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Kişisel Bilgiler

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Eğitim Bilgileri

Doktora, Ankara Üniversitesi, Fen Bilimleri, Türkiye 1998 - 2003
Yüksek Lisans, Afyon Kocatepe Üniversitesi, Fen Bilimleri Enstitüsü, Matematik, Türkiye 1996 - 1998
Lisans, Ankara Üniversitesi, Dijital Fabrika Teknolojileri Programı, Matematik, Türkiye 1990 - 1995

Araştırma Alanları

Matematik, Diferansiyel denklemler, Fark Denklemleri ve Fonksiyonel Denklemler, Temel Bilimler

Akademik Unvanlar / Görevler

Prof.Dr., Akdeniz Üniversitesi, Fen Fakültesi, Matematik, 2015 - Devam Ediyor
Doç.Dr., Afyon Kocatepe Üniversitesi, Fen Edebiyat Fakültesi, Matematik, 2009 - 2015
Yrd.Doç.Dr., Afyon Kocatepe Üniversitesi, Fen Edebiyat Fakültesi, Matematik, 2003 - 2009
Araştırma Görevlisi, Ankara Üniversitesi, Dijital Fabrika Teknolojileri Programı, Matematik, 1998 - 2003
Araştırma Görevlisi, Afyon Kocatepe Üniversitesi, Fen Edebiyat Fakültesi, Matematik, 1995 - 1998

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

I. **A NEW OSCILLATION RESULT FOR NONLINEAR DIFFERENTIAL EQUATIONS WITH NONMONOTONE DELAY**
Kilic N., ÖCALAN Ö.
Miskolc Mathematical Notes, cilt.24, sa.2, ss.841-851, 2023 (SCI-Expanded)

II. **Upper and lower limit oscillation conditions for first-order difference equations**
ÖCALAN Ö.
Proceedings of the Edinburgh Mathematical Society, cilt.65, sa.3, ss.618-631, 2022 (SCI-Expanded)

III. **Oscillation criteria for first-order dynamic equations with nonmonotone delays**
Kilic N., ÖCALAN Ö.
HACETTEPE JOURNAL OF MATHEMATICS AND STATISTICS, cilt.50, sa.2, ss.318-325, 2021 (SCI-Expanded)

IV. **An improved oscillation criteria for first order dynamic equations**
ÖCALAN Ö.
TURKISH JOURNAL OF MATHEMATICS, cilt.45, sa.1, ss.487-495, 2021 (SCI-Expanded)

V. **Solutions to Conjectures on a Nonlinear Recursive Equation**
ÖCALAN Ö., Duman O.

CZECHOSLOVAK MATHEMATICAL JOURNAL, cilt.70, sa.3, ss.867-880, 2020 (SCI-Expanded)

VI. **Oscillation of first-order dynamic equations with nonmonotone delay**
ÖCALAN Ö.
MATHEMATICAL METHODS IN THE APPLIED SCIENCES, cilt.43, sa.7, ss.3954-3964, 2020 (SCI-Expanded)

VII. **Oscillatory Behavior of Advanced Difference Equations with General Arguments**
ÖCALAN S., ÖCALAN Ö., Yildiz M. K.
FILOMAT, cilt.34, sa.12, ss.4161-4169, 2020 (SCI-Expanded)

VIII. **Oscillation analysis for nonlinear difference equation with non-monotone arguments**
Ocalan O., ÖZKAN U. M., YILDIZ M. K.
ADVANCES IN DIFFERENCE EQUATIONS, cilt.2018, 2018 (SCI-Expanded)

IX. **An improved oscillation criterion for first order difference equations**
ÖCALAN Ö.
BULLETIN MATHEMATIQUE DE LA SOCIETE DES SCIENCES MATHEMATIQUES DE ROUMANIE, cilt.59, sa.1, ss.65-73, 2016 (SCI-Expanded)

X. **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)

XI. **Oscillation of differential equations with non-monotone retarded arguments**
CHATZARAKIS G. E., ÖCALAN Ö.
LMS JOURNAL OF COMPUTATION AND MATHEMATICS, cilt.19, sa.1, ss.98-104, 2016 (SCI-Expanded)

