

# Prof. Ahmet ŞAHİNER

## Personal Information

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## Education Information

Doctorate, Suleyman Demirel University, Fen Bilimleri Enstitüsü, Matematik, Turkey 1994 - 1998

Post Graduate, Suleyman Demirel University, Fen Bilimleri Enstitüsü, Matematik, Turkey 1991 - 1994

Under Graduate, Suleyman Demirel University, Fen Fakültesi, Matematik, Turkey 1986 - 1991

## Foreign Languages

English, C1 Advanced

## Research Areas

Mathematics, Functional Analysis, Optimization, Natural Sciences

## Academic Titles / Tasks

Professor, Suleyman Demirel University, Fen-Edebiyat, Matematik, 2014 - Continues

Associate Professor, Suleyman Demirel University, Fen-Edebiyat, Matematik, 2009 - 2014

Assistant Professor, Suleyman Demirel University, Fen Edebiyat Fakültesi, Matematik, 1998 - 2009

Research Assistant, Suleyman Demirel University, Fen Edebiyat Fakültesi, Matematik, 1993 - 1998

## Advising Theses

ŞAHİNER A., Modern Optimizasyon Teknikleri ile Eğitimde Başarının Belirlenmesi, Post Graduate, R.Akbay(Student), 2018

ŞAHİNER A., Modern Optimizasyon Teknikleri 3-Amino-4Nitraminofrozan Molekülünün Sürekli Enerji Değişiminin Belirlenmesi, Post Graduate, S.KOMAN(Student), 2018

ŞAHİNER A., MODERN VE KLASİK OPTİMİZASYON YÖNTEMLERİNİN ENTOMOLOJİDE YENİ BİR UYGULAMASI, Post Graduate, İ.Üney(Student), 2018

ŞAHİNER A., Diferansiyellenemeyen Amaç Fonksiyonları için Düzgünleştirme Yaklaşımı ve Yeni Bir Global Optimizasyon Tekniği, Doctorate, N.YILMAZ(Student), 2018

ŞAHİNER A., Bezier Eğrileri Ve Yüzeyleri İle Modern Ve Klasik Optimizasyon Teknikleri Ve Uygulamaları, Post Graduate, G.Kapusuz(Student), 2017

ŞAHİNER A., Modern Optimizasyon Teknikleri İle Glyceric Acid Molekülün Yapısını Optimize Etme (en İyileme), Post Graduate, G.Qaderi(Student), 2016

ŞAHİNER A., Yeni Global Optimizasyon Tekniği ve Uygulaması, Post Graduate, H.Gökkaya(Student), 2012

ŞAHİNER A., Lineer n-normlu uzayların tamlamasının ideal yakınsaklık karakterizasyonu, Doctorate, T.Yiğit(Student), 2012

