

## Assoc. Prof. YASEMİN TAŞYURDU

### Personal Information

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### International Researcher IDs

ORCID: 0000-0002-9011-8269

Yoksis Researcher ID: 27828

### Education Information

Doctorate, Ataturk University, Fen Bilimleri Enstitüsü, Matematik, Turkey 2009 - 2013

Postgraduate, Ataturk University, Fen Bilimleri Enstitüsü, Matematik, Turkey 2006 - 2009

Undergraduate, Ataturk University, Fen Edebiyat Faültesi, Matematik, Turkey 2002 - 2006

### Foreign Languages

English, B2 Upper Intermediate

### Dissertations

Doctorate, Fibonacci Polinomlarının ve  $p_2$  Mertebeden Bazı Halkaların Fibonacci Dizilerinin Periyotları, Atatürk Üniversitesi, Fen Bilimleri Enstitüsü, Matematik, 2013

Postgraduate, Gruplarda Fibonacci Dizileri, Atatürk Üniversitesi, Fen Bilimleri Enstitüsü, Matematik, 2009

### Research Areas

Mathematics, General Algebraic Systems, Natural Sciences

### Academic Titles / Tasks

Assistant Professor, Erzincan Binali Yıldırım University, Fen-Edebiyat Fakültesi, Matematik Bölümü, 2018 - Continues

Assistant Professor, Erzincan Binali Yıldırım University, Fen-Edebiyat Fakültesi, Matematik Bölümü, 2013 - 2018

Research Assistant, Erzincan Binali Yıldırım University, Fen-Edebiyat Fakültesi, Matematik Bölümü, 2012 - 2013

### Advising Theses

Taşyurdu Y., Tribonacci ve Tribonacci-Lucas Hibrit Sayılarının Uygulamaları ve Alt Dizileri, Postgraduate, Y.Emre(Student), Continues

Taşyurdu Y., Generalized Fibonacci p-Numbers and Their Applications with Combinatorial Approach, Postgraduate,

B.CENGİZ(Student), 2022

Taşyurdu Y., Bi-Periyodik (p,q)-Fibonacci ve Bi-Periyodik (p,q)-Lucas Dizileri, Postgraduate, N.ŞEYDA(Student), 2021

Taşyurdu Y., Padovan, pell-padovan, perrin octonions and sedenions, Postgraduate, A.KARANLIK(Student), 2021

Taşyurdu Y., Genelleştirilmiş Fibonacci ve Lucas Hibrit Polinomları, Postgraduate, A.ŞAHİN(Student), 2021

Taşyurdu Y.,  $p^2$  mertebeden bazı halkaların Pell polinomlar ve periyotları, Postgraduate, D.ÇİFÇİ(Student), 2019

TAŞYURDU Y., Birimli Halkaların Fibonacci Dizilerinin Periyotları Ve Tridiagonal Matrisi, Postgraduate, Z.Dilmen(Student), 2018

Taşyurdu Y., k-Pell,k-Pell-Lucas ve Modifiye k-Pell, Postgraduate, B.KEFÇİ(Student), 2018

Taşyurdu Y., k-Fibonacci Sayılarının Yeni Aile Dizileri, Periyotları Ve Özellikleri, Postgraduate, N.Aksu(Student), 2016

## Published journal articles indexed by SCI, SSCI, and AHCI

### I. The Fibonacci Polynomials in Rings

TAŞYURDU Y., Deveci O.

ARS COMBINATORIA, vol.133, pp.355-366, 2017 (SCI-Expanded)

### II. On Period of the Sequence of Fibonacci Polynomials Modulo m

GÜLTEKİN İ., TAŞYURDU Y.

DISCRETE DYNAMICS IN NATURE AND SOCIETY, 2013 (SCI-Expanded)

## Articles Published in Other Journals

### I. On Generalized Fibonacci Hybrinomials

Taşyurdu Y., Şahin A.

COMMUNICATIONS IN MATHEMATICS AND APPLICATIONS, vol.13, no.2, pp.737-751, 2022 (ESCI)

### II. A TILING INTERPRETATION FOR (p, q)-FIBONACCI AND (p, q)-LUCAS NUMBERS

Taşyurdu Y., Türkoğlu N. Ş.

