

## Prof. Dr. BAŐAK KARPUZ

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### Uluslararası AraŐtırmacı ID'leri

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### EĐitim Bilgileri

Doktora, Afyon Kocatepe Üniversitesi, Fen Bilimleri Enstitüsü, Matematik (Dr), Türkiye 2008 - 2012

Yüksek Lisans, Afyon Kocatepe Üniversitesi, Fen Bilimleri Enstitüsü, Matematik (YI) (Tezli), Türkiye 2006 - 2008

Lisans, Afyon Kocatepe Üniversitesi, Fen-Edebiyat Faköltesi, Matematik Bölümü, Türkiye 2002 - 2006

### Yabancı Diller

İngilizce, C1 İleri

### YaptıĐı Tezler

Doktora, Zaman skalasında dinamik denklemlerin çözümlerinin asimptotik davranıŐı, Afyon Kocatepe Üniversitesi, Fen Bilimleri Enstitüsü, Matematik (Dr), 2012

Yüksek Lisans, Zaman skalasında birinci mertebeden dinamik denklemlerin salınımlılıĐı, Afyon Kocatepe Üniversitesi, Fen Bilimleri Enstitüsü, Matematik (YI) (Tezli), 2008

### AraŐtırma Alanları

Diferansiyel denklemler, Fark Denklemleri ve Fonksiyonel Denklemler, İntegral Denklemleri, Özel Foksiyonlar, Temel Bilimler

### Akademik Unvanlar / Görevler

Prof. Dr., Dokuz Eylöl Üniversitesi, Fen Faköltesi, Matematik Bölümü, 2020 - Devam Ediyor

Doç. Dr., Dokuz Eylöl Üniversitesi, Fen Faköltesi, Matematik Bölümü, 2014 - 2020

Araştırma Görevlisi Dr., Afyon Kocatepe Üniversitesi, Fen-Edebiyat Fakültesi, Matematik Bölümü, 2012 - 2014  
Araştırma Görevlisi, Afyon Kocatepe Üniversitesi, Fen-Edebiyat Fakültesi, Matematik Bölümü, 2007 - 2012

## Akademik İdari Deneyim

Bölüm Başkanı, Dokuz Eylül Üniversitesi, Fen Fakültesi, Matematik Bölümü, 2020 - 2023  
Dekan Yardımcısı, Dokuz Eylül Üniversitesi, Fen Fakültesi, Matematik Bölümü, 2018 - 2020

## Verdiği Dersler

Uygulamalı Matematik, Yüksek Lisans, 2023 - 2024, 2022 - 2023, 2021 - 2022  
Proje, Lisans, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2017 - 2018  
Uygulamalı Matematik, Yüksek Lisans, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2017 - 2018, 2016 - 2017  
Nümerik ve Yaklaşık Yöntemler, Yüksek Lisans, 2023 - 2024, 2022 - 2023  
Bitirme Projesi, Lisans, 2023 - 2024  
Doktora Uzmanlık Alanı, Yüksek Lisans, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021  
Yüksek Lisans Tez, Yüksek Lisans, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016  
Yüksek Lisans Uzmanlık Alanı, Yüksek Lisans, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016  
Diferansiyel Denklemler II, Lisans, 2020 - 2021, 2019 - 2020, 2015 - 2016, 2014 - 2015  
Dr. Seminer, Yüksek Lisans, 2021 - 2022  
Zaman Skalası, Yüksek Lisans, 2021 - 2022, 2016 - 2017  
Uygulamalı Matematiğin Metodları, Yüksek Lisans, 2020 - 2021  
YL Seminer, Yüksek Lisans, 2019 - 2020, 2018 - 2019, 2016 - 2017  
Diferansiyel Denklemler I, Lisans, 2020 - 2021, 2019 - 2020, 2014 - 2015  
Kalkülüs II, Lisans, 2018 - 2019  
Bölüm İçi Seçmeli Proje, Lisans, 2017 - 2018, 2016 - 2017  
Kalkülüs I, Lisans, 2018 - 2019  
Matematik II, Lisans, 2017 - 2018, 2016 - 2017, 2014 - 2015  
Bölüm İçi Seçmeli Proje, Lisans, 2017 - 2018, 2016 - 2017  
İleri Analiz II, Lisans, 2016 - 2017  
Diferansiyel Denklemler II, Lisans, 2016 - 2017, 2014 - 2015  
Diferansiyel Denklemler ve Lineer Cebir, Lisans, 2017 - 2018  
Matematik I, Lisans, 2017 - 2018, 2014 - 2015  
Matematik III, Lisans, 2016 - 2017, 2015 - 2016, 2014 - 2015  
Uygulamalı Matematik, Yüksek Lisans, 2015 - 2016, 2014 - 2015  
Fark Denklemler, Lisans, 2015 - 2016  
Diferansiyel Denklemler I, Lisans, 2015 - 2016  
Uygulamalı Matematik, Yüksek Lisans, 2015 - 2016, 2014 - 2015  
Kalkülüs II, Lisans, 2014 - 2015  
Analiz I, Lisans, 2014 - 2015