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

- I. **New Auxiliary Function with Properties in Nonsmooth Global Optimization for Melanoma Skin Cancer Segmentation**  
Masoud Abdulhamid I. A. , ŞAHİNER A., Rahebi J.  
BIOMED RESEARCH INTERNATIONAL, vol.2020, 2020 (Journal Indexed in SCI)
- II. **New Smoothing Approximations to Piecewise Smooth Functions and Applications**  
YILMAZ N., ŞAHİNER A.  
NUMERICAL FUNCTIONAL ANALYSIS AND OPTIMIZATION, vol.40, pp.513-534, 2019 (Journal Indexed in SCI)
- III. **A new global optimization technique by auxiliary function method in a directional search**  
ŞAHİNER A., Ibrahem S. A.  
OPTIMIZATION LETTERS, vol.13, pp.309-323, 2019 (Journal Indexed in SCI)
- IV. **A NOVEL MODELING AND SMOOTHING TECHNIQUE IN GLOBAL OPTIMIZATION**  
ŞAHİNER A., YILMAZ N., KAPUSUZ G.  
JOURNAL OF INDUSTRIAL AND MANAGEMENT OPTIMIZATION, vol.15, pp.113-130, 2019 (Journal Indexed in SCI)
- V. **A descent global optimization method based on smoothing techniques via Bezier curves**  
ŞAHİNER A., YILMAZ N., KAPUSUZ G.  
CARPATHIAN JOURNAL OF MATHEMATICS, vol.33, pp.373-380, 2017 (Journal Indexed in SCI)
- VI. **Completed Optimised Structure of Threonine Molecule by Fuzzy Logic Modelling**  
ŞAHİNER A., UCUN F., KAPUSUZ G., YILMAZ N.  
ZEITSCHRIFT FÜR NATURFORSCHUNG SECTION A-A JOURNAL OF PHYSICAL SCIENCES, vol.71, pp.381-386, 2016 (Journal Indexed in SCI)
- VII. **NEW OPTIMISATION TECHNIQUES IN MECHANICAL CHARACTERISATION FOR beta-Sn SINGLE CRYSTALS**  
SAHINER A., UÇAR N., YILMAZ N.  
OXIDATION COMMUNICATIONS, vol.38, pp.166-174, 2015 (Journal Indexed in SCI)
- VIII. **Mathematical modeling and an application of the filled function method in entomology**  
ŞAHİNER A., YILMAZ N., Demirozer O.  
INTERNATIONAL JOURNAL OF PEST MANAGEMENT, vol.60, pp.232-237, 2014 (Journal Indexed in SCI)
- IX. **A Study of Rough Set Approach in Gastroenterology**  
ŞAHİNER A., YİĞİT T.  
COMPUTATIONAL AND MATHEMATICAL METHODS IN MEDICINE, 2013 (Journal Indexed in SCI)
- X. **NONLINEAR MODELLING OF THE LAYER MICROHARDNESS OF Fe-Mn BINARY ALLOYS**  
ŞAHİNER A., GOKKAYA H., UÇAR N.  
JOURNAL OF THE BALKAN TRIBOLOGICAL ASSOCIATION, vol.19, pp.508-519, 2013 (Journal Indexed in SCI)
- XI. **Statistical approximation with a sequence of 2-Banach spaces**  
GÜRDAL M., ŞAHİNER A.  
MATHEMATICAL AND COMPUTER MODELLING, vol.55, pp.471-479, 2012 (Journal Indexed in SCI)
- XII. **New sequence spaces in multiple normed spaces**  
ŞAHİNER A., Akin H. S.  
APPLIED MATHEMATICS AND COMPUTATION, vol.218, pp.1030-1035, 2011 (Journal Indexed in SCI)
- XIII. **Ideal convergence characterization of the completion of linear n-normed spaces**  
ŞAHİNER A., GÜRDAL M., YİĞİT T.  
COMPUTERS & MATHEMATICS WITH APPLICATIONS, vol.61, pp.683-689, 2011 (Journal Indexed in SCI)
- XIV. **Approximation theory in 2-Banach spaces**  
Guerdal M., ŞAHİNER A., Acik I.  
NONLINEAR ANALYSIS-THEORY METHODS & APPLICATIONS, vol.71, pp.1654-1661, 2009 (Journal Indexed in SCI)
- XV. **Ideal convergence in 2-normed spaces**  
Şahiner A., Guerdal M., Saltan S., GUNAWAN H.  
TAIWANESE JOURNAL OF MATHEMATICS, vol.11, pp.1477-1484, 2007 (Journal Indexed in SCI)
- XVI. **Fuzzy logic modeling of deflection behavior against dynamic loading in flexible pavements**  
Saltan M., Saltan S., Sahiner A.

CONSTRUCTION AND BUILDING MATERIALS, vol.21, pp.1406-1414, 2007 (Journal Indexed in SCI)

XVII. **Some new paranormed spaces defined by modulus function**

Sahiner A.

INDIAN JOURNAL OF PURE & APPLIED MATHEMATICS, vol.33, pp.1877-1888, 2002 (Journal Indexed in SCI)

