

# Prof. ABDULLAH ÖZBEKLER

## Personal Information

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## International Researcher IDs

ScholarID: LZ\_8GVcAAAAJ

ORCID: 0000-0001-5196-4078

Publons / Web Of Science ResearcherID: B-1095-2009

ScopusID: 09434099700

## Education Information

Doctorate, Middle East Technical University, Graduate School Of Natural And Applied Sciences, Department of Mathematics, Turkey 1999 - 2005

Postgraduate, Middle East Technical University, Graduate School Of Natural And Applied Sciences, Department of Mathematics, Turkey 1996 - 1999

Undergraduate, Middle East Technical University, Faculty Of Education, Mathematics And Science Education, Turkey 1991 - 1995

## Foreign Languages

English, B2 Upper Intermediate

## Dissertations

Doctorate, Sturm Comparison Theory for Impulsive Differential Equations, Middle East Technical University, Graduate School Of Natural And Applied Sciences, Mathematics, 2005

Postgraduate, On Blow up of Solutions of Second Order Nonlinear Parabolic Equations, Middle East Technical University, Graduate School Of Natural And Applied Sciences, Mathematics, 1999

## Research Areas

Differential Equations, Dynamic Systems and Ergodic Theory, Functional Equations, Integral Equations, Partial Differential Equations

## Academic Titles / Tasks

Professor, Ankara University, Fen Fakültesi, Bilgisayar Bilimleri Bölümü, 2024 - Continues

Professor, Atilim University, Art and Science Faculty, Mathematics, 2017 - 2023

Associate Professor, Atilim University, Art and Science Faculty, Mathematics, 2012 - 2017

Assistant Professor, Atilim University, Art and Science Faculty, Mathematics, 2006 - 2012

Lecturer, Atılım University, Art and Science Faculty, Mathematics, 2004 - 2006

Research Assistant, Middle East Technical University, Faculty Of Arts And Sciences, Department Of Mathematics, 1996 - 2004

## Courses

Engineering Mathematics I, Undergraduate, 2023 - 2024

Analyze Giris, Undergraduate, 2024 - 2025

Analytic Geometry II, Undergraduate, 2022 - 2023, 2017 - 2018, 2015 - 2016

Complex Analysis , Undergraduate, 2022 - 2023

Differential Equations, Undergraduate, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2013 - 2014, 2011 - 2012, 2010 - 2011, 2009 - 2010, 2008 - 2009, 2006 - 2007, 2005 - 2006, 2004 - 2005, 2003 - 2004

Engineering Mathematics II, Undergraduate, 2022 - 2023

Differential Equations, Undergraduate, 2023 - 2024

Calculus I, Undergraduate, 2022 - 2023

Ordinary Differential Equations, Undergraduate, 2021 - 2022, 2019 - 2020, 2008 - 2009, 2007 - 2008

Seminar Studies, Undergraduate, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2012 - 2013, 2010 - 2011

Analytic Geometry I, Undergraduate, 2022 - 2023, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2013 - 2014

Calculus II, Undergraduate, 2021 - 2022, 2020 - 2021, 2013 - 2014, 2007 - 2008

Theory of Differential Equations , Postgraduate, 2019 - 2020, 2012 - 2013

Theory of Difference Equations, Undergraduate, 2020 - 2021

Theory of Ordinary Differential Equations, Undergraduate, 2019 - 2020, 2009 - 2010

Extended Calculus II, Undergraduate, 2019 - 2020, 2016 - 2017, 2009 - 2010, 2008 - 2009, 2005 - 2006, 2004 - 2005

Partial Differential Equations, Undergraduate, 2018 - 2019, 2011 - 2012, 2010 - 2011

Extended Calculus I, Undergraduate, 2017 - 2018, 2012 - 2013, 2009 - 2010, 2006 - 2007

Applied Mathematics, Postgraduate, 2015 - 2016

Advanced Calculus II, Undergraduate, 2013 - 2014, 2012 - 2013

Advanced Calculus I, Undergraduate, 2013 - 2014, 2012 - 2013

Introduction to Calculus, Undergraduate, 2012 - 2013

Mathematical Analysis II, Undergraduate, 2011 - 2012, 2009 - 2010, 2007 - 2008

Dynamical Systems and Chaos , Undergraduate, 2010 - 2011

Analytic Geometry, Undergraduate, 2009 - 2010, 2008 - 2009, 2005 - 2006

Mathematical Analysis III, Undergraduate, 2010 - 2011

Mathematical Analysis I, Undergraduate, 2007 - 2008

Applied Mathematics, Undergraduate, 2007 - 2008

Linear Algebra , Undergraduate, 2005 - 2006

Discrete Mathematics and Combinatorics, Undergraduate, 2005 - 2006

## Advising Theses

Özbekler A., Sturmian theory in impulsive hyperbolic equations, Doctorate, K.USLU(Student), 2023