XII. **An Oscillation Criterion for First Order Difference Equations**
Ocalan O., Ozturk S. S.
RESULTS IN MATHEMATICS, cilt.68, sa.1-2, ss.105-116, 2015 (SCI-Expanded)

XIII. **Oscillations of difference equations with non-monotone retarded arguments**
CHATZARAKIS G. E., Ocalan O.
APPLIED MATHEMATICS AND COMPUTATION, cilt.258, ss.60-66, 2015 (SCI-Expanded)

XIV. **Oscillations of differential equations with several non-monotone advanced arguments**
CHATZARAKIS G. E., Ocalan O.
DYNAMICAL SYSTEMS-AN INTERNATIONAL JOURNAL, cilt.30, sa.3, ss.310-323, 2015 (SCI-Expanded)

XV. **Dynamics of the difference equation x(n+1) = p(n) + xn-kx(n) with a period-two coefficient**
Ocalan O.
APPLIED MATHEMATICS AND COMPUTATION, cilt.228, ss.31-37, 2014 (SCI-Expanded)

XVI. **Global Asymptotic Stability of a Nonautonomous Difference Equation**
Gumus M., Ocalan O.
JOURNAL OF APPLIED MATHEMATICS, cilt.2014, 2014 (SCI-Expanded)

XVII. **Some Notes on the Difference Equation xn+1 = alpha + (xn-1/x(n)(k))**
Gumus M., Ocalan O.
DISCRETE DYNAMICS IN NATURE AND SOCIETY, cilt.2012, 2012 (SCI-Expanded)

XVIII. **On the Dynamics of the Recursive Sequence xn+1 = alpha + xn-k(p)/x(n)(q)**
Gumus M., Ocalan O., Felah N. B.
DISCRETE DYNAMICS IN NATURE AND SOCIETY, cilt.2012, 2012 (SCI-Expanded)

XIX. **COMPARISON CRITERIA FOR THE OSCILLATION OF MIXED-TYPE IMPULSIVE DIFFERENCE EQUATIONS WITH CONTINUOUS ARGUMENTS**
KARPUZ B., Ocalan O., Ozturk S.
HACETTEPE JOURNAL OF MATHEMATICS AND STATISTICS, cilt.40, sa.2, ss.265-272, 2011 (SCI-Expanded)

XX. **Oscillation of first-order impulsive difference equations with continuous arguments**
KARPUZ B., Ocalan O., Ozturk S.
JOURNAL OF COMPUTATIONAL ANALYSIS AND APPLICATIONS, cilt.12, sa.2, ss.539-543, 2010 (SCI-Expanded)

XXI. **COMPARISON THEOREMS ON THE OSCILLATION OF A CLASS OF NEUTRAL DIFFERENCE EQUATIONS WITH CONTINUOUS VARIABLES**
KARPUZ B., Ocalan O.

BULLETIN OF THE KOREAN MATHEMATICAL SOCIETY, cilt.47, sa.2, ss.401-409, 2010 (SCI-Expanded)

XXII. **COMPARISON THEOREMS ON THE OSCILLATION AND ASYMPTOTIC BEHAVIOUR OF HIGHER-ORDER NEUTRAL DIFFERENTIAL EQUATIONS**
KARPUZ B., Ocalan O., Ozturk S.
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XXIII. **Further oscillation criteria for partial difference equations with variable coefficients**
KARPUZ B., Ocalan O.
COMPUTERS & MATHEMATICS WITH APPLICATIONS, cilt.59, sa.1, ss.55-63, 2010 (SCI-Expanded)

XXIV. **Necessary and sufficient conditions on asymptotic behaviour of solutions of forced neutral delay dynamic equations**
KARPUZ B., Ocalan O.
NONLINEAR ANALYSIS-THEORY METHODS & APPLICATIONS, cilt.71, sa.7-8, ss.3063-3071, 2009 (SCI-Expanded)

XXV. **OSCILLATION AND NONOSCILLATION OF FIRST-ORDER DYNAMIC EQUATIONS WITH POSITIVE AND NEGATIVE COEFFICIENTS**
KARPUZ B., Ocalan O.
DYNAMIC SYSTEMS AND APPLICATIONS, cilt.18, sa.3-4, ss.363-374, 2009 (SCI-Expanded)