Journal of Universal Mathematics, vol.5, no.2, pp.81-87, 2022 (Peer-Reviewed Journal)

### III. A TILING APPROACH TO FIBONACCI p-NUMBERS

Taşyurdu Y., Cengiz B.

Journal of Universal Mathematics, vol.5, no.2, pp.177-184, 2022 (Peer-Reviewed Journal)

### IV. Tribonacci and Tribonacci-Lucas Hybrinomials

Taşyurdu Y., Polat Y. E.

Journal of Mathematics Research, vol.13, no.5, pp.32-43, 2021 (Peer-Reviewed Journal)

### V. Perrin Octonions and Perrin Sedenions

Taşyurdu Y., Akpınar A.

Konuralp Journal of Mathematics, vol.8, no.2, pp.384-390, 2020 (Peer-Reviewed Journal)

### VI. Tribonacci and Tribonacci-Lucas Hybrid Numbers

Taşyurdu Y.

International Journal of Contemporary Mathematical Sciences, vol.14, no.4, pp.245-254, 2019 (Peer-Reviewed Journal)

### VII. Padovan and Pell-Padovan Octonions

TAŞYURDU Y., Akpınar A.

Turkish Journal of Mathematics Computer Science, vol.11, pp.114-122, 2019 (Peer-Reviewed Journal)

### VIII. Determinants and Permanents of Hessenberg Matrices with Fibonacci-Like Sequences

TAŞYURDU Y., Işık F.

Turkish Journal of Mathematics Computer Science, vol.11, pp.65-71, 2019 (Peer-Reviewed Journal)

### IX. Generalized (p,q)-Fibonacci-Like Sequences and Their Properties

TAŞYURDU Y.

Journal of Mathematics Research, vol.11, no.6, pp.43-52, 2019 (Peer-Reviewed Journal)

- X. **Hyperbolic Tribonacci and Tribonacci-Lucas Sequences**  
TAŞYURDU Y.  
International Journal of Mathematical Analysis, vol.13, no.12, pp.565-572, 2019 (Peer-Reviewed Journal)
- XI. **On the Sums of Tribonacci and Tribonacci-Lucas Numbers**  
Taşyurdu Y.  
Applied Mathematical Sciences, vol.13, no.24, pp.1201-1208, 2019 (Peer-Reviewed Journal)
- XII. **Pell Sequences in Rings with Identity and Their Applications**  
TAŞYURDU Y.  
IOSR Journal of Mathematics, vol.15, no.6, pp.1-9, 2019 (Peer-Reviewed Journal)
- XIII. **On Generalized Fibonacci-Like Sequences by Hessenberg Matrices**  
TAŞYURDU Y.  
International Journal of Mathematics Trends and Technology, vol.64, no.1, pp.51-58, 2018 (Peer-Reviewed Journal)
- XIV. **Binomial Transforms of Generalized Fibonacci-Like Sequences**  
TAŞYURDU Y.  
International Journal of Mathematics Trends and Technology, vol.64, no.1, pp.59-64, 2018 (Peer-Reviewed Journal)
- XV. **ON THE JACOBSTHAL SEQUENCES AND THEIR APPLICATIONS IN RINGS WITH IDENTITY**  
TAŞYURDU Y., ÇİFÇİ D.  
Romai Journal, vol.14, no.1, pp.187-200, 2018 (Peer-Reviewed Journal)
- XVI. **Applications of Pell Polynomials in Rings**  
TAŞYURDU Y., ÇİFÇİ D., DEVECİ O.  
Journal of Mathematics Research, vol.10, pp.35-41, 2018 (Peer-Reviewed Journal)
- XVII. **Matrix Representations of Fibonacci-Like Sequences**  
TAŞYURDU Y.  
New Trends in Mathematical Sciences, vol.6, no.3, pp.222-230, 2018 (Peer-Reviewed Journal)
- XVIII. **The Period of Fibonacci Sequences Over The Finite Field of Order  $p^2$**   
TAŞYURDU Y., Dilmen Z.  
CELAL BAYAR ÜNİVERSİTESİ FEN BİLİMLERİ DERGİSİ, vol.13, no.1, pp.248-255, 2017 (Peer-Reviewed Journal)
- XIX. **On Period of Generalized Fibonacci Sequence Over Finite Ring and Tridiagonal Matrix**  
TAŞYURDU Y., Dilmen Z.  
Celal Bayar University Journal of Science, vol.13, no.1, pp.165-169, 2017 (Peer-Reviewed Journal)
- XX. **On the a New Family of k-Fibonacci Numbers**  
TAŞYURDU Y., Çobanoğlu N., Dilmen Z.  
Erzincan University Journal of Science and Technology, vol.9, no.1, pp.95-101, 2016 (Peer-Reviewed Journal)
- XXI. **The period of Fibonacci sequences over the finite field of order  $p^2$**   
TAŞYURDU Y., GULTEKİN İ.  
New Trends in Mathematical Sciences, vol.2016, no.4, pp.248-255, 2016 (Peer-Reviewed Journal)
- XXII. **Determinantal and permanent representation of q-Fibonacci polynomials**  
TAŞYURDU Y., gültekin i.  
Qscience Connect, no.1, pp.1-5, 2014 (Peer-Reviewed Journal)
- XXIII. **On The Pell Polynomials  $P_n(x,s,q)$  and Tridiagonal Matrix**  
TAŞYURDU Y., gültekin i.  
Research & Reviews: Discrete Mathematical Structures, no.1, pp.24-27, 2014 (Peer-Reviewed Journal)
- XXIV. **ON PERIOD OF FIBONACCI SEQUENCE IN FINITE RINGS WITH IDENTITY OF ORDER  $p^2$**   
TAŞYURDU Y., gültekin i.  
Journal of Mathematics and System Science, vol.2013, no.3, pp.349-352, 2013 (Peer-Reviewed Journal)

