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Avcılar/İSTANBUL



Education Information

Doctorate, Zonguldak Bülent Ecevit University, Graduate School Of Natural And Applied Sciences, Matematik Bölümü, Turkey 2015 - 2019

Post Graduate, Zonguldak Bülent Ecevit University, Graduate School Of Natural And Applied Sciences, Matematik Bölümü, Turkey 2012 - 2014

Under Graduate, Zonguldak Bülent Ecevit University, Faculty Of Arts And Sciences, Turkey 2008 - 2012

Dissertations

Doctorate, Dynamical analysis of some systems of nonlinear difference equations, Zonguldak Bülent Ecevit University, Graduate School Of Natural And Applied Sciences, Matematik, 2019

Post Graduate, Second and Third Order Rational Difference Equations, Zonguldak Bülent Ecevit University, Graduate School Of Natural And Applied Sciences, Matematik, 2014

Research Areas

Natural Sciences, Engineering and Technology

Academic Titles / Tasks

Assistant Professor, İstanbul University-Cerrahpaşa, Faculty Of Engineering, Department Of Engineering Sciences, 2020 - Continues

Professional Experience

Deputy Head of Department, İstanbul University-Cerrahpaşa, Faculty Of Engineering, Department Of Engineering Sciences, 2020 - Continues

Courses

DIFFERENTIAL EQUATIONS, Under Graduate, 2020 - 2021

MATEMATİK III, Under Graduate, 2020 - 2021

ÇOK DEĞİŞKENLİ FONKSİYONLAR VE UYGULAMALARI, Under Graduate, 2020 - 2021

MATEMATİK I, Under Graduate, 2020 - 2021

CALCULUS I, Under Graduate, 2020 - 2021

Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- I. **Dynamical behavior of a system of three-dimensional nonlinear difference equations**
Okumus İ., Soykan Y.
ADVANCES IN DIFFERENCE EQUATIONS, 2018 (Journal Indexed in SCI)
- II. **Inertial particle separation in curved networks: A numerical study**
DİNLER A., Okumus İ.
CHEMICAL ENGINEERING SCIENCE, vol.182, pp.119-131, 2018 (Journal Indexed in SCI)
- III. **Current status of wind energy forecasting and a hybrid method for hourly predictions**
Okumus İ., DİNLER A.
ENERGY CONVERSION AND MANAGEMENT, vol.123, pp.362-371, 2016 (Journal Indexed in SCI)

Articles Published in Other Journals

- I. **ON GENERALIZED TRIBONACCI SEDENIONS**
Soykan Y., Okumuş İ., Taşdemir E.
SARAJEVO JOURNAL OF MATHEMATICS, vol.16, no.1, pp.103-122, 2020 (International Refereed University Journal)
- II. **On the Solutions of Four Rational Difference Equations Associated to Tribonacci Numbers**
Okumuş İ., Soykan Y.
Konuralp Journal of Mathematics, vol.8, no.1, pp.79-90, 2020 (International Refereed University Journal)
- III. **A Review on the Solutions of Difference Equations via Integer Sequences such as Fibonacci Numbers and Tribonacci Numbers**
Okumuş İ., Soykan Y.
Communications in Advanced Mathematical Sciences, vol.2, no.4, pp.282-292, 2019 (Refereed Journals of Other Institutions)
- IV. **On the Solutions of Four Second-Order Nonlinear Difference Equations**
Okumuş İ., Soykan Y.
Universal Journal of Mathematics and Applications, vol.2, no.3, pp.116-125, 2019 (Refereed Journals of Other Institutions)
- V. **A Review on Dynamical Nature of Systems of Nonlinear Difference Equations**
Okumuş İ.
Journal of Informatics and Mathematical Sciences, vol.11, no.2, pp.235-251, 2019 (Refereed Journals of Other Institutions)
- VI. **On a Generalized Tribonacci Sequence**
Soykan Y., Okumuş İ.
Journal of Progressive Research in Mathematics, vol.14, no.3, pp.2413-2418, 2019 (Refereed Journals of Other Institutions)
- VII. **On the Nature of Solutions of a System of Second Order Nonlinear Difference Equations**
Okumuş İ., Soykan Y.
Journal of Progressive Research in Mathematics, vol.14, no.2, pp.2399-2407, 2018 (Refereed Journals of Other Institutions)
- VIII. **Gaussian Generalized Tribonacci Numbers**
Soykan Y., Taşdemir E., Okumuş İ., Göcen M.
Journal of Progressive Research in Mathematics, vol.14, no.2, pp.2373-2387, 2018 (Refereed Journals of Other Institutions)

Institutions)

IX. Some Technique To Show The Boundedness Of Rational Difference Equations

Okumuş İ., Soykan Y.

Journal of Progressive Research in Mathematics, vol.13, no.2, pp.2246-2258, 2018 (Refereed Journals of Other Institutions)

X. ON THE STABILITY OF A NONLINEAR DIFFERENCE EQUATION

Okumuş İ., Soykan Y.

Asian Journal of Mathematics and Computer Research, vol.17, no.2, pp.88-110, 2017 (Refereed Journals of Other Institutions)

Refereed Congress / Symposium Publications in Proceedings

I. On Boundedness Of Solutions Of The Rational Difference Equations

Okumuş İ., Soykan Y.

International Conference on Mathematics and Mathematics Education (ICMME-2018), Ordu, Turkey, 27 - 29 June 2018, pp.410-411

II. A Survey On Dynamical Behaviors Of Systems Of Nonlinear Difference Equations

Okumuş İ., Soykan Y.

International Conference on Mathematics and Mathematics Education (ICMME-2018), Ordu, Turkey, 27 - 29 June 2018, pp.392-393

III. GAUSSIAN GENERALIZED TRIBONACCI NUMBERS

Soykan Y., Taşdemir E., Okumuş İ., Göcen M.

International Conference on Multidisciplinary Sciences (icomus 2018), İstanbul, Turkey, 15 - 16 December 2018, pp.62

IV. ON THE DYNAMICSOFA SECOND ORDER NONLINEAR SYSTEM OF DIFFERENCE EQUATIONS

Okumuş İ., Soykan Y.

International Conference on Multidisciplinary Sciences (icomus 2018), İstanbul, Turkey, 15 - 16 December 2018, pp.61

V. Review on the systems of nonlinear difference equations

Okumuş İ., Soykan Y.

1st International Mediterranean Science and Engineering Congress (IMSEC 2016), Adana, Turkey, 26 - 28 October 2016, pp.155

VI. Lineer Olmayan Bir Fark Denkleminin Kararlılığı Üzerine

Okumuş İ., Soykan Y.

10. Ankara Matematik Günleri, Ankara, Turkey, 11 - 12 June 2015, pp.91

Supported Projects

Dinler A., TUBITAK Project, Termal Olarak İyileştirilmiş Uygulamalar İçin Arayüzey Isı Transferi Üzerindeki Yüzey Eğriligi Etkilerinin Araştırılması, 2020 - 2022

Dinler A., TUBITAK Project, Eğrisel Nano Yüzeylerde Yüzey Akışkan Etkileşimlerinin İncelenmesi, 2014 - 2016

Scientific Refereeing

JOURNAL OF APPLIED MATHEMATICS AND COMPUTING, Journal Indexed in SCI-E, July 2020

GAZİ UNIVERSITY JOURNAL OF SCIENCE, National Scientific Refreed Journal, January 2020

ARS COMBINATORIA, Journal Indexed in SCI-E, April 2019

Citations

Total Citations (WOS):113

h-index (WOS):2