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Education Information

Doctorate, Ondokuz Mayıs University, Fen Bilimleri Enstitüsü, Matematik (Dr), Turkey 2015 - 2020

Postgraduate, Karabuk University, Fen Bilimleri Enstitüsü, Matematik (YI) (Tezli) (Bülent Ecevit Üniv. Ortak), Turkey 2011 - 2013

Undergraduate, Bursa Uludaę University, Fen-Edebiyat Fakóltesi, Matematik Bölümü, Turkey 2006 - 2011

Dissertations

Doctorate, Fibonacci kuvvet dizilerinin varyasyonları ve bu varyasyonların kriptografiye uygulaması, Ondokuz Mayıs University, Fen Bilimleri Enstitüsü, Matematik (Dr), 2020

Postgraduate, kriptolojiye giriş, Karabuk University, Fen Bilimleri Enstitüsü, Matematik (YI) (Tezli) (Bülent Ecevit Üniv. Ortak), 2014

Academic Titles / Tasks

Research Assistant, Ondokuz Mayıs University, Fen-Edebiyat Fakóltesi, Matematik Bölümü, 2015 - Continues

Courses

Soyut Matematik I, Undergraduate, 2022 - 2023

Soyut Matematik II, Undergraduate, 2022 - 2023

Published journal articles indexed by SCI, SSCI, and AHCI

- I. Complex Narayana Quaternions**
elemoęlu .
COMPUTATIONAL MATHEMATICS AND MATHEMATICAL PHYSICS, vol.64, no.7, pp.1431-1442, 2024 (SCI-Expanded)
- II. On Bicomplex (p,q)-Fibonacci Quaternions**
elemoęlu .
MATHEMATICS, vol.12, no.3, 2024 (SCI-Expanded)
- III. The third order variations on the Fibonacci universal code**
Nalli A., Ozyilmaz .

Articles Published in Other Journals

- I. **Pell Leonardo numbers and their matrix representations**
ÇELEMOĞLU Ç.
Journal of New Results in Science, vol.13, no.2, pp.101-108, 2024 (Peer-Reviewed Journal)
- II. **The power-generalized k-Horadam sequences in different modules and a new cryptographic method with these sequences**
Çelemoğlu Ç., Nalli A.
DISCRETE MATHEMATICS ALGORITHMS AND APPLICATIONS, vol.16, no.5, 2024 (ESCI)
- III. **Bivariate Variations of Fibonacci and Narayana Sequences and Universal Codes**
ÇELEMOĞLU Ç.
Journal of New Theory, no.41, pp.105-122, 2022 (Peer-Reviewed Journal)
- IV. **Belirli Horadam Kuvvet Dizileri Üzerine**
ÇELEMOĞLU Ç., EREN Ş., ÖZÇEVİK S. B.
Düzce Üniversitesi Bilim ve Teknoloji Dergisi, 2022 (Peer-Reviewed Journal)
- V. **The Third Order Variant Narayana Codes and Some Straight Lines Corresponding to These**
ÇELEMOĞLU Ç.
Düzce Üniversitesi Bilim ve Teknoloji Dergisi, vol.10, no.2, pp.862-871, 2022 (Peer-Reviewed Journal)
- VI. **Power Narayana Sequences**
ÇELEMOĞLU Ç.
Prespacetime Journal, vol.13, no.1, pp.73-83, 2022 (Peer-Reviewed Journal)
- VII. **On Certain Power Horadam Sequences**
ÇELEMOĞLU Ç., ÖZÇEVİK S. B., EREN Ş.
Düzce Üniversitesi Bilim ve Teknoloji Dergisi, vol.10, no.3, pp.1255-1262, 2022 (Peer-Reviewed Journal)
- VIII. **A NOTE ON NEW GENERALIZATIONS OF k-HORADAM SEQUENCES AND THE POWER SEQUENCES OF THESE GENERALIZATIONS**
Çelemoğlu Ç.
JOURNAL OF SCIENCE AND ARTS, no.3, pp.625-638, 2021 (ESCI)
- IX. **RESTRUCTURING OF DISCRETE LOGARITHM PROBLEM AND ELGAMAL CRYPTOSYSTEM BY USING THE POWER FIBONACCI SEQUENCE MODULE M**
Ozyilmaz Ç., Nalli A.
JOURNAL OF SCIENCE AND ARTS, no.1, pp.61-70, 2019 (ESCI)

