

ÖZGEÇMİŞ

Adı Soyadı: RAZİYE MERT

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Yabancı Dil: İngilizce

Akademik Alan: Uygulamalı Matematik

Çalışma Alanları: Adi Diferansiyel Denklemler, Zaman Skalasında Dinamik Denklemler, Kesirli Analiz, Salınım, Kararlılık Teorisi.

Burslar: TÜBİTAK Yüksek Lisans Bursu, TÜBİTAK Yurt Dışı Doktora Sırası Araştırma Bursu, TÜBİTAK Yurt Dışı Doktora Sonrası Araştırma Bursu.

Öğrenim Durumu:

Derece	Bölüm/Program	Üniversite	Yıl
Lisans	Matematik	Orta Doğu Teknik Üniversitesi	2002
Doktora/S.Yeterlik/ Tıpta Uzmanlık	Matematik	Orta Doğu Teknik Üniversitesi	2010

Doktora Tezi/S.Yeterlik Çalışması/Tıpta Uzmanlık Tezi Başlığı ve Danışman(lar)ı

:

Qualitative Behavior of Solutions of Dynamic Equations on Time Scales

(Prof. Dr. Ağacık Zafer)

Görevler:

Görev Ünvanı	Görev Yeri	Yıl
Araş. Gör.	Orta Doğu Teknik Üniversitesi	2002-2008
Öğr. Gör.	Çankaya Üniversitesi	2009-2010
Yrd.Doç. Dr.	Çankaya Üniversitesi	2010-2015
Yrd.Doç. Dr.	Türk Hava Kurumu Üniversitesi	2015-2016
Doç.Dr.	Türk Hava Kurumu Üniversitesi	2016-Halen

Doçentlik ünvanını aldığı tarih: 23.10.2015

Arařtırmacı Ziyaretçi:

1 Ekim 2017-31 Mart 2018, University of Nebraska Lincoln, Department of Mathematics, Lincoln, Nebraska, USA. (TUBITAK 2219 Yurt Disi Doktora Sonrasi Arastirma Burs Programi Kapsamında)

1 Ağustos 2011-31 Ekim 2011, University of Nebraska Lincoln, Department of Mathematics, Lincoln, Nebraska, USA.

1 Eylül 2008-28 Şubat 2009, University of Nebraska Lincoln, Department of Mathematics, Lincoln, Nebraska, USA. (TUBITAK 2214 Yurt Disi Doktora Sirasi Arastirma Burs Programi Kapsamında)

Lisans ve Lisansüstü düzeyde verdiği dersler:

Ordinary Differential Equations

Partial Differential Equations

Introduction to Mathematical Modelling

Complex Calculus

Calculus for Engineering I

Calculus for Engineering II

Vector Calculus and Linear Algebra

Linear Algebra

Mathematics for Business and Economics

ESERLER

A.Uluslararası hakemli dergilerde yayımlanan makaleler :

A1. RAZİYE MERT, THABET ABDELJAWAD, ALLAN PETERSON, "STURM LIOUVILLE EQUATIONS IN THE FRAME OF FRACTIONAL OPERATORS WITH MITTAG-LEFFLER KERNELS AND THEIR DISCRETE VERSIONS", DISCRETE AND CONTINUOUS DYNAMICAL SYSTEMS - SERIES S, TO APPEAR, 2019.

A2. CHURONG CHEN, RAZİYE MERT, BAOGUO JIA, LYNN ERBE, ALLAN PETERSON, "GRONWALL'S INEQUALITY FOR A NABLA FRACTIONAL DIFFERENCE SYSTEM WITH A RETARDED ARGUMENT AND AN APPLICATION", JOURNAL OF DIFFERENCE EQUATIONS AND APPLICATIONS, 25(6), 855-868, 2019.

A3. RAZİYE MERT, ALLAN PETERSON, THABET ABDELJAWAD, LYNN ERBE, "EXISTENCE AND UNIQUENESS OF SOLUTIONS OF NABLA FRACTIONAL DIFFERENCE EQUATIONS", DYNAMIC SYSTEMS AND APPLICATIONS, 28, NO. 1 (2019), 183-194.

A4. THABET ABDELJAWAD, RAZİYE MERT, DELFİM F. M. TORRES, "VARIABLE ORDER MITTAG-LEFFLER FRACTIONAL OPERATORS ON ISOLATED TIME SCALES AND APPLICATION TO THE CALCULUS OF VARIATIONS", FRACTIONAL DERIVATIVES WITH MITTAG-LEFFLER KERNEL, STUDIES IN SYSTEMS, DECISION AND CONTROL, VOL 194, 35-47, 2019. (BOOK CHAPTER).