## Articles Published in Other Journals

- I. **On a New Smoothing Technique for Non-smooth, Non-convex Optimization**  
YILMAZ N., ŞAHİNER A.  
Numerical Algebra Control and Optimization, 2020 (Refereed Journals of Other Institutions)
- II. **Fuzzy Logic Modeling and Optimization of Academic Achievement of Students**  
ŞAHİNER A., AKBAY R., YILMAZ N.  
Yıldız Journal of Educational Research, vol.4, pp.85-100, 2019 (Refereed Journals of Other Institutions)
- III. **A new auxiliary function approach for inequality constrained global optimization problems**  
YILMAZ N., ŞAHİNER A.  
International Journal of Optimization and Control: Theories and Applications, vol.9, pp.31-38, 2019 (Refereed Journals of Other Institutions)
- IV. **Smoothing Approximations to Non-smooth Functions**  
ŞAHİNER A., İBRAHEM S. A. , YILMAZ N.  
Journal of Multidisciplinary Modeling and Optimization, vol.1, pp.69-74, 2018 (Refereed Journals of Other Institutions)
- V. **Application of Modern and Classical Optimization Techniques in Abrasion of Al-Cu-SiCp and Al-Cu-B4Cp Composites**  
ŞAHİNER A., YILMAZ N., BEDİR F.  
Journal of Multidisciplinary Modeling and Optimization, vol.1, pp.23-32, 2018 (Refereed Journals of Other Institutions)
- VI. **Continuous Energy Values of 3-Amino-4NitraminofurazanMolecule by Modern Optimization Techniques**  
ŞAHİNER A., UCUN F., KOMAN S.  
Iranian Journal of Optimization, vol.9, pp.69-77, 2017 (Refereed Journals of Other Institutions)
- VII. **Optimized Structure Parameters and Energy of Glyceric Acid Molecule By Fuzzy Logic Approach**  
ŞAHİNER A., UCUN F., QADERİ G.  
Journal of Physical and Theoretical Chemistry, vol.13, pp.319-328, 2017 (Refereed Journals of Other Institutions)
- VIII. **Determining of The Achievement of Students by Using Classical and Modern Optimization Techniques**  
AKBAY R., ŞAHİNER A., YILMAZ N.  
Eurasian Journal of Physics and Chemistry Education, vol.8, pp.3-13, 2016 (Refereed Journals of Other Institutions)
- IX. **A NEW SMOOTHING APPROACH TO EXACT PENALTY FUNCTIONS FOR INEQUALITY CONSTRAINED OPTIMIZATION PROBLEMS**  
ŞAHİNER A., KAPUSUZ G., YILMAZ N.  
NUMERICAL ALGEBRA CONTROL AND OPTIMIZATION, vol.6, pp.161-173, 2016 (Journal Indexed in ESCI)
- X. **MULTIPLE SEQUENCES IN CONE METRIC SPACES**  
ŞAHİNER A., YILMAZ N.  
TWMS J. App. Eng. Math, vol.4, pp.226-233, 2014 (Refereed Journals of Other Institutions)
- XI. **Ideal Convergence of Multiple Sequences in Cone Metric Spaces**  
ŞAHİNER A., YİĞİT T., YILMAZ N.  
Contemporary Analysis and Applied Mathematics, vol.2, pp.116-126, 2014 (Refereed Journals of Other Institutions)
- XII. **Cost Minimization Of Recycling Processes At Eti Aluminum Plants**  
ŞAHİNER A., TURHAN İ.

- SDU Journal of Science, vol.7, pp.45-55, 2012 (Refereed Journals of Other Institutions)
- XIII. **Application of Constrained Nonlinear Programming to the Physical Problem Fe Mn Binary Alloys**  
GOKKAYA H., ŞAHİNER A.  
Acta Universitatis Apulensis, vol.0, pp.211-219, 2011 (Refereed Journals of Other Institutions)
- XIV. **An Application of Determining the Best Tax Ratios by Goal Programing**  
ŞAHİNER A., AKIN S., TÜREN B.  
Selcuk Journal of Appl. Math, vol.11, pp.93-102, 2010 (Refereed Journals of Other Institutions)
- XV. **An Application of Fuzzy Goal Programming to a Specific Diet Problem**  
ŞAHİNER A., GAMZE B.  
Journal of Natural and Applied Sciences, vol.14, pp.124-133, 2010 (Refereed Journals of Other Institutions)
- XVI. **New sequence spaces in n normed spaces with respect to an Orlicz function**  
GÜRDAL M., ŞAHİNER A.  
The Aligarh Bulletin of Mathematics, vol.27, pp.53-58, 2008 (Refereed Journals of Other Institutions)
- XVII. **Süleyman Demirel Üniversitesi Kampüsünde Güvenlik Birimi Yerleştirilmesi Optimizasyonu**  
ŞAHİNER A., ACAR S.  
Journal of Natural and Applied Sciences, vol.12, pp.168-172, 2008 (Refereed Journals of Other Institutions)
- XVIII. **Ideal Convergence in n normed spaces and some new sequence spaces via n norm**  
GÜRDAL M., ŞAHİNER A.  
Journal of Fundamental Sciences, vol.4, pp.233-244, 2008 (Refereed Journals of Other Institutions)
- XIX. **Extremal I Limit Points of Double Sequences**  
GÜRDAL M., ŞAHİNER A.  
Applied Mathematics E-Notes, vol.8, pp.131-3137, 2008 (Refereed Journals of Other Institutions)
- XX. **Some I related properties of triple sequences**  
ŞAHİNER A., BINOD CHANDRA T.  
Selcuk Journal of Applied Mathematics, vol.9, pp.9-19, 2008 (Refereed Journals of Other Institutions)
- XXI. **Triple sequences and their statistical convergence**  
ŞAHİNER A., GÜRDAL M., FATMA KADRİYE D.  
Selçuk Journal of Applied Mathematics, vol.8, pp.49-55, 2007 (Refereed Journals of Other Institutions)
- XXII. **On I Lacunary Strong Convergence in 2 Normed Spaces**  
ŞAHİNER A.  
Int. J. Contemp. Math. Sciences, vol.2, pp.991-998, 2007 (Refereed Journals of Other Institutions)