XXVI. **Oscillation criteria for a class of second-order neutral delay differential equations**
KARPUZ B., Manojlovic J. V., Oecalan O., Shoukaku Y.
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XXVII. **Oscillation of a class of difference equations of second order**
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XXVIII. **NECESSARY AND SUFFICIENT CONDITIONS FOR THE OSCILLATORY AND ASYMPTOTIC BEHAVIOUR OF SOLUTIONS TO NEUTRAL DELAY DYNAMIC EQUATIONS**
KARPUZ B., Ocalan O., RATH R.
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XXIX. **Oscillation analysis of neutral difference equations with delays**
Oecalan O., Duman O.
CHAOS SOLITONS & FRACTALS, cilt.39, sa.1, ss.261-270, 2009 (SCI-Expanded)

XXX. **Oscillation of higher-order nonlinear delay differential equations with oscillatory coefficients**
KARPUZ B., Ocalan O., Yildiz M. K.
TURKISH JOURNAL OF MATHEMATICS, cilt.33, sa.3, ss.259-263, 2009 (SCI-Expanded)

XXXI. **Oscillation of nonlinear neutral delay differential equations of second-order with positive and negative coefficients**
Yildiz M. K., KARPUZ B., Ocalan O.
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XXXII. **Existence of positive solutions for a neutral differential equation with positive and negative coefficients**
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XXXV. **Oscillation of forced neutral differential equations with positive and negative coefficients**
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JOURNAL OF MATHEMATICAL ANALYSIS AND APPLICATIONS, cilt.331, sa.1, ss.644-654, 2007 (SCI-Expanded)

XXXVII. **Oscillation results for higher order nonlinear neutral delay difference equations**
YILDIZ M. K., Ocalan O.
APPLIED MATHEMATICS LETTERS, cilt.20, sa.3, ss.243-247, 2007 (SCI-Expanded)

XXXVIII. **Oscillation of difference equations with variable coefficients**
ÖCALAN Ö.
Portugaliae Mathematica, cilt.63, sa.4, ss.407-414, 2006 (SCI-Expanded)

XXXIX. **Oscillations of higher-order of systems of difference equations**
Ocalan O., AKIN O.
INDIAN JOURNAL OF PURE & APPLIED MATHEMATICS, cilt.36, sa.7, ss.349-360, 2005 (SCI-Expanded)

XL. **Oscillations of the system of linear nonautonomous difference equations**
Ocalan O., AKIN O.
JOURNAL OF MATHEMATICAL ANALYSIS AND APPLICATIONS, cilt.283, sa.1, ss.213-218, 2003 (SCI-Expanded)

Diğer Dergilerde Yayınlanan Makaleler

I. **Sufficient oscillation conditions for dynamic equations with nonmonotone delays**
ÖCALAN Ö., KILIÇ N.
Journal of Applied Mathematics and Informatics, cilt.40, ss.843-856, 2022 (Scopus)

II. **An improvement for oscillation of first order difference equations**
ÖCALAN Ö.
Palestine Journal of Mathematics, cilt.11, sa.3, ss.455-461, 2022 (Scopus)

III. **OSCILLATION RESULTS FOR SYSTEM OF DIFFERENTIAL EQUATIONS WITH SEVERAL DELAY TERMS**
ÖCALAN Ö.
Electronic Journal of Mathematical Analysis and Applications, cilt.9, sa.2, ss.99-105, 2021 (Hakemli Dergi)

IV. **Oscillation Tests For Nonlinear Differential Equations With Several Nonmonotone Advanced Arguments**
Kilic N., ÖCALAN Ö., ÖZKAN U. M.
APPLIED MATHEMATICS E-NOTES, cilt.21, ss.253-262, 2021 (ESCI)

V. **Oscillatory behavior for nonlinear delay differential equation with several non-monotone arguments**
ÖCALAN Ö., Kilic N., Ozkan U. M., Ozturk S.
COMPUTATIONAL METHODS FOR DIFFERENTIAL EQUATIONS, cilt.8, sa.1, ss.14-27, 2020 (ESCI)

VI. **Oscillation Criteria for Difference Equations with Several Arguments**
Kılıç N., ÖCALAN Ö.
INTERNATIONAL JOURNAL OF DIFFERENCE EQUATIONS, cilt.15, sa.1, ss.109-119, 2020 (Scopus)