Özbekler A., Zafer A., Asymptotic Integration of Impulsive Differential Equations, Doctorate, S.DOĞRU(Student), 2017

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

- I. **Sturmian comparison theorem for hyperbolic equations on a rectangular prism**

Ozbekler A., Isler K. U., Alzabut J.

AIMS MATHEMATICS, vol.9, no.2, pp.4805-4815, 2024 (SCI-Expanded)

- II. **OSCILLATION CRITERIA FOR NON-CANONICAL SECOND-ORDER NONLINEAR DELAY DIFFERENCE EQUATIONS WITH A SUPERLINEAR NEUTRAL TERM**  
Vidhyaa K. S., Thandapani E., Alzabut J., Ozbekler A.  
ELECTRONIC JOURNAL OF DIFFERENTIAL EQUATIONS, no.45, pp.1-12, 2023 (SCI-Expanded)
- III. **LYAPUNOV AND HARTMAN-TYPE INEQUALITIES FOR HIGHER-ORDER DISCRETE FRACTIONAL BOUNDARY VALUE PROBLEMS**  
Oguz A. D., Alzabut J., Ozbekler A., Jonnalagadda J. M.  
MISKOLC MATHEMATICAL NOTES, vol.24, no.2, pp.953-963, 2023 (SCI-Expanded)
- IV. **DE LA VALLEE POUSSIN INEQUALITY FOR IMPULSIVE DIFFERENTIAL EQUATIONS**  
Akgol S. D., Ozbekler A.  
MATHEMATICA SLOVACA, vol.71, no.4, pp.881-888, 2021 (SCI-Expanded)
- V. **New Criteria on Oscillatory and Asymptotic Behavior of Third-Order Nonlinear Dynamic Equations with Nonlinear Neutral Terms**  
Grace S. R., Alzabut J., Ozbekler A.  
ENTROPY, no.2, 2021 (SCI-Expanded)
- VI. **On the Oscillation of Even-Order Nonlinear Differential Equations with Mixed Neutral Terms**  
Kaabar M. K. A., Grace S. R., Alzabut J., Ozbekler A., Siri Z.  
JOURNAL OF FUNCTION SPACES, vol.2021, 2021 (SCI-Expanded)
- VII. **Lyapunov-type inequalities for Lidstone boundary value problems on time scales**  
Agarwal R. P., Oguz A. D., Ozbekler A.  
REVISTA DE LA REAL ACADEMIA DE CIENCIAS EXACTAS FISICAS Y NATURALES SERIE A-MATEMATICAS, vol.114, no.2, 2020 (SCI-Expanded)
- VIII. **A Sturm comparison criterion for impulsive hyperbolic equations**  
Ozbekler A., Isler K. U.  
REVISTA DE LA REAL ACADEMIA DE CIENCIAS EXACTAS FISICAS Y NATURALES SERIE A-MATEMATICAS, vol.114, no.2, 2020 (SCI-Expanded)
- IX. **Oscillation Results for a Class of Nonlinear Fractional Order Difference Equations with Damping Term**  
Selvam A. G. M., Alzabut J., Jacintha M., Ozbekler A.  
JOURNAL OF FUNCTION SPACES, vol.2020, 2020 (SCI-Expanded)
- X. **NEW RESULTS FOR OSCILLATORY PROPERTIES OF NEUTRAL DIFFERENTIAL EQUATIONS WITH A  $p$ -LAPLACIAN LIKE OPERATOR**  
Bazighifan O., Grace S. R., Alzabut J., Ozbekler A.  
MISKOLC MATHEMATICAL NOTES, vol.21, no.2, pp.631-640, 2020 (SCI-Expanded)
- XI. **On the Oscillation of Non-Linear Fractional Difference Equations with Damping**  
Alzabut J., Muthulakshmi V., Ozbekler A., Adigilzel H.  
MATHEMATICS, vol.7, no.8, 2019 (SCI-Expanded)
- XII. **Forced oscillation of sublinear impulsive differential equations via nonprincipal solution**  
Mostepha N., Ozbekler A.  
MATHEMATICAL METHODS IN THE APPLIED SCIENCES, vol.41, no.9, pp.3335-3344, 2018 (SCI-Expanded)
- XIII. **Forced oscillation of delay difference equations via nonprincipal solution**  
Ozbekler A.  
MATHEMATICAL METHODS IN THE APPLIED SCIENCES, vol.41, no.9, pp.3509-3520, 2018 (SCI-Expanded)
- XIV. **SUB-LINEAR OSCILLATIONS VIA NONPRINCIPAL SOLUTION**  
Ozbekler A.  
MATHEMATICAL REPORTS, no.3, pp.319-328, 2018 (SCI-Expanded)
- XV. **Lyapunov-type inequalities for mixed non-linear forced differential equations within conformable derivatives**  
Abdeljawad T., Agarwal R. P., Alzabut J., Jarad F., Ozbekler A.  
JOURNAL OF INEQUALITIES AND APPLICATIONS, vol.2018, 2018 (SCI-Expanded)