A5. RAZIYE MERT, LYNN ERBE, THABET ABDELJAWAD, "A VARIATIONAL APPROACH OF THE STURM-LIOUVILLE PROBLEM IN FRACTIONAL DIFFERENCE CALCULUS", DYNAMIC SYSTEMS AND APPLICATIONS, 27(1), 137-148, 2018.

A6. THABET ABDELJAWAD, RAZIYE MERT, ALLAN PETERSON, "STURM LIOUVILLE EQUATIONS IN THE FRAME OF FRACTIONAL OPERATORS WITH EXPONENTIAL KERNELS AND THEIR DISCRETE VERSIONS", QAESTIONES MATHEMATICAE, DOI: 10.2989/16073606.2018.1514540, 2018.

A7. BAOGUO JIA, LYNN ERBE, RAZIYE MERT, "COMPARISON THEOREMS FOR EVEN ORDER DYNAMIC EQUATIONS ON TIME SCALES", DYNAMIC SYSTEMS AND APPLICATIONS, 23(2-3), 221-234, 2014.

A8. BAOGUO JIA, LYNN ERBE, RAZIYE MERT, "A WONG-TYPE NECESSARY AND SUFFICIENT CONDITION FOR NONOSCILLATION OF SECOND ORDER LINEAR DYNAMIC EQUATIONS ON TIME SCALES", COMMUNICATIONS IN APPLIED ANALYSIS, 18, 41-58, 2014.

A9. BAOGUO JIA, LYNN ERBE, RAZIYE MERT, "A HALANAY-TYPE INEQUALITY ON TIME SCALES IN HIGHER DIMENSIONAL SPACES", MATHEMATICAL INEQUALITIES & APPLICATIONS, 17(3), 813-821, 2014.

A10. SAID R. GRACE, RAZIYE MERT, AĞACIK ZAFER, "OSCILLATORY BEHAVIOR OF HIGHER ORDER NEUTRAL TYPE DYNAMIC EQUATIONS", ELECTRONIC JOURNAL OF QUALITATIVE THEORY OF DIFFERENTIAL EQUATIONS, 29, 1-15, 2013.

A11. LYNN ERBE, RAZIYE MERT, ALLAN PETERSON, AĞACIK ZAFER, "OSCILLATION OF EVEN ORDER NONLINEAR DELAY DYNAMIC EQUATIONS ON TIME SCALES", CZECHOSLOVAK MATHEMATICAL JOURNAL, 63(1), 265-279, 2013.

A12. RAZIYE MERT, "OSCILLATION OF HIGHER ORDER NEUTRAL DYNAMIC EQUATIONS ON TIME SCALES", ADVANCES IN DIFFERENCE EQUATIONS, 2012:68, 1-11, 2012.

A13. LYNN ERBE, RAZIYE MERT, ALLAN PETERSON, "SPECTRAL PARAMETER POWER SERIES FOR STURM-LIOUVILLE EQUATIONS ON TIME SCALES", APPLIED MATHEMATICS AND COMPUTATION, 218(14), 7671-7678, 2012.

A14. LYNN ERBE, RAZIYE MERT, "ON THE OSCILLATION OF SOLUTIONS OF A NONLINEAR DYNAMIC SYSTEM ON TIME SCALES", COMMUNICATIONS IN APPLIED ANALYSIS, 16(3), 309-316, 2012.

A15. RAZIYE MERT, AĞACIK ZAFER, "ON DISCONJUGACY AND STABILITY CRITERIA FOR DISCRETE HAMILTONIAN SYSTEMS", COMPUTERS & MATHEMATICS WITH APPLICATIONS, 62(8), 3015-3026, 2011.

A16. LYNN ERBE, RAZIYE MERT, "OSCILLATION FOR A NONLINEAR DYNAMIC SYSTEM ON TIME SCALES", JOURNAL OF DIFFERENCE EQUATIONS AND APPLICATIONS, 17(9), 1333-1350, 2011.

A17. RAZİYE MERT, AĞACIK ZAFER, "TIME SCALE EXTENSIONS OF A THEOREM OF WINTNER ON SYSTEMS WITH ASYMPTOTIC EQUILIBRIUM", JOURNAL OF DIFFERENCE EQUATIONS AND APPLICATIONS, 17(5), 841-857, 2011.

A18. LYNN ERBE, RAZİYE MERT, "SOME NEW OSCILLATION RESULTS FOR A NONLINEAR DYNAMIC SYSTEM ON TIME SCALES", APPLIED MATHEMATICS AND COMPUTATION, 215(7), 2405-2412, 2009.