VII. **Oscillation analysis for higher order difference equation with non-monotone arguments**
ÖCALAN Ö., ÖZKAN U. M.
Journal Of Computational Analysis And Applications, cilt.27, ss.781-789, 2019 (Scopus)

VIII. **On solutions of the recursive equations x_{n1}=x_{n-1}{p}/x_{n}{p} (p0) via Fibonacci-type sequences**
ÖCALAN Ö., DUMAN O.
Electron. J. Math. Anal. Appl., cilt.7, sa.1, ss.102-115, 2019 (Hakemli Dergi)

IX. **OSCILLATORY BEHAVIOROF NONLINEAR ADVANCED DIFFERENTIAL EQUATIONS WITH A NON-MONOTONE ARGUMENT**
Ocalan O., Kilic N., Ozkan U. M.
ACTA MATHEMATICA UNIVERSITATIS COMENIANAE, cilt.88, sa.2, ss.239-246, 2019 (ESCI)

X. **OSCILLATION CRITERIA FOR DELAY DYNAMIC EQUATIONS ON TIME SCALES**
ÖCALAN Ö., ÖZTÜRK S.
Electronic Journal of Mathematical Analysis and Applications, cilt.6, sa.2, ss.51-59, 2018 (Hakemli Dergi)

XI. **THE QUALITATIVE ANALYSIS OF A RATIONAL SYSTEM OF DIFFERENCE EQUATIONS**
GÜMÜŞ M., ÖCALAN Ö.
Journal of Fractional Calculus and Applications, cilt.9, sa.2, ss.113-126, 2018 (Hakemli Dergi)

XII. **Oscillation of Nonlinear Delay Differential Equation with Non-Monotone Arguments**
ÖCALAN Ö., Kılıç N., ÖZTÜRK S., ÖZKAN U. M.
INTERNATIONAL JOURNAL OF ANALYSIS AND APPLICATIONS, cilt.14, sa.2, ss.147-154, 2017 (ESCI)

XIII. **Dynamical Behavior of a Third-Order Difference Equation with Arbitrary Powers**
Gumus M., ABO-ZEID R., ÖCALAN Ö.
KYUNGPOOK MATHEMATICAL JOURNAL, cilt.57, sa.2, ss.251-263, 2017 (ESCI)

XIV. **Global analysis of a non autonomous difference equation with bounded coefficient**
ÖCALAN Ö., GÜMÜŞ M.
Electron. J. Math. Anal. Appl., cilt.4, sa.1, ss.184-191, 2016 (Hakemli Dergi)

XV. **Oscillations of dynamic equations on time scales with advanced arguments**
ÖCALAN Ö., Ozkan U. M.
INTERNATIONAL JOURNAL OF DYNAMICAL SYSTEMS AND DIFFERENTIAL EQUATIONS, cilt.6, sa.4, ss.275-284, 2016 (ESCI)

XVI. **Oscillations for differential equations with several deviating arguments**
CHATZARAKIS G. E., ÖCALAN Ö., ÖZTÜRK S.
Pacific Journal of Applied Mathematics, cilt.7, ss.119-131, 2015 (Hakemli Dergi)

XVII. **Iterated oscillation criteria for delay partial difference equations**
KARPUZ B., ÖCALAN Ö.
MATHEMATICA BOHEMICA, cilt.139, sa.3, ss.437-450, 2014 (Scopus)

XVIII. **Global behavior test for a nonlinear difference equation with a period-two coefficient**
ÖCALAN Ö., ÖĞÜNMEZ H., GÜMÜŞ M.
Dyn. Contin. Discrete Impuls. Syst. Ser. A Math. Anal., cilt.21, sa.3-4, ss.307-316, 2014 (Hakemli Dergi)

XIX. **Global dynamics of a non autonomous rational difference equation**
ÖCALAN Ö.
JOURNAL OF APPLIED MATHEMATICS & INFORMATICS, cilt.32, sa.5-6, ss.843-848, 2014 (Hakemli Dergi)

XX. **Oscillation of delay dynamic equations with oscillating coefficients**
KARPUZ B., ÖCALAN Ö.
Differential Equations & Applications, cilt.5, sa.3, ss.331-339, 2013 (ESCI)