## **Books & Book Chapters**

- I. **Escaping from Current Minimizer by Using an Auxiliary Function Smoothed by Bezier Curves**  
ŞAHİNER A., ABDULHAMİD İ. A. M. , YILMAZ N.  
in: Numerical Solutions of Real-Life Nonlinear Phenomena, J. A. Tenreiro Machado, Necati Özdemir, Dumitru Baleanu, Editor, Springer, pp.87-105, 2020
- II. **Increasing the Effects of Auxiliary Function by Multiple Extrema in Global Optimization**  
ŞAHİNER A., İBRAHEM S. A. , YILMAZ N.  
in: Numerical Solutions of Real-Life Nonlinear Phenomena, J. A. Tenreiro Machado, Necati Özdemir, Dumitru Baleanu, Editor, Springer, pp.125-143, 2020
- III. **Grafikler, Fonksiyonlar ve Modeller**  
DAĞHAN H. A. , AYTAZ S., ARUĞASLAN ÇİNÇİN D., YAKIT ONGUN M., YÜCESAN A., GÜRDAL M., KIRLAR B. B. , ÖZKAN TÜKEL G., TURHAN T., ŞAHİNER A.  
in: Kalkülüse Giriş: Grafikler ve Modeller, Yusuf Civan, Editor, Nobel, Isparta, pp.1-92, 2017
- IV. **Konik Kesitler**  
DAĞHAN H. A. , AYTAZ S., ARUĞASLAN ÇİNÇİN D., YAKIT ONGUN M., YÜCESAN A., GÜRDAL M., KIRLAR B. B. , ÖZKAN TÜKEL G., TURHAN T., ŞAHİNER A.  
in: Kalkülüse Giriş, Yusuf Civan, Editor, Nobel, Ankara, pp.219-306, 2017

- V. **Diziler, Seriler ve Kombinatorikler**  
 ŞAHİNER A., YÜCESAN A., ARUĞASLAN ÇİNÇİN D., KIRLAR B. B. , ÖZKAN TÜKEL G., DAĞHAN H. A. , YAKIT ONGUN M., AYTAR S., TURHAN T.  
 in: KALKÜLÜSE GİRİŞ: Grafikler ve Modeller, Yusuf Civan, Editor, Nobel Yayıncılık, 2017
- VI. **Bölüm 3, İkinci Dereceden (Kuatratik) Fonksiyonlar ve Denklemler Eşitsizlikler**  
 YAKIT ONGUN M., ŞAHİNER A., YÜCESAN A., ARUĞASLAN ÇİNÇİN D., KIRLAR B. B. , ÖZKAN TÜKEL G., DAĞHAN H. A. , GÜRDAL M., AYTAR S., TURHAN T.  
 in: KALKÜLÜSE GİRİŞ: Grafikler ve Modeller - COLLEGE ALGEBRA Graphs and Models, Civan Yusuf, Editor, Nobel Akademik Yayıncılık Eğitim Danışmanlık Tic. Ltd. Şti., Ankara, pp.163-218, 2017
- VII. **Some Convergence Types in 2-Banach Spaces**  
 GÜRDAL M., ŞAHİNER A.  
 in: Modern Methods in Analysis and Its Applications, M. Mursaleen, Editor, Anamaya Idc Publishers, New Delhi, pp.130-137, 2010