- XVI. **ON THE OSCILLATION OF DISCRETE VOLTERRA EQUATIONS WITH POSITIVE AND NEGATIVE NONLINEARITIES**  
Ozbekler A.  
JOURNAL OF INTEGRAL EQUATIONS AND APPLICATIONS, vol.30, no.4, pp.577-591, 2018 (SCI-Expanded)
- XVII. **Sturmian comparison theory for half-linear and nonlinear differential equations via Picone identity**  
Ozbekler A.  
MATHEMATICAL METHODS IN THE APPLIED SCIENCES, vol.40, no.8, pp.3100-3110, 2017 (SCI-Expanded)
- XVIII. **Lyapunov type inequalities for mixed nonlinear Riemann-Liouville fractional differential equations with a forcing term**  
Agarwal R. P., Ozbekler A.  
JOURNAL OF COMPUTATIONAL AND APPLIED MATHEMATICS, vol.314, pp.69-78, 2017 (SCI-Expanded)
- XIX. **Lyapunov type inequalities for second-order forced dynamic equations with mixed nonlinearities on time scales**  
Agarwal R. P., ÇETİN E., Ozbekler A.  
REVISTA DE LA REAL ACADEMIA DE CIENCIAS EXACTAS FISICAS Y NATURALES SERIE A-MATEMATICAS, vol.111, no.1, pp.231-246, 2017 (SCI-Expanded)
- XX. **LYAPUNOV TYPE INEQUALITIES FOR  $n$ TH ORDER FORCED DIFFERENTIAL EQUATIONS WITH MIXED NONLINEARITIES**  
Agarwal R. P., Ozbekler A.  
COMMUNICATIONS ON PURE AND APPLIED ANALYSIS, vol.15, no.6, pp.2281-2300, 2016 (SCI-Expanded)
- XXI. **Lyapunov type inequalities for second order forced mixed nonlinear impulsive differential equations**  
Agarwal R. P., Ozbekler A.  
APPLIED MATHEMATICS AND COMPUTATION, vol.282, pp.216-225, 2016 (SCI-Expanded)
- XXII. **On the oscillation of Volterra integral equations with positive and negative nonlinearities**  
Ozbekler A.  
MATHEMATICAL METHODS IN THE APPLIED SCIENCES, vol.39, no.6, pp.1388-1394, 2016 (SCI-Expanded)
- XXIII. **Lyapunov type inequalities for even order differential equations with mixed nonlinearities**  
Agarwal R. P., Ozbekler A.  
JOURNAL OF INEQUALITIES AND APPLICATIONS, vol.2015, 2015 (SCI-Expanded)
- XXIV. **Disconjugacy via Lyapunov and Vallee-Poussin type inequalities for forced differential equations**  
Agarwal R. P., Ozbekler A.  
APPLIED MATHEMATICS AND COMPUTATION, vol.265, pp.456-468, 2015 (SCI-Expanded)
- XXV. **Picone type formula for half-linear impulsive differential equations with discontinuous solutions**  
Ozbekler A.  
MATHEMATICAL METHODS IN THE APPLIED SCIENCES, vol.38, no.8, pp.1592-1600, 2015 (SCI-Expanded)
- XXVI. **Sturmian theory for second order differential equations with mixed nonlinearities**  
Ozbekler A.  
APPLIED MATHEMATICS AND COMPUTATION, vol.259, pp.379-389, 2015 (SCI-Expanded)
- XXVII. **LYAPUNOV TYPE INEQUALITIES FOR SECOND ORDER SUB AND SUPER-HALF-LINEAR DIFFERENTIAL EQUATIONS**  
Agarwal R. P., Ozbekler A.  
DYNAMIC SYSTEMS AND APPLICATIONS, vol.24, no.1-2, pp.211-220, 2015 (SCI-Expanded)
- XXVIII. **Oscillation criterion for half-linear differential equations with periodic coefficients**  
Dosly O., Ozbekler A., Simon Hilscher R.  
JOURNAL OF MATHEMATICAL ANALYSIS AND APPLICATIONS, vol.393, no.2, pp.360-366, 2012 (SCI-Expanded)
- XXIX. **Nonoscillation and oscillation of second-order impulsive differential equations with periodic coefficients**  
Ozbekler A., Zafer A.  
APPLIED MATHEMATICS LETTERS, vol.25, no.3, pp.294-300, 2012 (SCI-Expanded)
- XXX. **Forced oscillation of second-order nonlinear differential equations with positive and negative**

