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Personal Information

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International Researcher IDs

Publons / Web Of Science ResearcherID: C-1148-2016

Yoksis Researcher ID: 139649

Education

Doctorate, Selcuk University, Fen Bilimleri, Matematik, Turkey 2004 - 2007

Postgraduate, Selcuk University, Fen Bilimleri, İlköğretim Matematik, Turkey 2001 - 2004

Undergraduate, Selcuk University, Faculty Of Education, Matematik Öğretmenliği, Turkey 1996 - 2000

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, Bazı Fark Denklemlerinin Çözümleri, Periyodikliği ve Salınımlılığı Üzerine Bir Çalışma, Selcuk University, Fen Bilimleri, Matematik, 2007

Postgraduate, Tau Sayıları Üzerine , Selcuk University, Fen Bilimleri, İlköğretim Matematik, 2004

Research Areas

Mathematics, Functional Equations, Natural Sciences

Academic Positions

Associate Professor, Akdeniz University, Faculty of Education, İlköğretim, 2017 - Continues

Assistant Professor, Akdeniz University, Faculty of Education, Department of Primary School, 2011 - 2017

Research Assistant PhD, Selcuk University, Faculty Of Education, İlköğretim Bölümü, 2007 - 2011

Research Assistant, Selcuk University, Faculty Of Education, İlköğretim Bölümü, 2000 - 2007

Academic and Administrative Experience

Director of The Institution, Akdeniz University, Institute of Educational Sciences, 2017 - 2021

Akdeniz University, Institute of Educational Sciences, 2016 - 2017

Courses

Postgraduate

Danışmanlık, Postgraduate, 2016 - 2017, 2015 - 2016, 2014 - 2015

Seminer, Postgraduate, 2015 - 2016, 2014 - 2015

Danışmanlık, Postgraduate, 2014 - 2015

Undergraduate

Öğretmenlik Uygulaması, Undergraduate, 2016 - 2017, 2015 - 2016, 2014 - 2015

Diferansiyel Denklemler, Undergraduate, 2016 - 2017, 2015 - 2016, 2014 - 2015

Genel Matematik II, Undergraduate, 2016 - 2017, 2015 - 2016

Okul Deneyimi, Undergraduate, 2016 - 2017, 2015 - 2016, 2014 - 2015

Analitik Geometri I, Undergraduate, 2016 - 2017, 2015 - 2016, 2014 - 2015

Genel Matematik I, Undergraduate, 2016 - 2017, 2015 - 2016

Topluma Hizmet Uygulamaları, Undergraduate, 2014 - 2015

Sayısal Analiz, Undergraduate, 2015 - 2016, 2014 - 2015

Matematik Öğretimi I, Undergraduate, 2014 - 2015

Supervised Theses

KARATAŞ R., Bazı fark denklemlerinin çözümleri, periyodikligive global asimptotik kararlılığı üzerinr bir çalışma,
Postgraduate, S.Ergin(Student), 2012

Journal articles indexed in SCI, SSCI, and AHCI

I. A Generalised Difference Equation and Its Dynamics and Solutions

KARATAŞ R., Gelişken A., Arı M.

Mathematics, vol.12, no.22, 2024 (SCI-Expanded)

II. ON THE DYNAMICS OF A RECURSIVE SEQUENCE

Ergin S., KARATAŞ R.

ARS COMBINATORIA, vol.109, pp.353-360, 2013 (SCI-Expanded)

III. QUALITATIVE BEHAVIOR OF A RATIONAL DIFFERENCE EQUATION

Karatas R., Gelisken A.

ARS COMBINATORIA, vol.100, pp.321-326, 2011 (SCI-Expanded)

IV. GLOBAL BEHAVIOR OF A RATIONAL RECURSIVE SEQUENCE

Karatas R.

ARS COMBINATORIA, vol.97A, pp.421-428, 2010 (SCI-Expanded)

V. GLOBAL BEHAVIOR OF A HIGHER ORDER DIFFERENCE EQUATION

Karatas R.

ARS COMBINATORIA, vol.96, pp.145-160, 2010 (SCI-Expanded)

VI. A note on the periodicity of the Lyness max equation

Gelisken A., Cinar C., Karatas R.

ADVANCES IN DIFFERENCE EQUATIONS, vol.2008, 2008 (SCI-Expanded)