### Refereed Congress / Symposium Publications in Proceedings

- I. **Approximated Convex Bezier Curve for the Continuation Global Optimization Approach**  
 ŞAHİNER A., YILMAZ N., ABDULHAMİD İ. A. M.  
 11. International Statistics Congress, 4 - 08 October 2019
- II. **Smoothing Techniques in Solving Absolute Value Equations**  
 YILMAZ N., ŞAHİNER A.  
 11. International Statistics Congress, 4 - 08 October 2019
- III. **A generalized hyperbolic smoothing approach for non-smooth and non-Lipschitz functions**  
 YILMAZ N., ŞAHİNER A.  
 International Conference on Mathematics and Mathematics Education, 11 July - 13 September 2019, vol.1, pp.59-60
- IV. **A New Algorithm Based on Penalty Function Approach for Inequality Constrained Global Optimization Problems**  
 YILMAZ N., ŞAHİNER A.  
 INTERNATIONAL CONFERENCE on RECENT ADVANCES in PURE AND APPLIED MATHEMATICS, 23 - 27 July 2018
- V. **Application of Modern Optimization Techniques in Determination of the Academic Achievement**  
 ŞAHİNER A., KOMAN S., AKBAY UÇAR R.  
 INTERNATIONAL CONFERENCE on RECENT ADVANCES in PURE AND APPLIED MATHEMATICS, 23 - 27 July 2018
- VI. **Smoothed Auxiliary Function with Multiple Extrema in Global Optimization**  
 ŞAHİNER A., İBRAHEM S. A.  
 INTERNATIONAL CONFERENCE on RECENT ADVANCES in PURE AND APPLIED MATHEMATICS, 23 - 27 July 2018
- VII. **Temperature and pressure based estimation of daily global solar radiation over Turkey using fuzzy logic modeling**  
 ŞAHİNER A., MASOUD ABDULHAMİD İ. A. , Ozturk M.  
 INTERNATIONAL CONFERENCE on RECENT ADVANCES in PURE AND APPLIED MATHEMATICS, 23 - 27 July 2018
- VIII. **Radiation Shielding Properties of Borided Fe-Ni Binary Alloys by Fuzzy Logic Modelling**  
 ŞAHİNER A., UÇAR N., ÇALIK A., KAPUSUZ G.  
 INTERNATIONAL CONFERENCE on RECENT ADVANCES in PURE AND APPLIED MATHEMATICS, 23 - 27 July 2018
- IX. **A New Auxiliary Function Approach for Inequality Constrained Global Optimization Problems**  
 YILMAZ N., ŞAHİNER A.  
 International Conference on Applied Mathematics in Engineering, 27 June - 29 July 2018
- X. **Smoothing Technique with Auxiliary Function Thru Bezier Curves for Global Optimization**  
 ŞAHİNER A., MASOUD ABDULHAMİD İ. A. , YILMAZ N.  
 International Conference on Applied Mathematics in Engineering, 27 - 29 June 2018
- XI. **A New Auxiliary Function Method for Unconstrained Global Optimization**  
 ŞAHİNER A., İBRAHEM S. A. , YILMAZ N.

International Conference on Applied Mathematics in Engineering, 27 - 29 June 2018