## Refereed Congress / Symposium Publications in Proceedings

- I. **Yasemin TAŞYURDU, Ayşe AKPINAR**  
TAŞYURDU Y., AKPINAR A.  
International Conference on Mathematics and Mathematics Education (ICMME 2019), 11 - 13 July 2019
- II. **Determinants and permanents of Hessenberg matrices with Fibonacci-like sequences**  
TAŞYURDU Y., IŞIK F.  
International Conference on Mathematics and Mathematics Education, Konya, Turkey, 11 - 13 July 2019, pp.29
- III. **Hessenberg matrices and Morgan-Voyce sequences**  
TAŞYURDU Y., IŞIK F.  
International Conference on Mathematics and Mathematics Education, Konya, Turkey, 11 - 13 July 2019, pp.27
- IV. **Perrin octonions and Perrin sedenions**  
TAŞYURDU Y., AKPINAR A.  
International Conference on Mathematics and Mathematics Education, Konya, Turkey, 11 - 13 July 2019, pp.23
- V. **Padovan and Pell-Padovan octonions**  
TAŞYURDU Y., AKPINAR A.  
International Conference on Mathematics and Mathematics Education, Konya, Turkey, 11 - 13 July 2019, pp.21
- VI. **BINOMIAL TRANSFORMS OF THE MORGAN-VOYCESEQUENCES**  
TAŞYURDU Y.  
5th IFSCOM2018, 5th International IFS and Contemporary Mathematics Conference, Kahramanmaraş, Turkey, 5 - 09 September 2018, pp.79-87
- VII. **DETERMINANTS AND PERMANENTS OF HESSENBERGMATRICES WITH  $(s, t)$ -JACOBSTHAL AND  $(s, t)$ -JACOBSTHALLUCAS SEQUENCES**  
TAŞYURDU Y.  
5th IFSCOM2018, 5th International IFS and Contemporary Mathematics Conference, Kahramanmaraş, Turkey, 5 - 09 September 2018, pp.98-150
- VIII. **The Adjacency-Pell Sequence in Groups**  
DEVECİ Ö., AKÜZÜM Y., TAŞYURDU Y.  
International Conference on Mathematics and Engineering-ICOME, İstanbul, Turkey, 10 - 12 May 2017
- IX. **The Jacobsthal Sequence in the Ring and Its Structure**  
TAŞYURDU Y., ÇİFÇİ D.  
International Conference on Mathematics and Engineering, 10 - 12 May 2017, pp.396
- X. **The Jacobsthal Sequence in The Ring Structure**  
TAŞYURDU Y., ÇİFÇİ D.  
International Conference on Mathematics and Engineering, İstanbul, Turkey, 10 - 12 May 2017, pp.396
- XI. **k-Pell, k-Pell Lucas and Modified k-Pell Matrix Sequences**  
TAŞYURDU Y., KEFÇİ B., GULTEKİN I., DEVECİ O.  
4th International Intuitionistic Fuzzy Sets and Contemporary Mathematics Conference, Mersin, Turkey, 3 - 07 May 2017, pp.21
- XII. **The Pell Polynomials in Rings**  
TAŞYURDU Y., ÇİFÇİ D., DURLU H.  
Antalya Algebra Days XVIII, İzmir, Turkey, 18 - 22 May 2016, pp.25
- XIII. **ON THE q-FIBONACCI POLYNOMIALS  $F_n(x; s; q)$**   
TAŞYURDU Y., DURLU H., ÇİFÇİ D.  
Antalya Algebra Days XVIII, İzmir, Turkey, 18 - 22 May 2016, pp.26
- XIV. **On Period of Generalized Fibonacci Sequence over Finite Rings and Tridiagonal Matrix**  
TAŞYURDU Y., ZÜLKÜF D.  
International Conference on Advancement In Mathematical Sciences, 5 - 07 November 2015
- XV. **On Period of Generalized Fibonacci Sequence Over Finite Rings and Tridiagonal Matrix**  
TAŞYURDU Y., DİLMEN Z.  
International Conference on Advancement in Mathematical Sciences, Antalya, Turkey, 5 - 07 November 2015, pp.97
- XVI. **Keyfi Bir Halka Üzerinden Genelleştirilmiş Pell Dizisi ve Periyodu**