## Yönetilen Tezler

Karpuz B., Solutions of dynamic equations of second order on time scales, Yüksek Lisans, G.MOLO(Öğrenci), 2023  
Karpuz B., Iterated oscillation tests for difference equations with variable coefficients, Yüksek Lisans, Z.ÖZSEVER(Öğrenci), 2021

Karpuz B., Product type oscillation tests for partial difference equations with variable coefficients, Yüksek Lisans, B.ÖZSAVAŞ(Öğrenci), 2021

## Jüri Üyelikleri

Akademik Kadroya Atama-Profesörlük, Akademik Kadroya Atama-Profesörlük, Bolu Abant İzzet Baysal Üniversitesi, Şubat, 2024

Akademik Kadroya Atama-Doçentlik, Akademik Kadroya Atama-Doçentlik, Karamanoğlu Mehmetbey Üniversitesi, Aralık, 2023

Akademik Kadroya Atama-Doçentlik, Akademik Kadroya Atama-Doçentlik, Özyeğin Üniversitesi, Mayıs, 2023

Akademik Kadroya Atama-Doçentlik, Akademik Kadroya Atama-Doçentlik, Dokuz Eylül Üniversitesi, Şubat, 2023

Doçentlik Sınavı, Doçentlik Sınavı, Ankara Yıldırım Beyazıt Üniversitesi, Mart, 2022

Akademik Kadroya Atama-Yardımcı Doçentlik, Akademik Kadroya Atama, Konya Teknik Üniversitesi, Eylül, 2021

Doçentlik Sınavı, Doçentlik Sınavı, Batman Üniversitesi, Eylül, 2021

Doçentlik Sınavı, Doçentlik Sınavı, İzmir Ekonomi Üniversitesi, Haziran, 2021

Doçentlik Sınavı, Doçentlik Sınavı, Boğaziçi Üniversitesi, Ekim, 2020

Doçentlik Sınavı, Doçentlik Sınavı, Marmara Üniversitesi, Ekim, 2020

Doçentlik Sınavı, Doçentlik Sınavı, Alanya Alaaddin Keykubat Üniversitesi, Mart, 2020

Akademik Kadroya Atama-Yardımcı Doçentlik, Akademik Kadroya Atama, Dokuz Eylül Üniversitesi, Eylül, 2017

## SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **A Test for Global Attractivity of Linear Dynamic Equations with Delay**  
Alsharif N. H. M., KARPUZ B.  
Qualitative Theory of Dynamical Systems, cilt.23, sa.3, 2024 (SCI-Expanded)
- II. **Yoneyama's 3/2 test for the asymptotic stability of delay dynamic equations**  
Alsharif N. H. M., KARPUZ B.  
International Journal of Control, 2024 (SCI-Expanded)
- III. **An iterative oscillation test for delay difference equations**  
KARPUZ B., Ozsever Z.  
HACETTEPE JOURNAL OF MATHEMATICS AND STATISTICS, cilt.51, sa.1, ss.74-82, 2022 (SCI-Expanded)
- IV. **Oscillation and Nonoscillation of Difference Equations with Several Delays**  
KARPUZ B., Stavroulakis I. P.  
MEDITERRANEAN JOURNAL OF MATHEMATICS, cilt.18, sa.1, 2021 (SCI-Expanded)
- V. **An improved product type oscillation test for partial difference equations**  
KARPUZ B., Ozsavas B.  
APPLIED MATHEMATICS AND COMPUTATION, cilt.391, 2021 (SCI-Expanded)
- VI. **New criteria for the oscillation and asymptotic behavior of second-order neutral differential equations with several delays**  
KARPUZ B., Santra S. S.  
TURKISH JOURNAL OF MATHEMATICS, cilt.44, sa.6, ss.1990-2003, 2020 (SCI-Expanded)
- VII. **Sharp oscillation and nonoscillation tests for delay dynamic equations**  
KARPUZ B.  
MATHEMATICAL METHODS IN THE APPLIED SCIENCES, cilt.42, sa.9, ss.2993-3001, 2019 (SCI-Expanded)
- VIII. **Hille-Nehari theorems for dynamic equations with a time scale independent critical constant**  
KARPUZ B.  
APPLIED MATHEMATICS AND COMPUTATION, cilt.346, ss.336-351, 2019 (SCI-Expanded)
- IX. **Oscillation theorems for second-order nonlinear delay differential equations of neutral type**  
KARPUZ B., Santra S. S.

- HACETTEPE JOURNAL OF MATHEMATICS AND STATISTICS, cilt.48, sa.3, ss.633-643, 2019 (SCI-Expanded)
- X. **PHILOS' INEQUALITY ON TIME SCALES AND ITS APPLICATION IN THE OSCILLATION THEORY**  
KARPUZ B.  
MATHEMATICAL INEQUALITIES & APPLICATIONS, cilt.21, sa.4, ss.1029-1046, 2018 (SCI-Expanded)
- XI. **On the existence and uniqueness of solutions to dynamic equations**  
KARPUZ B.  
TURKISH JOURNAL OF MATHEMATICS, cilt.42, sa.3, ss.1072-1089, 2018 (SCI-Expanded)
- XII. **Sharp oscillation and nonoscillation tests for linear difference equations**  
KARPUZ B.  
JOURNAL OF DIFFERENCE EQUATIONS AND APPLICATIONS, cilt.23, sa.12, ss.1929-1942, 2017 (SCI-Expanded)
- XIII. **On Different Types of Stability for Linear Delay Dynamic Equations**  