B. Uluslararası bilimsel toplantılarda sunulan ve bildiri kitabında (*Proceedings*) basılan bildiriler :

B1. RAZİYE MERT, AĞACIK ZAFER, THE 8th AIMS INTERNATIONAL CONFERENCE konferansı dahilinde "DISCRETE AND CONTINUOUS DYNAMICAL SYSTEMS-SUPPLEMENT 2011" bildiri kitapçığındaki "A NECESSARY AND SUFFICIENT CONDITION FOR OSCILLATION OF SECOND ORDER SUBLINEAR DELAY DYNAMIC EQUATIONS", 1061-1067, DRESDEN, GERMANY, 25-28 MAY 2010.

B2. RAZİYE MERT, AĞACIK ZAFER, The 6th INTERNATIONAL ISAAC CONGRESS konferansı dahilinde "FURTHER PROGRESS IN ANALYSIS: PROCEEDINGS OF THE 6th INTERNATIONAL ISAAC CONGRESS" bildiri kitapçığındaki "EVENTUALLY POSITIVE SOLUTIONS OF SECOND-ORDER SUPERLINEAR DYNAMIC EQUATIONS", 535-544, ANKARA, TURKEY, 13 - 18 August 2007.

B3. BİLLUR KAYMAKÇALAN, RAZİYE MERT, AĞACIK ZAFER, THE 6th AIMS INTERNATIONAL CONFERENCE konferansı dahilinde "DISCRETE AND CONTINUOUS DYNAMICAL SYSTEMS-SUPPLEMENT 2007" bildiri kitapçığındaki "ASYMPTOTIC EQUIVALENCE OF DYNAMIC SYSTEMS ON TIME SCALES", 558-567, POITIERS, FRANCE, 25 - 28 JUNE 2006.

KATILDIĞI BİLİMSEL TOPLANTILAR

C. ULUSLARARASI

C1. International Conference on Mathematics and Mathematics Education (ICMME-2018), Ordu University, 27-29 June, 2018.

C2. International Conference on Mathematics and Mathematics Education (ICMME-2017), Harran University, Şanlıurfa, Turkey, 11-13 May, 2017.

C3. DSMSI - 2013, Dynamical System Modeling and Stability Investigation, Taras Shevchenko National University, May 29-31, 2013, Kiev, Ukraine.

C4. 11th International Workshop on Dynamical Systems and Applications, Çankaya University, June 26-28, 2012, Ankara, Turkey.

C5. AMS Fall 2011 Central Section Meeting, University of Nebraska Lincoln, October 14-16, 2011, Lincoln, NE, USA.

C6. 31st Southeastern Atlantic Regional Conference on Differential Equations, Georgia Southern University, September 30-October 1st, 2011, Savannah, GA, USA.

C7. The 8th AIMS Conference on Dynamical Systems, Differential Equations and Applications, Dresden University of Technology, Dresden, Germany, May 25-28, 2010.

C8. 14th International Conference on Difference Equations and Applications, Bahçeşehir University, İstanbul, Turkey, 21-25 July, 2008.

C9. 6th International ISAAC Congress, METU, Ankara, Turkey, 13-18 August, 2007.

C10. AIMS Sixth International Conference on Dynamical Systems, Differential Equations and Applications, University of Poitiers, Poitiers, France, 25-28 June, 2006.

C11. The First International Workshop on Dynamic Equations on Time Scales, Bahçeşehir University, İstanbul, Turkey, 27 June-1 July, 2005.

D. ULUSAL

D1. 8. Ankara Matematik Günleri, Çankaya Üniversitesi, Ankara, Türkiye, 13-14 Haziran, 2013.

D2. 7. Ankara Matematik Günleri, Bilkent Üniversitesi, Ankara, Türkiye, 31 Mayıs-1 Haziran, 2012.

D3. 6. Ankara Matematik Günleri, Hacettepe Üniversitesi, Ankara, Türkiye, 2-3 Haziran, 2011.

D4. 5. Ankara Matematik Günleri, TOBB-ETÜ, Ankara, Türkiye, 3-4 Haziran, 2010.

D5. 9. Dinamik Sistemler Çalıştayı, İzmir Üniversitesi, İzmir, Türkiye, 18-19 Haziran, 2009.

D6. 4. Ankara Matematik Günleri, ODTÜ, Ankara, Türkiye, 4-5 Haziran, 2009.

D7. 8. Diferansiyel Denklemler Çalıştayı, Yeditepe Üniversitesi, İstanbul, Türkiye, 19-21 Haziran, 2008.

D8. Workshop on Differential Equations and Applications, METU, Ankara, Turkey, 8-10 February, 2007.