## **coefficients**

Ozbekler A., Wong J. S. W., Zafer A.

APPLIED MATHEMATICS LETTERS, vol.24, no.7, pp.1225-1230, 2011 (SCI-Expanded)

**XXXI. Oscillation of solutions of second order mixed nonlinear differential equations under impulsive perturbations**

Ozbekler A., Zafer A.

COMPUTERS & MATHEMATICS WITH APPLICATIONS, vol.61, no.4, pp.933-940, 2011 (SCI-Expanded)

**XXXII. Principal and nonprincipal solutions of impulsive differential equations with applications**

Ozbekler A., Zafer A.

APPLIED MATHEMATICS AND COMPUTATION, vol.216, no.4, pp.1158-1168, 2010 (SCI-Expanded)

**XXXIII. PICONE TYPE FORMULA FOR NON-SELFADJOINT IMPULSIVE DIFFERENTIAL EQUATIONS WITH DISCONTINUOUS SOLUTIONS**

Ozbekler A., Zafer A.

ELECTRONIC JOURNAL OF QUALITATIVE THEORY OF DIFFERENTIAL EQUATIONS, no.35, pp.1-12, 2010 (SCI-Expanded)

**XXXIV. Interval criteria for the forced oscillation of super-half-linear differential equations under impulse effects**

Ozbekler A., Zafer A.

MATHEMATICAL AND COMPUTER MODELLING, vol.50, no.1-2, pp.59-65, 2009 (SCI-Expanded)

**XXXV. Forced oscillation of super-half-linear impulsive differential equations**

Ozbekler A., Zafer A.

COMPUTERS & MATHEMATICS WITH APPLICATIONS, vol.54, no.6, pp.785-792, 2007 (SCI-Expanded)

**XXXVI. Picone's formula for linear non-selfadjoint impulsive differential equations**

Ozbekler A., Zafer A.

JOURNAL OF MATHEMATICAL ANALYSIS AND APPLICATIONS, vol.319, no.2, pp.410-423, 2006 (SCI-Expanded)

**XXXVII. Sturmian comparison theory for linear and half-linear impulsive differential equations**

Ozbekler A., Zafer A.

NONLINEAR ANALYSIS-THEORY METHODS & APPLICATIONS, vol.63, no.5-7, 2005 (SCI-Expanded)

## **Articles Published in Other Journals**

- I. **Lyapunov-type inequalities for linear hyperbolic and elliptic equations on a rectangular domain**  
Köroğlu B., Özbekler A.  
COMMUNICATIONS FACULTY OF SCIENCES UNIVERSITY OF ANKARA-SERIES A1 MATHEMATICS AND STATISTICS, vol.73, no.2, pp.529-537, 2024 (ESCI)
- II. **Generalized Lyapunov inequalities for a higher-order sequential fractional differential equation with half-linear terms**  
Ma D., ÖZBEKLER A.  
Acta Mathematica Scientia. Series A. Shuxue Wuli Xuebao. Chinese Edition, vol.40, no.6, pp.1537-1551, 2023 (Peer-Reviewed Journal)
- III. **Wong's oscillation theorem for second-order delay differential equations**  
ÖZBEKLER A., ZAFER A.  
Neliniini Kolivannya, vol.19, no.1, pp.93-100, 2016 (Scopus)
- IV. **Lyapunov type inequalities for second-order differential equations with mixed nonlinearities**  
Agarwal R. P., ÖZBEKLER A.  
Analysis. International Mathematical Journal of Analysis and its Applications, vol.36, no.4, pp.245-252, 2016 (Scopus)