Refereed Congress / Symposium Publications in Proceedings

- I. **On Pell-Oresme Numbers**
ÇELEMOĞLU Ç.
ICSHSR 7th INTERNATIONAL CONFERENCE ON HEALTH, ENGINEERING AND APPLIED SCIENCES, SARAYBOSNA, Bosnia And Herzegovina, 28 - 30 June 2024
- II. **THE FOURTH ORDER LEONARDO NUMBERS**
ÇELEMOĞLU Ç.
ICSHSR 7th INTERNATIONAL CONFERENCE ON HEALTH, ENGINEERING AND APPLIED SCIENCES, SARAYBOSNA, Bosnia And Herzegovina, 28 June 2024
- III. **Gauss Leonardo Numbers**
ÇELEMOĞLU Ç.
EGE 7. ULUSLARARASI UYGULAMALI BİLİMLER KONGRESİ, İzmir, Turkey, 24 December 2022
- IV. **Bicomplex Narayana Numbers**

ÇELEMOĞLU Ç.

EGE 7. ULUSLARARASI UYGULAMALI BİLİMLER KONGRESİ, İzmir, Turkey, 24 December 2022

- V. **Some Special Sequences on Modulo 1 Obtained Using Pell Padovan Sequences**
ÖZÇEVİK S. B., ÇELEMOĞLU Ç., EREN Ş.
INTERNATIONAL DUMLUPINAR SCIENCE & MATHEMATICS CONGRESS, Turkey, 05 September 2022
- VI. **SOME SPECIAL POWER HORADAM SEQUENCES AND PERIODS**
ÖZÇEVİK S. B., ÇELEMOĞLU Ç., EREN Ş.
1st INTERNATIONAL SYMPOSIUM ON RECENT ADVANCES IN FUNDAMENTAL AND APPLIED SCIENCES (ISFAS-2021), 10 - 12 September 2021
- VII. **THE THIRD ORDER VARIANT OF THE NARAYANA CODING SCHEME**
ÇELEMOĞLU Ç.
1st INTERNATIONAL SYMPOSIUM ON RECENT ADVANCES IN FUNDAMENTAL AND APPLIED SCIENCES (ISFAS-2021), 10 September 2021
- VIII. **ON THE FOURTH ORDER VARIANT FIBONACCI CODES**
ÇELEMOĞLU Ç.
1st INTERNATIONAL CONGRESS OR NATURAL SCIENCES (ICNAS2021), 10 September 2021
- IX. **Modül m de Jacobsthal Kuvvet Dizilerinin Periyotları Üzerine**
ÖZÇEVİK S. B., ÇELEMOĞLU Ç., EREN Ş.
33. ULUSAL MATEMATİK SEMPOZYUMU, 31 August 2021
- X. **Narayana Dizileri ve Bu Dizilerin Periyotlar Üzerine**
ÇELEMOĞLU Ç.
33. ULUSAL MATEMATİK SEMPOZYUMU, 31 August 2021
- XI. **Genelleştirilmiş Fibonacci Kuvvet Dizisi**
ÖZYILMAZ Ç., NALLI A., PANCAR A.
32.ULUSAL MATEMATİK SEMPOZYUMU, Turkey, 31 August - 03 September 2019
- XII. **COMPOSITE ELGAMAL CRYPTOSYSTEM AND AN APPLICATION OF THE CRYPTOSYSTEM TO ASYMMETRIC CRYPTOGRAPHY**
ÖZYILMAZ Ç., NALLI A.
International Conference on Cyber Security and Computer Science (ICONCS 2018), Karabük, Turkey, 18 - 20 October 2018
- XIII. **A NEW APPROACH TO ASYMMETRIC CRYPTOGRAPHY BY USING POWER FIBONACCI SEQUENCE MODULE**
ÖZYILMAZ Ç., PANCAR A., NALLI A.
International Conference on Computational and Statistical Methods in Applied Sciences, 9 November - 11 December 2017
- XIV. **THE THIRD ORDER VARIATIONS ON THE FIBONACCI UNIVERSAL CODE AND AN APPLICATION TO CRYPTOGRAPHY**
ÖZYILMAZ Ç., NALLI A.
2nd international symposium on innovation technologies in engineering and science, Karabük, Turkey, 18 - 20 June 2014
- XV. **Gopala Hemachandra GH Kodunun Şifrelemeye bir Uygulaması**
ÖZYILMAZ Ç., NALLI A.
13. Matematik Sempozyumu, Turkey, 15 - 17 May 2014