Braverman E., KARPUZ B.  
ZEITSCHRIFT FUR ANALYSIS UND IHRE ANWENDUNGEN, cilt.36, sa.3, ss.343-375, 2017 (SCI-Expanded)
- XIV. **Analyticity of the Complex Time Scale Exponential**  
KARPUZ B.  
COMPLEX ANALYSIS AND OPERATOR THEORY, cilt.11, sa.1, ss.21-34, 2017 (SCI-Expanded)
- XV. **Nonoscillation and oscillation of second-order linear dynamic equations via the sequence of functions technique**  
KARPUZ B.  
JOURNAL OF FIXED POINT THEORY AND APPLICATIONS, cilt.18, sa.4, ss.889-903, 2016 (SCI-Expanded)
- XVI. **New oscillation tests and some refinements for first-order delay dynamic equations**  
KARPUZ B., ÖCALAN Ö.  
TURKISH JOURNAL OF MATHEMATICS, cilt.40, sa.4, ss.850-863, 2016 (SCI-Expanded)
- XVII. **Comparison tests for the asymptotic behaviour of higher-order dynamic equations of neutral type**  
KARPUZ B.  
FORUM MATHEMATICUM, cilt.27, sa.5, ss.2759-2773, 2015 (SCI-Expanded)
- XVIII. **Oscillation and stability of first-order delay differential equations with retarded impulses**  
KARPUZ B.  
ELECTRONIC JOURNAL OF QUALITATIVE THEORY OF DIFFERENTIAL EQUATIONS, sa.66, 2015 (SCI-Expanded)
- XIX. **Asymptotic stability of the complex dynamic equation  $u(\Delta) - z.u + w.u(\sigma) = 0$**   
KARPUZ B.  
JOURNAL OF MATHEMATICAL ANALYSIS AND APPLICATIONS, cilt.421, sa.1, ss.925-937, 2015 (SCI-Expanded)
- XX. **OSCILLATION OF SOLUTIONS OF LINEAR IMPULSIVE PARTIAL DIFFERENCE EQUATIONS WITH CONTINUOUS VARIABLES**  
KARPUZ B.  
ELECTRONIC JOURNAL OF DIFFERENTIAL EQUATIONS, 2014 (SCI-Expanded)
- XXI. **Volterra Theory on Time Scales**  
KARPUZ B.  
RESULTS IN MATHEMATICS, cilt.65, sa.3-4, ss.263-292, 2014 (SCI-Expanded)
- XXII. **Necessary and sufficient conditions on the asymptotic behavior of second-order neutral delay dynamic equations with positive and negative coefficients**  
KARPUZ B.  
MATHEMATICAL METHODS IN THE APPLIED SCIENCES, cilt.37, sa.8, ss.1219-1231, 2014 (SCI-Expanded)
- XXIII. **Sufficient conditions for the oscillation and asymptotic behaviour of higher-order dynamic equations of neutral type**  
KARPUZ B.  
APPLIED MATHEMATICS AND COMPUTATION, cilt.221, ss.453-462, 2013 (SCI-Expanded)
- XXIV. **Li type oscillation theorem for delay dynamic equations**  
KARPUZ B.  
MATHEMATICAL METHODS IN THE APPLIED SCIENCES, cilt.36, sa.9, ss.993-1002, 2013 (SCI-Expanded)
- XXV. **Further properties of the Laplace transform on time scales with arbitrary graininess**