## Books & Book Chapters

- I. **De La Vallée Poussin-type inequality for impulsive dynamic equations on time scales**  
DOĞRU AKGÖL S., ÖZBEKLER A.  
in: Dynamic Calculus and Equations on Time Scales, , Editor, De Gruyter, Berlin, Berlin, pp.295-304, 2023
- II. **Lyapunov inequalities and applications**  
AGARWAL R. P., BOHNER M., ÖZBEKLER A.  
Springer, Cham, Cham, 2021

## Refereed Congress / Symposium Publications in Proceedings

- I. **Forced oscillation of second-order impulsive differential equations with mixed nonlinearities**  
ÖZBEKLER A., ZAFER A.  
Differential and Difference Equations with Applications, Springer Proceedings in Mathematics & Statistics, Ponta-Delgada, Portugal, 4 - 08 July 2011, vol.47, pp.183-195
- II. **Second order oscillation of mixed nonlinear dynamic equations with several positive and negative coefficients**  
ÖZBEKLER A., ZAFER A.  
Discrete and Continuous Dynamical Systems, Dresden, Germany, 25 - 28 May 2010, pp.1167-1175
- III. **Leighton-Coles-Wintner type oscillation criteria for half-linear impulsive differential equations**  
ÖZBEKLER A., ZAFER A.  
Advances in Dynamical Systems and Applications, Missouri, United States Of America, 18 - 19 June 2009, vol.5, pp.205-214
- IV. **Oscillation criteria for second order nonlinear impulsive differential equations**  
ÖZBEKLER A.  
Further progress in analysis. Proceedings of the 6th international ISAAC congress, Ankara, Turkey, August 13--18, 2007, Ankara, Turkey, 13 - 18 August 2007, pp.545-555

## Activities in Scientific Journals

COMMUNICATIONS FACULTY OF SCIENCES UNIVERSITY OF ANKARA-SERIES A1 MATHEMATICS AND STATISTICS,  
Assistant Editor/Section Editor, 2023 - Continues

HACETTEPE JOURNAL OF MATHEMATICS AND STATISTICS, Assistant Editor/Section Editor, 2013 - Continues