XXI. **Oscillation of Higher Order Systems of Differential Equations**
ÖĞÜNMEZ H., ÖCALAN Ö.
International Journal of Mathematical Analysis, cilt.7, sa.15, ss.735-740, 2013 (Hakemli Dergi)

XXII. **Oscillation Results for Odd Order Difference Equations**
ÖĞÜNMEZ H., ÖCALAN Ö.
Global Journal of Pure and Applied Mathematics, cilt.9, ss.205-214, 2013 (Hakemli Dergi)

XXIII. **New Oscillation Criteria for System of Difference Equations**
ÖĞÜNMEZ H., ÖCALAN Ö.
Far East Journal of Mathematical Sciences, cilt.72, sa.1, ss.109-116, 2013 (Hakemli Dergi)

XXIV. **Oscillation of difference equations with several positive and negative coefficients**
ÖĞÜNMEZ H., ÖCALAN Ö.
Fasciculi Mathematici, cilt.51, ss.115-122, 2013 (Hakemli Dergi)

XXV. **Oscillation of neutral differential equations with distributed deviating arguments**
CANDAN T., KARPUZ B., ÖCALAN Ö.
Journal of Mathematical Sciences, cilt.187, sa.4, ss.444-457, 2012 (Scopus)

XXVI. **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, ss.205-218, 2012 (Scopus)

XXVII. **Asymptotic behavior of a higher order recursive sequence**
ÖCALAN Ö.

Int. J. Difference Equ., cilt.7, sa.2, ss.175-180, 2012 (Scopus)

XXVIII. **Oscillation and nonoscillation in neutral delay dynamic equations with positive and negative coefficients**
KARPUZ B., ÖCALAN Ö.
Communications in Applied Analysis, cilt.16, ss.113-129, 2012 (Hakemli Dergi)

XXIX. **Oscillation results of higher order nonlinear neutral delay differential equations**
YILDIZ M. K., ÖCALAN Ö.
SELÇUK JOURNAL OF APPLİED MATHEMATİCS, cilt.11, ss.55-62, 2010 (Hakemli Dergi)

XXX. **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)

XXXI. **Linearized oscillation of nonlinear difference equations with advanced arguments**
ÖCALAN Ö.
Archivum Mathematicum, cilt.45, sa.3, ss.203-212, 2009 (Scopus)

XXXII. **Oscillation for higher order sublinear delay difference equation**
YILDIZ M. K., ÖCALAN Ö.
Applied Mathematics E-Notes, cilt.9, ss.63-71, 2009 (Scopus)

XXXIII. **Oscillation criteria for some classes of linear delay differential equations of first order**
KARPUZ B., ÖCALAN Ö.
Bull. Inst. Math. Acad. Sin. (N.S.), cilt.3, ss.293-314, 2008 (Hakemli Dergi)

XXXIV. **Discrete approach on oscillation of difference equations with continuous variable**
KARPUZ B., ÖCALAN Ö.
Advances in Dynamical Systems and Applications, cilt.3, ss.283-290, 2008 (Scopus)

XXXV. **Oscillation of higher order of system of difference equations with continuous arguments**
ÖCALAN Ö., ÖZKAN U. M.
Selçuk J. Appl. Math., cilt.9, sa.1, ss.23-29, 2008 (Hakemli Dergi)

XXXVI. **Oscillation of nonlinear difference equations with several coefficients**
ÖCALAN Ö.
Commun. Math. Anal., cilt.4, sa.1, ss.35-44, 2008 (Hakemli Dergi)

XXXVII. **Oscillation properties for advanced difference equations**
ÖCALAN Ö., AKIN Ö.
Novi Sad Journal of Mathematics, cilt.37, sa.1, ss.39-47, 2007 (Scopus)

XXXVIII. **Oscillation criteria for systems of difference equations with variable coefficients**
ÖCALAN Ö.
Appl. Math. E-Notes, cilt.6, sa.2006, ss.119-125, 2006 (Scopus)

XXXIX. **Oscillations of difference equations with several terms**
ÖCALAN Ö.
KYUNGPOOK MATHEMATICAL JOURNAL, cilt.46, sa.4, ss.573-580, 2006 (ESCI)

Metrikler

Yayın: 79
Atıf (WoS): 214
Atıf (Scopus): 255
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H-İndeks (Scopus): 9