- XII. **A New Penalty Function Approach for Inequality Constrained Optimization Problems**  
YILMAZ N., ŞAHİNER A.  
Operators in Morrey-type Spaces and Applications, 10 - 13 July 2017, pp.148
- XIII. **A New Auxiliary Function Approach based on New Search Strategy**  
YILMAZ N., ŞAHİNER A.  
International Conference on Mathematics and Engineering, 10 - 12 May 2017, pp.53
- XIV. **New Global Optimization Technique by Using Auxiliary Function Method in Directional Search via Pieswise Smoothing**  
ŞAHİNER A., İBRAHEM S. A.  
international workshop on mathematical methods in engineering, 27 - 29 April 2017
- XV. **A Global Optimization Technique by Using Auxiliary Function Method in Directional Search via Bezier Surface**  
ŞAHİNER A., ABDULHAMİD İ.  
international workshop on mathematical methods in engineering, 27 - 29 April 2017
- XVI. **A New Smooth and Descent Method for Global Optimization**  
YILMAZ N., ŞAHİNER A.  
International Workshop on Mathematical Methods in Engineering, 27 - 29 April 2017, pp.139
- XVII. **Determination of the best 24-eBL application for the accumulation of antioxidant compounds in 'Alphonse Lavallee' grape cultivar by using fuzzy logic modelling**  
YİÇİT T., ŞAHİNER A., BAYDAR N. G. , BABALIK Z., DEMİRCİ T.  
10th International Symposium on Modelling in Fruit Research and Orchard Management, Montpellier, France, 05 June 2015, vol.1160, pp.381-389
- XVIII. **New Global Optimization Method for Non-Smooth Unconstrained Continuous Optimization**  
YILMAZ N., ŞAHİNER A.  
International Conference on Numerical Analysis and Applied Mathematics (ICNAAM), Rhodes, Greece, 19 - 25 September 2016, vol.1863
- XIX. **A New Mathematical Modeling Approach for the Energy of Threonine Molecule**  
ŞAHİNER A., KAPUSUZ G., YILMAZ N.  
International Conference on Numerical Analysis and Applied Mathematics (ICNAAM), Rhodes, Greece, 19 - 25 September 2016, vol.1863
- XX. **A New Smoothing Approximation to Piecewise Smooth Functions and Applications**  
YILMAZ N., ŞAHİNER A.  
International Conference on Analysis and Applications, Kırşehir, Turkey, 12 - 15 July 2016
- XXI. **A New Smoothing Method via Bezier Curve for Non smooth Functions**  
ŞAHİNER A., KAPUSUZ G., YILMAZ N.  
ICAA 2016, 12 - 15 July 2016
- XXII. **Fuzzy Logic Modeling for Estimating Daily Global Solar Radiation in Turkey Comparison with DMI Data**  
ABDULHAMİD İ., ŞAHİNER A., ÖZTÜRK M.  
EURO 2016, Poznan, Poland, 3 - 06 July 2016
- XXIII. **Fuzzy Logic Modeling for Prediction of the Nuclear Tracks**  
İBRAHEM A. S. , ŞAHİNER A., İBRAHİM A.  
EURO 2016, Poznan, Poland, 3 - 06 July 2016
- XXIV. **Optimizing the Structures of Glyceric Acid Molecule by Modern Optimization Technique**  
ŞAHİNER A., UCUN F., QADERİ G.  
INTERNATIONAL CONFERENCE ON ADVANCEMENT IN MATHEMATICAL SCIENCES, Antalya, Turkey, 5 - 07 November 2015
- XXV. **Completed Optimized Structure of Threonine Molecule by Fuzzy Logic Modelling**  
ŞAHİNER A., UCUN F., GÜLDEN K., YILMAZ N.  
INTERNATIONAL CONFERENCE ON ADVANCEMENT İN MATHEMATİCAL SCIENCES, Antalya, Turkey, 5 - 07

