınar Dam Deformations by means of Geodetic Control Network**  
Güler C., Uzel T., Hoşbaş R. G., Demirkaya S., Çamlıbel N., Çetin V.  
Earthquake Resistant Construction Design, Berlin, Germany, 13 - 16 June 1989, pp.359-369

## Other Publications

- I. **DSİ Oymapınar Barajı Deformasyon ve Deplasman Ölçümleri Araştırma Projesi**  
Uzel T., Alpmen M., Kiran H., Demirkaya S., Hoşbaş R., Güler C.  
Technical Report, pp.1-21, 1990
- II. **Büyük Yapıların Güvenliklerine Deformasyon ve Deplasman Ölçümleri Araştırma Projesi**  
Uzel T., Kiran H., Demirkaya S., Hoşbaş G., Güler C.  
Technical Report, pp.1-72, 1989

## Supported Projects

GÜLER C., Other International Funding Programs, Büyük Yapıların Güvenliklerine Deformasyon ve Deplasman Ölçümleri Araştırma Projesi, 1987 - 1992

GÜLER C., Other International Funding Programs, Oymapınar Barajı Deformasyon ve Deplasman Ölçümleri Araştırma Projesi, 1985 - 1990

## Scientific Refereeing

Neural Computing and Applications, SCI Journal, Continues

Applied Mathematics and Computation, SCI Journal, Continues

Neural Computing and Applications, SCI Journal, Continues

INTERNATIONAL JOURNAL OF COMPUTATIONAL METHODS, Journal Indexed in SCI-E, July 2019

JOURNAL OF THE FRANKLIN INSTITUTE-ENGINEERING AND APPLIED MATHEMATICS, Journal Indexed in SCI-E, July 2019

INTERNATIONAL JOURNAL OF COMPUTATIONAL METHODS, Journal Indexed in SCI-E, July 2019

MATHEMATICAL METHODS IN THE APPLIED SCIENCES, SCI Journal, June 2019

INTERNATIONAL JOURNAL OF COMPUTATIONAL METHODS, SCI Journal, May 2019

INTERNATIONAL JOURNAL OF COMPUTATIONAL METHODS, Journal Indexed in SCI-E, March 2019

INTERNATIONAL JOURNAL OF COMPUTATIONAL METHODS, Journal Indexed in SCI-E, May 2018

Mathematical Methods in the Applied Sciences, SCI Journal, November 2017

Int. J. of Computational Methods (IJCM), SCI Journal, November 2017

Mathematical Methods in the Applied Sciences, SCI Journal, August 2017

Project Supported by Higher Education Institutions, August 2017

Int. J. of Computational Methods (IJCM) , SCI Journal, July 2017

Int. J. of Computational Methods (IJCM) , SCI Journal, March 2017

Project Supported by Higher Education Institutions, March 2017

Journal of science (Celal Bayar Üniversitesi), Other Indexed Journal, November 2016

International Journal of Computational Methods, SCI Journal, October 2016

Applications and Applied Mathematics, SCI Journal, June 2016

DÜZCE UNIVERSITY JOURNAL OF SCIENCE AND TECHNOLOGY , Other Indexed Journal, January 2016

Zeitschrift für Naturforschung C(ZNC), SCI Journal, September 2015

Applied Mathematics and Computation, SCI Journal, October 2014

New Trends in Mathematical Sciences, Other Indexed Journal, October 2014

New Trends in Mathematical Science, Other Indexed Journal, August 2014

New Trends in Mathematical Sciences, SCI Journal, August 2014

Mathematical Methods in the Applied Sciences, SCI Journal, July 2014

DÜZCE UNIVERSITY JOURNAL OF SCIENCE AND TECHNOLOGY , Other Indexed Journal, June 2013

Journal of Applied Mathematics, SCI Journal, March 2013

Mathematics and Computation, SCI Journal, August 2012

Mathematical Methods in the Applied Sciences, SCI Journal, November 2011

Mathematical Methods in the Applied Sciences, SCI Journal, August 2011

Mathematical and Computer Modelling, SCI Journal, July 2011

Applied Mathematics Letters, SCI Journal, February 2011

Computers and Mathematics with Applications, SCI Journal, January 2011

Applied Mathematics and Computation, SCI Journal, November 2010

The Journal Advanced Research in Differential Equations, SCI Journal, September 2010



## **Scientific Consultations**

YTÜ, Project Consultancy, Yildiz Technical University, Faculty Of Chemical And Metallurgical Engineering, Department Of Mathematics Engineering, Turkey, 2014 - 2016

## **Metrics**

Publication: 49

Citation (WoS): 133

Citation (Scopus): 173

H-Index (WoS): 8

H-Index (Scopus): 8

## **Congress and Symposium Activities**

CAAMM 2013 International Conference on Applied Analysis and Mathematical Modelling, Session Moderator, Adana, Turkey, 2015

International Conference on Applied Analysis and Mathematical Modelling, Session Moderator, İstanbul, Turkey, 2013

## **Non Academic Experience**

Business Establishment Private, Ercanlar Otomotiv Tic. A.Ş., Bilgi İşlem  
ERCANLAR OTOMOTİV TİC.A.Ş.