TAŞYURDU Y.

10. Ankara Matematik Günleri, Ankara, Turkey, 11 - 12 June 2015, pp.117

XVII. **k-Fibonacci Sayılarının Yeni Ailesi Üzerine**

TAŞYURDU Y., Çobanoğlu N.

10. Ankara Matematik Günleri, Ankara, Turkey, 11 - 12 June 2015, pp.46

XVIII. **p2 Mertebeden Sonlu Cisimlerin Fibonacci Dizilerinin Periyodu**

TAŞYURDU Y., GULTEKİN İ.

8. Ankara Matematik Günleri, Antalya, Turkey, 13 - 14 June 2013, pp.84

XIX. **The Fibonacci Sequence in Finite Rings of order p2**

TAŞYURDU Y., GULTEKİN İ.

Antalya Algebra Days XIV, Antalya, Turkey, 16 - 20 May 2012, pp.44

XX. **Fibonacci Polinomlarının Katsayı ve Üstlerinin Modülüne göre Dizileri**

TAŞYURDU Y.

6. Ankara Matematik Günleri, Ankara, Turkey, 2 - 03 June 2011, pp.67

XXI. **On the Relationship Between Fibonacci Length of its Extensions and Dicyclic group**

TAŞYURDU Y., GULTEKİN İ.

Antalya Algebra Days XII, Antalya, Turkey, 19 May 2010 - 22 May 2010, pp.40

## Supported Projects

ÖZKAN E., GÖÇER A. A., Altun İ., TAŞYURDU Y., Çobanoğlu N., Dilmen Z., Project Supported by Higher Education Institutions, Rekurens (Tekrarlı) Bağlılıklarının Yeni Aile Dizileri ve Periyodları, 2015 - 2017

TAŞYURDU Y., Altun Uçar İ., Göçer A. A., Aksu N., Dilmen Z., ÖZKAN E., Project Supported by Higher Education Institutions, Halkalarda Rekurens Bağlılıklarının Dizileri ve Periyodları, 2015 - 2016

## Metrics

Publication: 47

Citation (WoS): 11

Citation (Scopus): 4

H-Index (WoS): 3

H-Index (Scopus): 1