

Prof. DURSUN TAŞCI

Personal Information

Email: dtasci@gazi.edu.tr

Web: <https://avesis.gazi.edu.tr/dtasci>

International Researcher IDs

ScholarID: _JsBPLAAAAAJ

ORCID: 0000-0001-8357-4875

Publons / Web Of Science ResearcherID: AIE-5319-2022

ScopusID: 7801389299

Yoksis Researcher ID: 4638

Education Information

Doctorate, Selcuk University, Institute Of Science, Matematik (Dr), Turkey 1988 - 1992

Postgraduate, Selcuk University, Institute Of Science, Matematik (YI) (Tezli), Turkey 1986 - 1992

Undergraduate, Selcuk University, Faculty Of Arts And Sciences, Department Of Mathematics, Turkey 1980 - 1984

Foreign Languages

English, B2 Upper Intermediate

Academic Titles / Tasks

Professor, Gazi University, Fen Fakültesi, Matematik Bölümü, 2001 - Continues

Associate Professor, Selcuk University, Faculty Of Science, Department Of Mathematics, 1995 - 2001

Assistant Professor, Selcuk University, Faculty Of Science, Department Of Mathematics, 1992 - 1995

Research Assistant, Selcuk University, Faculty Of Science, Department Of Mathematics, 1984 - 1992

Academic and Administrative Experience

Gazi University, Fen Fakültesi, 2008 - Continues

Gazi University, Fen Fakültesi, Matematik Bölümü, 2002 - 2005

Selcuk University, Fen Fakültesi, Matematik Bölümü, 1997 - 2001

Advising Theses

TAŞCI D., Bi-periyodik balans sayıları ve kuaterniyonları, Doctorate, E.SEVGİ(Student), 2020

TAŞCI D., Gaussian Tetranacci numbers, Postgraduate, H.ACAR(Student), 2017

TAŞCI D., On the periods of bi-periodic Fibonacci and bi-periodic Lucas sequences, Doctorate, G.ÖZKAN(Student), 2017

TAŞCI D., The k-Tetranacci Sequences, Postgraduate, Ö.ARIBAŞ(Student), 2015

TAŞCI D., Complex Fibonacci P-numbers and Fibonacci-P quaternions, Doctorate, N.FEYZA(Student), 2014

TAŞCI D., The - lucas hyperbolic, k quasi-hyperbolic tribonacci and quasi-hyperbolic tribonacci-lucas functions,

Doctorate, H.Azman(Student), 2014

TAŞCI D., Complementary recurrence relations of tribonacci-like sequences, Doctorate, S.ODABAŞ(Student), 2014

TAŞCI D., k- lucas hiperbolik, yarı-hiperbolik tribonacci ve yarı-hiperbolik tribonacci-lucas fonksiyonları, Doctorate, H.AZMAN(Student), 2014

TAŞCI D., On the Euclid algorithm and Pell numbers, Postgraduate, Z.KUŞAKSIZ(Student), 2014

TAŞCI D., On the symmetrical hyperbolic functions and a cryptographic application, Postgraduate, Ö.Bostancı(Student), 2013

TAŞCI D., Gauss pell numbers, Postgraduate, G.ÖZKAN(Student), 2012

TAŞCI D., Incomplete fibonacci ve lucas p - numbers, Doctorate, M.ÇETİN(Student), 2011

TAŞCI D., Fibonacci ve Lucas P-sayıları üzerine, Postgraduate, E.POLATLI(Student), 2011

TAŞCI D., TOEPLITZ MATRICES AND RECURRENCE RELATIONS, Doctorate, M.AŞCI(Student), 2010

TAŞCI D., ON THE FIBONACCI SEQUENCE AND HESSENBERG MATRICES, Postgraduate, H.AZMAN(Student), 2009

TAŞCI D., ON THE EIGENVALUES OF SOME TRIDIAGONAL MATRICES, Postgraduate, S.ODABAŞ(Student), 2009

TAŞCI D., ON THE PELL, PELL-LUCAS, JACOBSTHAL AND JACOBSTHAL-LUCAS POLYNOMIALS, Postgraduate, A.Tugba(Student), 2008

TAŞCI D., Genelleştirilmiş fibonacci ve lucas sayılarını içeren toplamlar, Postgraduate, E.AKBAŞ(Student), 2006

TAŞCI D., Pell dizilerinin matris üreteçleri, Postgraduate, S.EKİCİ(Student), 2006

TAŞCI D., Fibonacci ve pell dizilerinin özellikleri, Postgraduate, P.YAMAN(Student), 2006

TAŞCI D., Pell özdeşlikleri, Postgraduate, Y.BEKLEVİÇ(Student), 2006

TAŞCI D., Genelleştirilmiş k-basamak pell sayılarının karakterizasyonu, Doctorate, E.KILIÇ(Student), 2006

TAŞCI D., LCM-GCD matrisleri üzerine, Doctorate, N.TUĞLU(Student), 2002

TAŞCI D., Matris izleri ile singüler değerler için sınırlar, Postgraduate, Ş.BÜYÜKKÖSE(Student), 1998