- Bohner M., Guseinov G. S., KARPUZ B.  
INTEGRAL TRANSFORMS AND SPECIAL FUNCTIONS, cilt.24, sa.4, ss.289-301, 2013 (SCI-Expanded)
- XXVI. **On stability of delay difference equations with variable coefficients: successive products tests**  
Braverman E., KARPUZ B.  
ADVANCES IN DIFFERENCE EQUATIONS, cilt.2012, 2012 (SCI-Expanded)
- XXVII. **Uniform exponential stability of first-order dynamic equations with several delays**  
Braverman E., KARPUZ B.  
APPLIED MATHEMATICS AND COMPUTATION, cilt.218, sa.21, ss.10468-10485, 2012 (SCI-Expanded)
- XXVIII. **On global asymptotic stability of nonlinear higher-order difference equations**  
Braverman E., KARPUZ B.  
JOURNAL OF COMPUTATIONAL AND APPLIED MATHEMATICS, cilt.236, sa.11, ss.2803-2812, 2012 (SCI-Expanded)
- XXIX. **On Monotonicity of Nonoscillation Properties of Dynamic Equations in Time Scales**  
Braverman E., KARPUZ B.  
ZEITSCHRIFT FUR ANALYSIS UND IHRE ANWENDUNGEN, cilt.31, sa.2, ss.203-216, 2012 (SCI-Expanded)
- XXX. **Oscillation of first order differential equations with retarded arguments**  
KARPUZ B.  
Mathematica Slovaca, cilt.62, sa.2, ss.247-256, 2012 (SCI-Expanded)
- XXXI. **On oscillation of differential and difference equations with non-monotone delays**  
Braverman E., KARPUZ B.  
APPLIED MATHEMATICS AND COMPUTATION, cilt.218, sa.7, ss.3880-3887, 2011 (SCI-Expanded)
- XXXII. **COMPARISON CRITERIA FOR THE OSCILLATION OF MIXED-TYPE IMPULSIVE DIFFERENCE EQUATIONS WITH CONTINUOUS ARGUMENTS**  
KARPUZ B., ÖCALAN Ö., Ozturk S.  
HACETTEPE JOURNAL OF MATHEMATICS AND STATISTICS, cilt.40, sa.2, ss.265-272, 2011 (SCI-Expanded)
- XXXIII. **SOME GENERALIZATIONS FOR OPIAL'S INEQUALITY INVOLVING SEVERAL FUNCTIONS AND THEIR DERIVATIVES OF ARBITRARY ORDER ON ARBITRARY TIME SCALES**  
KARPUZ B., ÖZKAN U. M.  
MATHEMATICAL INEQUALITIES & APPLICATIONS, cilt.14, sa.1, ss.79-92, 2011 (SCI-Expanded)
- XXXIV. **Properties of the Laplace transform on time scales with arbitrary graininess**  
Bohner M., Guseinov G. S., KARPUZ B.  
INTEGRAL TRANSFORMS AND SPECIAL FUNCTIONS, cilt.22, sa.11, ss.785-800, 2011 (SCI-Expanded)
- XXXV. **Nonoscillation of second order dynamic equations with several delays**  
BRAVERMAN E., KARPUZ B.  
Abstract And Applied Analysis, cilt.2011, sa.591254, ss.1-34, 2011 (SCI-Expanded)
- XXXVI. **Necessary and Sufficient Conditions for the Oscillation of Differential Equations Involving Distributed Arguments**  
Dix J. G., KARPUZ B., Rath R.  
ELECTRONIC JOURNAL OF QUALITATIVE THEORY OF DIFFERENTIAL EQUATIONS, sa.19, ss.1-15, 2011 (SCI-Expanded)
- XXXVII. **Nonoscillation of First-Order Dynamic Equations with Several Delays**  
Braverman E., KARPUZ B.  
ADVANCES IN DIFFERENCE EQUATIONS, cilt.2010, 2010 (SCI-Expanded)
- XXXVIII. **SOME MULTI-DIMENSIONAL OPIAL-TYPE INEQUALITIES ON TIME SCALES**  
KARPUZ B., Kaymakcalan B., ÖZKAN U. M.  
JOURNAL OF MATHEMATICAL INEQUALITIES, cilt.4, sa.2, ss.207-216, 2010 (SCI-Expanded)
- XXXIX. **Corrigendum to Oscillation of a class of difference equations of second order Math Comput Modelling 49 2009 912 917**  
KARPUZ B., ÖCALAN Ö., YILDIZ M. K.  
Mathematical And Computer Modelling, cilt.51, ss.1009-1010, 2010 (SCI-Expanded)
- XL. **Oscillation of first-order impulsive difference equations with continuous arguments**  
KARPUZ B., ÖCALAN Ö., Ozturk S.