TURKISH JOURNAL OF MATHEMATICS, Article Editor, 2015 - 2016

## Memberships / Tasks in Scientific Organizations

Türk Matematik Derneği, Member, 2005 - Continues, Turkey

## Metrics

Publication: 47

Citation (WoS): 278

Citation (Scopus): 304

H-Index (WoS): 10

H-Index (Scopus): 11

## Congress and Symposium Activities

- TREPAM (Recent Trends in Pure and Applied Mathematics) 2017, Invited Speaker, Cluj, Romania, 2017
- 8th WDEA (International Workshop on Differential Equations and Applications) 2017, Invited Speaker, İzmir, Turkey, 2017
- 18th International Conference DSMSI (Dynamical System Modeling and Stability Investigations) 2017, Invited Speaker, Kyiv, Ukraine, 2017
- ICAA (International Conference on Analysis and its Applications) 2016, Invited Speaker, Kırşehir, Turkey, 2016
- ICAMA (International Conference on Applied Mathematics and Analysis) 2016 in the Memory of Professor Gusein Sh. Guseinov (Hüseyin Şirin Hüseyin), Invited Speaker, Ankara, Turkey, 2016
- O.D.Equations Brno2016 on the occasion of the 60th birthday of Professor Ondrej Došlý, Invited Speaker, Brno, Czech Republic, 2016
11. Ankara Matematik Gunleri (11. AMG), Invited Speaker, Ankara, Turkey, 2016
- The 9th DEDS (International Conference on Differential Equations and Dynamical Systems), Invited Speaker, Texas, United States Of America, 2015
- International Congress in Honour of Professor Ravi P. Agarwal, Invited Speaker, Bursa, Turkey, 2014
- ICNDDE (International Conference on Nonlinear Differential and Difference Equations and Applications) 2014, Invited Speaker, Antalya, Turkey, 2014
- Dinamik Sistemler Seminerleri, Invited Speaker, Ankara, Turkey, 2013
- 6th WDEA (6th International Workshop on Differential Equations and Applications) 2013, Invited Speaker, İzmir, Turkey, 2013
26. UMS (Ulusal Matematik Sempozyumu), Invited Speaker, Diyarbakır, Turkey, 2013
- The 12th IWDSA (International Workshop on Dynamical Systems and Applications), Invited Speaker, Ankara, Turkey, 2013
8. Ankara Matematik Gunleri (8. AMG), Invited Speaker, Ankara, Turkey, 2013
- 16th International Conference DSMSI (Dynamical System Modeling and Stability Investigation) 2013, Invited Speaker, Kyiv, Ukraine, 2013
- The 11th IWDSA (International Workshop on Dynamical Systems and Applications), Invited Speaker, Ankara, Turkey, 2012
- 8th ISAAC (The International Society for Analysis, its Applications and Computation), Invited Speaker, Moscow, Russia, 2011
- 8th AIMS (American Institute of Mathematical Sciences), ICDSDEA (International Conference on Dynamical Systems, Differential Equations and Applications), Invited Speaker, Dresden, Germany, 2010
- 7th ISAAC (The International Society for Analysis, its Applications and Computation), Invited Speaker, London, England, 2009
- Dinamik Sistemler Seminerleri, Invited Speaker, Ankara, Turkey, 2009
- Dinamik Sistemler Seminerleri, Invited Speaker, Ankara, Turkey, 2008
- Ankara Diferansiyel Denklemler Seminerleri, Invited Speaker, Ankara, Turkey, 2008
- 6th ISAAC (The International Society for Analysis, its Applications and Computation), Invited Speaker, Ankara, Turkey, 2007
- Ankara Diferansiyel Denklemler Seminerleri, Invited Speaker, Ankara, Turkey, 2006
- Ankara Diferansiyel Denklemler Seminerleri, Invited Speaker, Ankara, Turkey, 2005
- Ankara Diferansiyel Denklemler Seminerleri, Invited Speaker, Ankara, Turkey, 2002

## Invited Talks

- The Proofs of Euler's Identity, Seminar, Başkent Üniversitesi, Turkey, June 2023
- Disconjugacy via Lyapunov and Vallée-Poussin type inequalities for forced differential equations, Seminar, Hacettepe Üniversitesi, Turkey, December 2017
- Disconjugacy via Lyapunov and Vallée-Poussin type inequalities for forced differential equations, Seminar, Orta Doğu

Teknik Üniversitesi, Turkey, December 2016

Disconjugacy via Lyapunov and Vallée-Poussin type inequalities for forced differential equations, Seminar, Atılım Üniversitesi, Turkey, May 2016

Disconjugacy via Lyapunov and Vallée-Poussin type inequalities for forced differential equations, Seminar, Ankara Üniversitesi, Turkey, May 2016

Disconjugacy via Lyapunov and Vallée-Poussin type inequalities for forced differential equations, Seminar, İhsan Doğramacı Bilkent Üniversitesi, Turkey, January 2016

Disconjugacy via Lyapunov and Vallée-Poussin type inequalities for forced differential equations, Seminar, Texas A&M University-Kingsville, Department of Mathematics, United States Of America, April 2015

Sturmian theory for second order differential equations with mixed nonlinearities, Seminar, Ankara Üniversitesi, Turkey, April 2014

Nonprinciple solutions and Wong's type oscillation criteria for forced second-order impulsive and delay differential equations, Seminar, Atılım Üniversitesi, Turkey, October 2013

Forced oscillation of second-order delay differential equations by means of nonprinciple solutions, Seminar, Çankaya Üniversitesi, Turkey, April 2013

Forced oscillation of second-order delay differential equations via nonprinciple solution, Seminar, Hacettepe Üniversitesi, Turkey, April 2013

Nonprincipal solutions of impulsive differential equations with applications and recent developments, Seminar, Masaryk University, Czech Republic, November 2011

## Scholarships

Post-doctoral fellowship award by The Scientific and Technological Research Council of Türkiye (TUBITAK) to perform a research in Texas A&M University- Kingsville, Kingsville, TX, USA. (Program 2219), TUBITAK, 2014 - 2015

Post-doctoral Fellowship (Masaryk University, Brno, Czechia), University, 2011 - 2011

## Awards

Özbekler A., Research Encouragement Award, Odtü Prof. Dr. Mustafa N. Parlar Eğitim Ve Araştırma Vakfı, January 2012

Özbekler A., Best PhD. Thesis Award of the Year 2005–2006, Orta Dogu Teknik Üniversitesi, June 2007