Articles Published in Other Journals

I. Global behavior of a higher order difference equation

- KARATAŞ R.
 International Journal of Contemporary Mathematical Sciences, no.12, pp.133-138, 2017 (Peer-Reviewed Journal)
- II. **On the Solutions of the Recursive Sequence $x_{n+1} = ax_{n-k}/a = P_i(k) (i=0)$ x_{n-i}**
 Ergin S., KARATAŞ R.
 THAI JOURNAL OF MATHEMATICS, vol.14, no.2, pp.391-397, 2016 (ESCI)
- III. **On the solutions of the recursive sequence $x(n+1) = ax(nk)/[a - x(n)x(n-1)...x(n-k)]$**
 KARATAŞ R., Ergin S.
 THAI JOURNAL OF MATHEMATICS, vol.14, no.2, pp.391-397, 2016 (Scopus)
- IV. **On the solutions of the recursive sequence $X(n+1) = ax[n-(2k+1)]/[-a+x(n-2k-1)]$**
 KARATAŞ R.
 Fasciculi Mathematici, vol.45, pp.37-45, 2010 (Peer-Reviewed Journal)
- V. **On solutions of the difference equation $x(n+1) = X(n-3)/[-1+x(n)x(n-1)x(n-2)x(n-3)]$**
 CINAR C., KARATAŞ R., yalçınkaya İ.
 Mathematica Bohemica, vol.132, no.3, pp.257-261, 2007 (ESCI)
- VI. **On the solutions of the difference equation $X(n+1) = (-1)^{nx(n-4)} / [1 + (-1)^{nx(n)}x(n-1)x(n-2)x(n-3)x(n-4)]$**
 KARATAŞ R.
 SELÇUK JOURNAL OF APPLIED MATHEMATICS, vol.8, no.1, pp.51-56, 2007 (Peer-Reviewed Journal)
- VII. **On the solutions of the difference equation $x(n+1) = ax[n-(2k+2)] / [-a+x(n)...x(n-2k-2)]$**
 KARATAŞ R., CINAR C.
 Int. J. Contemp. Math. Sciences, vol.2, no.31, pp.1505-1509, 2007 (Peer-Reviewed Journal)
- VIII. **On the recursive sequence $X(n+1) = X(n-5) / [1+x(n-2)]$**
 Şimşek D., Çinar C., KARATAŞ R., yalçınkaya İ.
 Int. Journal of Pure and Applied Math, vol.27, no.4, pp.501-507, 2006 (Peer-Reviewed Journal)
- IX. **On the recursive sequence $X(n+1) = x(n-5) / [1+x(n-1)x(n-3)]$**
 Şimşek D., Çinar C., KARATAŞ R.
 Int. Journal of Pure and Applied Math, vol.28, no.1, pp.117-124, 2006 (Peer-Reviewed Journal)
- X. **On positive solutions of the difference equation $X(n+1) = X(n-5) / [1+x(n-1)x(n-5)]$**
 KARATAŞ R., Çinar C., Şimşek D.
 Int. J. Contemp. Math. Sciences, vol.1, no.10, pp.495-500, 2006 (Peer-Reviewed Journal)
- XI. **İlköğretim 5. ve 6. Sınıf Öğrencilerinin Çarpma İşlemine Yaklaşımları ve Bu Konudaki Olası Kavram Yanılgıları**
 KARATAŞ R., yalçınkaya İ., Ertekin E.
 S. Ü. Eğitim Fakültesi Dergisi, vol.19, pp.339-348, 2005 (Peer-Reviewed Journal)
- XII. **Tau Sayıları ve Özellikleri**
 KARATAŞ R., Cihangir A.
 S. Ü. Eğitim Fakültesi Dergisi, vol.20, pp.1-9, 2005 (Peer-Reviewed Journal)
- XIII. **On the solutions of the difference equation $X(n+1) = 1 - [x(n) / 1 - x(n-1)]$**
 Çinar C., yalçınkaya İ., KARATAŞ R.
 Journal of Institute of Mathematics & Computer Sciences, vol.18, no.2, pp.111-112, 2005 (Peer-Reviewed Journal)
- XIV. **On the positive solutions of the difference equation system $x(n+1) = m/y(n)$, $y(n+1) = py(n)/x(n-1)y(n-1)$**
 yalçınkaya İ., Çinar C., KARATAŞ R.
 Journal of Institute of Mathematics & Computer Sciences, vol.18, no.2, pp.135-136, 2005 (Peer-Reviewed Journal)
- XV. **İlköğretim 5. Sınıf Öğrencilerinin Kesirlerde Çarpma İşlemine Yaklaşımları ve Bu Konuda Yaptıkları Kavram Yanılgıları**
 yalçınkaya İ., Ertekin E., KARATAŞ R.
 S. Ü. Eğitim Fakültesi Dergisi, vol.18, pp.485-495, 2004 (Peer-Reviewed Journal)

Papers Presented at Peer-Reviewed Scientific Conferences

- I. $X(n+1)=\cos(np_i)x(n-2)/[1+\cos(np_i)x(n)x(n-1)x(n-2)]$ rasyonel fark denkleminin çözümleri
üzerine
KARATAŞ R., Çınar C., Şimşek D., yalçınkaya İ.
XIX. Ulusal Matematik Sempozyumu, Kütahya, Turkey, 15 - 18 August 2006, pp.111, (Full Text)
- II. $X(n+1)=x(n-9)/[1+x(n-1)x(n-3)x(n-5)x(n-7)]$ Fark Denkleminin Çözümü
Şimşek D., Çınar C., yalçınkaya İ., KARATAŞ R.
XIX. Ulusal Matematik Sempozyumu, Kütahya, Turkey, 15 - 18 August 2006, pp.222

Metrics

Publication: 23

Citation (WoS): 19

Citation (Scopus): 24

H-Index (WoS): 3

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