November 2015

- XXVI. **Completed Optimized Structure of Threonine Molecule by Fuzzy Logic Modeling**  
ŞAHİNER A., UCUN F., GÜLDEN K., YILMAZ N.  
International Conference on Advancement in Mathematical Sciences, 5 - 07 November 2015
- XXVII. **A Novel Smoothing Approach for Non smooth and Non Lipschitz Optimization**  
YILMAZ N., ŞAHİNER A.  
International Conference on Advancement in Mathematical Sciences, 5 - 07 November 2015
- XXVIII. **Fuzzy Logic Modeling and Optimization of Academic Achievements of Students**  
ŞAHİNER A., AKBAY R.  
INTERNATIONAL CONFERENCE ON APPLIED ANALYSIS AND MATHEMATICAL MODELLING, İstanbul, Turkey, 8 - 12 June 2015
- XXIX. **Fuzzy Logic Modeling Approach for Machine Learning An Application on Washing Machine**  
ŞAHİNER A., QADERİ G.  
INTERNATIONAL CONFERENCE ON APPLIED ANALYSIS AND MATHEMATICAL MODELLING, İstanbul, Turkey, 8 - 12 June 2015
- XXX. **A new smoothing approach to exact penalty functions for inequality constrained optimization problems**  
ŞAHİNER A., KAPUSUZ G., YILMAZ N.  
INTERNATIONAL CONFERENCE ON APPLIED ANALYSIS AND MATHEMATICAL MODELLING, İstanbul, Turkey, 8 - 12 June 2015
- XXXI. **Application of Modern and Classical Optimiation Techniques in Abrasion of Al Cu SiCp and Al Cu B4Cp Composites**  
ŞAHİNER A., BEDİR F., YILMAZ N.  
Joint ORSC/EURO Int. Conference 2015 on Cont. Opt, Shanghai, China, 10 - 12 May 2015
- XXXII. **A new global optimization technique for non smooth and non convex optimization**  
YILMAZ N., ŞAHİNER A.  
Joint ORSC/EURO International Conference 2015 on Continuous Optimization, 10 - 12 May 2015
- XXXIII. **Optimality Conditions and Smoothing Approach for Non Lipschitz Optimzation**  
YILMAZ N., ŞAHİNER A.  
Veszprem Optimization Conference (VOCAL), 17 - 19 December 2014
- XXXIV. **Optimality Conditions for Non lipschitz Optimization**  
YILMAZ N., ŞAHİNER A.  
International Conference on Recent Advences in Pure and Applied Mathematics, 6 - 09 November 2014
- XXXV. **A new approach to the Filled Function Method for Non Smooth Problems**  
ŞAHİNER A., YILMAZ N.  
International Congress on Honour R.P. Agarwal, 23 - 26 June 2014
- XXXVI. **Fixed Point Theorems for Multifunctions in Vector Valued Metric Spaces**  
YILMAZ N., ŞAHİNER A.  
Karatekin Mathematics Days, 11 - 13 June 2014
- XXXVII. **On Filled Function Method and Applications**  
ŞAHİNER A., YILMAZ N.  
15 International Sempodium on Econometrics, Operations Research and Statistic, Isparta, Turkey, 22 - 25 May 2014, vol.1
- XXXVIII. **Ideal Convergence of Multiple Sequences in Cone Metric Spaces**  
ŞAHİNER A., Yiğit T., YILMAZ N.  
The Algerian Turkish International days on Mathematics, İstanbul, Turkey, 12 - 14 September 2013, vol.1
- XXXIX. **New Optimization Techniques in Mechanical Characterization for  $\beta$  Sn Single Crystals**  
ŞAHİNER A., UÇAR N., YILMAZ N.  
The Algerian-Turkish International days on Mathematics, 12 - 14 September 2013
- XL. **mu statistical Convergence of Multiple Sequences in Cone Metric Spaces**  
ŞAHİNER A., YILMAZ N.

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- XLI. Mathematical Modeling and an Application of Filled Function Method in Entomology**  
YILMAZ N., ŞAHİNER A., DEMİRÖZER O.  
26th European Conference on Operational Research, Roma, Italy, 4 - 07 July 2013, vol.1, pp.422
- XLII. Multiple Sequences in Cone Metric Spaces**  
YILMAZ N., ŞAHİNER A.  
1st International Western Balkan Conference on Mathematical Sciences, Elbasan, Albania, 30 May - 01 June 2013, vol.1, pp.90-91
- XLIII. Fuzzy Logic in Diagnosing the Dermatological Diseases**  
GÜNCAN A. N. , ŞAHİNER A., YILMAZ N.  
1st International Western Balkan Conference of Mathematical Sciences, Elbasan, Albania, 30 May - 01 June 2013, vol.1
- XLIV. AN APPLICATION OF FILLED FUNCTION METHOD TO THE HARDNESS PROPERTY OF FE-MN BINARY ALLOYS**  
ŞAHİNER A., GOKKAYA H.  
10th International Conference on Fuzzy Logic and Intelligent Technologies in Nuclear Science (FLINS), İstanbul, Turkey, 26 - 29 August 2012, vol.7, pp.1161-1166
- XLV. A New Filled Function for Nonsmooth Global Optimization**  
ŞAHİNER A., GOKKAYA H., YİĞİT T.  
International Conference of Numerical Analysis and Applied Mathematics (ICNAAM), Kos, Greece, 19 - 25 September 2012, vol.1479, pp.972-974
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