- JOURNAL OF COMPUTATIONAL ANALYSIS AND APPLICATIONS, cilt.12, sa.2, ss.539-543, 2010 (SCI-Expanded)
- XLII. **COMPARISON THEOREMS ON THE OSCILLATION OF A CLASS OF NEUTRAL DIFFERENCE EQUATIONS WITH CONTINUOUS VARIABLES**  
KARPUZ B., ÖCALAN Ö.  
BULLETIN OF THE KOREAN MATHEMATICAL SOCIETY, cilt.47, sa.2, ss.401-409, 2010 (SCI-Expanded)
- XLIII. **COMPARISON THEOREMS ON THE OSCILLATION AND ASYMPTOTIC BEHAVIOUR OF HIGHER-ORDER NEUTRAL DIFFERENTIAL EQUATIONS**  
KARPUZ B., ÖCALAN Ö., ÖZTÜRK S.  
GLASGOW MATHEMATICAL JOURNAL, cilt.52, ss.107-114, 2010 (SCI-Expanded)
- XLIV. **Further oscillation criteria for partial difference equations with variable coefficients**  
KARPUZ B., ÖCALAN Ö.  
COMPUTERS & MATHEMATICS WITH APPLICATIONS, cilt.59, sa.1, ss.55-63, 2010 (SCI-Expanded)
- XLV. **Asymptotic behaviour of bounded solutions of a class of higher-order neutral dynamic equations**  
KARPUZ B.  
APPLIED MATHEMATICS AND COMPUTATION, cilt.215, sa.6, ss.2174-2183, 2009 (SCI-Expanded)
- XLVI. **Necessary and sufficient conditions on asymptotic behaviour of solutions of forced neutral delay dynamic equations**  
KARPUZ B., ÖCALAN Ö.  
NONLINEAR ANALYSIS-THEORY METHODS & APPLICATIONS, cilt.71, sa.7-8, ss.3063-3071, 2009 (SCI-Expanded)
- XLVII. **OSCILLATION AND NONOSCILLATION OF FIRST-ORDER DYNAMIC EQUATIONS WITH POSITIVE AND NEGATIVE COEFFICIENTS**  
KARPUZ B., ÖCALAN Ö.  
DYNAMIC SYSTEMS AND APPLICATIONS, cilt.18, sa.3-4, ss.363-374, 2009 (SCI-Expanded)
- XLVIII. **Oscillation criteria for a class of second-order neutral delay differential equations**  
KARPUZ B., Manojlovic J. V., Ocalan O., Shoukaku Y.  
APPLIED MATHEMATICS AND COMPUTATION, cilt.210, sa.2, ss.303-312, 2009 (SCI-Expanded)
- XLIX. **Oscillation of a class of difference equations of second order**  
KARPUZ B., ÖCALAN Ö., YILDIZ M. K.  
Mathematical And Computer Modelling, cilt.49, ss.912-917, 2009 (SCI-Expanded)
- L. **Some oscillation and nonoscillation criteria for neutral delay difference equations with positive and negative coefficients**  
KARPUZ B.  
COMPUTERS & MATHEMATICS WITH APPLICATIONS, cilt.57, sa.4, ss.633-642, 2009 (SCI-Expanded)
- L. **NECESSARY AND SUFFICIENT CONDITIONS FOR THE OSCILLATORY AND ASYMPTOTIC BEHAVIOUR OF SOLUTIONS TO NEUTRAL DELAY DYNAMIC EQUATIONS**  
KARPUZ B., ÖCALAN Ö., Rath R.  
ELECTRONIC JOURNAL OF DIFFERENTIAL EQUATIONS, cilt.2009, ss.1-15, 2009 (SCI-Expanded)
- LII. **Oscillation of nonlinear neutral delay differential equations of second-order with positive and negative coefficients**  
YILDIZ M. K., KARPUZ B., ÖCALAN Ö.  
TURKISH JOURNAL OF MATHEMATICS, cilt.33, sa.4, ss.341-350, 2009 (SCI-Expanded)
- LIII. **Unbounded oscillation of higher-order nonlinear delay dynamic equations of neutral type with oscillating coefficients**  
KARPUZ B.  
ELECTRONIC JOURNAL OF QUALITATIVE THEORY OF DIFFERENTIAL EQUATIONS, sa.34, ss.1-14, 2009 (SCI-Expanded)
- LIV. **Oscillation of higher-order nonlinear delay differential equations with oscillatory coefficients**  
KARPUZ B., ÖCALAN Ö., YILDIZ M. K.  
TURKISH JOURNAL OF MATHEMATICS, cilt.33, sa.3, ss.259-263, 2009 (SCI-Expanded)
- LIV. **Iterated Oscillation Criteria for Delay Dynamic Equations of First Order**  
Bohner M., KARPUZ B., Ocalan O.