D9. Ankara Differential Equations Seminars, Atılım University, Ankara, Turkey, 9 June, 2006.

ULUSAL VE ULUSLARARASI BİLİMSEL TOPLANTILARDA SUNULAN SÖZLÜ SUNUMLAR

E. ULUSLARARASI

E1. A HALANAY TYPE INEQUALITY ON TIME SCALES IN HIGHER DIMENSIONAL SPACES, DSMSI-2013, Dynamical System Modeling and Stability Investigation, Kiev, Ukraine, 2013.

E2. A HALANAY TYPE INEQUALITY ON TIME SCALES IN HIGHER DIMENSIONAL SPACES, 11th International Workshop on Dynamical Systems and Applications, Ankara, Turkey, 2012.

E3. OSCILLATION OF EVEN ORDER NONLINEAR DELAY DYNAMIC EQUATIONS ON TIME SCALES, AMS Fall 2011 Central Section Meeting, Lincoln, NE, USA, 2011.

E4. OSCILLATION OF EVEN ORDER NONLINEAR DELAY DYNAMIC EQUATIONS ON TIME SCALES, 31st Southeastern Atlantic Regional Conference on Differential Equations, Savannah, GA, USA, 2011.

E5. A NECESSARY AND SUFFICIENT CONDITION FOR OSCILLATION OF SECOND ORDER SUBLINEAR DELAY DYNAMIC EQUATIONS, The 8th AIMS Conference on Dynamical Systems, Differential Equations and Applications, Dresden University of Technology, Dresden, Germany, 2010.

E6. TIME SCALE EXTENSIONS OF A THEOREM OF WINTNER ON SYSTEMS WITH ASYMPTOTIC EQUILIBRIUM, 14th International Conference on Difference Equations and Applications, İstanbul, Turkey, 2008.

E7. EXTENSIONS OF A THEOREM OF WINTNER ON DYNAMIC SYSTEMS ON TIME SCALES WITH ASYMPTOTICALLY CONSTANT SOLUTIONS, 6th International ISAAC Congress, Ankara, Turkey, 2007.

E8. ASYMPTOTIC EQUIVALENCE OF DYNAMIC SYSTEMS ON TIME SCALES, AIMS Sixth International Conference on Dynamical Systems, Differential Equations and Applications, Poitiers, France, 2006.

F. ULUSAL

F1. KESİKLİ KESİRLİ KALKÜLÜSDE SUMUDU DÖNÜŞÜMÜ, 7. Ankara Matematik Günleri, Bilkent Üniversitesi, Ankara, Türkiye, 2012.

F2. OSCILLATION FOR A NONLINEAR DYNAMIC SYSTEM ON TIME SCALES, 9th Dynamic Systems Workshop, İzmir, Turkey, 2009.

F3. ASYMPTOTIC BEHAVIOR OF DYNAMIC SYSTEMS ON TIME SCALES, Ankara Differential Equations Seminars, Atılım University, Ankara, Turkey, 2006.

HAKEMLİK YAPTIĞI BİLİMSEL DERGİLER

Advances in Difference Equations
Applied Mathematics and Computation
Computers and Mathematics with Applications
Dynamics of Discrete, Continuous and Impulsive Systems- Series A
Hacettepe Journal of Mathematics and Statistics
Journal of Mathematical Inequalities
Journal of Applied Mathematics and Computing
Journal of Advanced Research
Progress in Applied Mathematics
Mathematical Reviews
Mathematical and Computer Modelling

KONFERANS ORGANİZASYONLARI

G. ULUSLARARASI

G1. Member of the Organizing Committee of The International Conference on Mathematics and Mathematics Education (ICMME-2018), Ordu University, 27-29 June, 2018.

G2. Member of the Organizing Committee of The International Conference on Mathematics and Mathematics Education (ICMME-2017), Harran University, Sanliurfa, Turkey, 11-13 May, 2017.

G3. Member of the Organizing Committee of The 11th International Workshop on Dynamical Systems and Applications, Çankaya University, Ankara, Turkey, 26-28 June, 2012.

G4. Member of the Organization Committee of the 3rd International Conference on Nonlinear Science and Complexity, Çankaya University, Ankara, Turkey, 28-31 July, 2010.

G5. Member of the Organization Committee of New Trends in Nanotechnology and Nonlinear Dynamical Systems, Çankaya University, Ankara, Turkey, 25-27 July, 2010.

H. ULUSAL

H1. 8. Ankara Matematik Günleri, Çankaya Üniversitesi, Ankara, Türkiye, 13-14 Haziran 2013.