- ADVANCES IN DIFFERENCE EQUATIONS, cilt.2008, 2008 (SCI-Expanded)
- LV. OSCILLATION AND ASYMPTOTIC BEHAVIOUR OF A HIGHER ORDER NEUTRAL DIFFERENTIAL EQUATION WITH POSITIVE AND NEGATIVE COEFFICIENTS**  
KARPUZ B., Padhy L. N., Rath R.  
ELECTRONIC JOURNAL OF DIFFERENTIAL EQUATIONS, cilt.2008, 2008 (SCI-Expanded)
- LVI. ON THE OSCILLATION OF NONLINEAR NEUTRAL DIFFERENTIAL EQUATION WITH POSITIVE AND NEGATIVE COEFFICIENTS**  
ÖCALAN Ö., Yildiz M. K., KARPUZ B.  
DYNAMIC SYSTEMS AND APPLICATIONS, cilt.17, sa.3-4, ss.667-675, 2008 (SCI-Expanded)

### **Diğer Dergilerde Yayınlanan Makaleler**

- I. BASIC THEORY FOR DIFFERENTIAL EQUATIONS WITH UNIFIED REIMANN-LIOUVILLE AND HADAMARD TYPE FRACTIONAL DERIVATES**  
KARPUZ B., ÖZKAN U. M., Yalcin T., Yildiz M. K.  
INTERNATIONAL JOURNAL OF ANALYSIS AND APPLICATIONS, cilt.13, sa.2, ss.216-230, 2017 (ESCI)
- II. SUFFICIENT CONDITIONS FOR THE OSCILLATION OF ODD-ORDER NEUTRAL DYNAMIC EQUATIONS**  
KARPUZ B.  
INTERNATIONAL JOURNAL OF ANALYSIS AND APPLICATIONS, cilt.14, sa.1, ss.69-76, 2017 (ESCI)
- III. Iterated oscillation criteria for delay partial difference equations**  
KARPUZ B., Öcalan Ö.  
Mathematica Bohemica, cilt.139, sa.3, ss.437-450, 2014 (Scopus)
- IV. Oscillation of delay dynamic equations with oscillating coefficients**  
KARPUZ B., ÖCALAN Ö.  
Differential Equations & Applications, cilt.5, sa.3, ss.331-339, 2013 (ESCI)
- V. The Gamma function on time scales**  
BOHNER M., KARPUZ B.  
Dynamics Of Continuous Discrete And Impulsive Systems-Series A-Mathematical Analysis, cilt.20, sa.4, ss.507-522, 2013 (Scopus)
- VI. Oscillation criteria for a class of first order forced differential equations under impulse effects**  
KARPUZ B., ÖCALAN Ö.  
Advances in Dynamical Systems and Applications, cilt.7, sa.2, ss.205-218, 2012 (Scopus)
- VII. Oscillation of neutral differential equations with distributed deviating arguments**  
CANDAN T., KARPUZ B., ÖCALAN Ö.  
Nonlinear Oscillations (New York), cilt.15, sa.1, ss.65-76, 2012 (Hakemli Dergi)
- VIII. Oscillation and nonoscillation in neutral delay dynamic equations with positive and negative coefficients**  
KARPUZ B., ÖCALAN Ö.  
Communications in Applied Analysis, cilt.16, sa.1, ss.113-129, 2012 (Hakemli Dergi)
- IX. Kamenev type oscillation criteria for higher order neutral delay dynamic equations**  
ERBE L., KARPUZ B., PETERSON A.  
International Journal of Difference Equations, cilt.6, sa.1, ss.1-16, 2011 (Scopus)
- X. Remarks on Oscillation in nonlinear neutral difference equations with positive and negative coefficients Int J Difference Equ 5 2010 251 265**  
KARPUZ B.  
International Journal of Difference Equations, cilt.6, sa.2, ss.127-129, 2011 (Scopus)
- XI. On uniqueness of the Laplace transform on time scales**  
KARPUZ B.  
PanAmerican Mathematical Journal, cilt.21, sa.2, ss.101-110, 2011 (Scopus)
- XII. Existence and uniqueness of solutions to systems of delay dynamic equations on time scales**

- KARPUZ B.  
International Journal of Mathematics and Computation, cilt.10, ss.48-58, 2011 (Hakemli Dergi)
- XIII. **A generalization of Opial s inequality and applications to second order dynamic equations**  
KARPUZ B., KAYMAKÇALAN B., ÖCALAN Ö.  
Differential Equations and Dynamical Systems, cilt.18, ss.11-18, 2010 (Scopus)
- XIV. **A method on the general solution of inhomogeneous Euler differential equations**  
KARPUZ B., YILDIRIM H.  
Selçuk Journal of Applied Mathematics, cilt.10, sa.1, ss.19-32, 2009 (Hakemli Dergi)
- XV. **Remarks on Oscillation criteria for second order functional difference equation with neutral terms**  
**Demon Math 41 2008 615 625**  
KARPUZ B.  
DEMONSTRATIO MATHEMATICA, cilt.52, sa.3, ss.549-551, 2009 (ESCI)
- XVI. **On oscillation and asymptotic behaviour of a higher order functional difference equation of neutral type**  
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