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Some Properties between Mersenne, Jacobsthal and Jacobsthal-Lucas Hybrid Numbers**
TAŞCI D., SEVGİ E.
Chaos, Solitons and Fractals, vol.146, 2021 (SCI-Expanded)
- II. **On the Periods of Biperiodic Fibonacci and Biperiodic Lucas Numbers**
Taşci D., Özkan Kızılrnak G.
DISCRETE DYNAMICS IN NATURE AND SOCIETY, 2016 (SCI-Expanded)
- III. **Generalized Vieta-Jacobsthal and Vieta-Jacobsthal-Lucas polynomials**
Yalcin N. F., TAŞCI D., Erkus-Duman E.
MATHEMATICAL COMMUNICATIONS, vol.20, no.2, pp.241-251, 2015 (SCI-Expanded)
- IV. **Fibonacci-p Quaternions**
TAŞCI D., Yalcin F.
ADVANCES IN APPLIED CLIFFORD ALGEBRAS, vol.25, no.1, pp.245-254, 2015 (SCI-Expanded)
- V. **GENERALIZED F-NOMIAL MATRIX AND FACTORIZATIONS**
AŞCI M., TAŞCI D., TUĞLU N.
ARS COMBINATORIA, vol.108, pp.81-95, 2013 (SCI-Expanded)
- VI. **Vieta-Pell and Vieta-Pell-Lucas polynomials**
TAŞCI D., Yalcin F.
ADVANCES IN DIFFERENCE EQUATIONS, 2013 (SCI-Expanded)
- VII. **ON DETERMINANTS AND PERMANENTS OF k-TRIDIAGONAL TOEPLITZ MATRICES**
Asci M., TAŞCI D., El-Mikkawy M.
UTILITAS MATHEMATICA, vol.89, pp.97-106, 2012 (SCI-Expanded)
- VIII. **Incomplete Bivariate Fibonacci and Lucas p-Polynomials**
TAŞCI D., Firengiz M. C., TUĞLU N.
DISCRETE DYNAMICS IN NATURE AND SOCIETY, 2012 (SCI-Expanded)
- IX. **On Fibo-Pascal Matrix Involving k-Fibonacci and k-Pell Matrices**

- TAŞCI D., TUĞLU N., Asci M.
ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING, vol.36, no.6, pp.1031-1037, 2011 (SCI-Expanded)
- X. **ON FAMILIES OF BIPARTITE GRAPHS ASSOCIATED WITH SUMS OF GENERALIZED ORDER-k FIBONACCI AND LUCAS NUMBERS**
KILIÇ E., TAŞCI D.
ARS COMBINATORIA, vol.94, pp.13-23, 2010 (SCI-Expanded)
- XI. **ON FAMILIES OF BIPARTITE GRAPHS ASSOCIATED WITH SUMS OF FIBONACCI AND LUCAS NUMBERS**
KILIÇ E., TAŞCI D.
ARS COMBINATORIA, vol.89, pp.31-40, 2008 (SCI-Expanded)
- XII. **GENERALIZED ORDER-k FIBONACCI AND LUCAS FUNCTIONS**
KILIÇ E., TAŞCI D.
ROCKY MOUNTAIN JOURNAL OF MATHEMATICS, vol.38, no.6, pp.1991-2007, 2008 (SCI-Expanded)
- XIII. **On the permanents of some tridiagonal matrices with applications to the Fibonacci and Lucas numbers**
KILIÇ E., TAŞCI D.
ROCKY MOUNTAIN JOURNAL OF MATHEMATICS, vol.37, no.6, pp.1953-1969, 2007 (SCI-Expanded)
- XIV. **On the LCUM reciprocal GCUD matrices**
TUĞLU N., TAŞCI D.
Comptes Rendus De L Academie Bulgare Des Sciences, vol.55, no.12, pp.17-21, 2002 (SCI-Expanded)

Articles Published in Other Journals

- I. **On Gaussian Leonardo numbers**
TAŞCI D.
CONTRIBUTIONS TO MATHEMATICS, pp.34-40, 2023 (ESCI)
- II. **On the Bi-Periodic Mersenne Sequence**
ÖZKAN KIZILIRMAK G., TAŞCI D.
Fundamental journal of mathematics and applications (Online), vol.5, pp.160-167, 2022 (Peer-Reviewed Journal)
- III. **THE BOUNDS FOR THE LARGEST EIGENVALUES OF FIBONACCI-SUM AND LUCAS-SUM GRAPHS**
TAŞCI D., ÖZKAN KIZILIRMAK G., SEVGİ E., BÜYÜKKÖSE Ş.
Turkish World Mathematical Society Journal of Applied and Engineering Mathematics, vol.12, no.1, pp.367-371, 2022 (Peer-Reviewed Journal)
- IV. **BICOMPLEX BALANCING AND BICOMPLEX LUCAS-BALANCING QUATERNIONS**
TAŞCI D.
JOURNAL OF SCIENCE AND ARTS, no.1, pp.57-66, 2021 (ESCI)
- V. **Bi-Periodic Balancing Quaternions**
Sevgi E., Taşci D.
Turkish Journal of Mathematics and Computer Science, vol.12, no.2, pp.68-75, 2020 (Peer-Reviewed Journal)
- VI. **PROPERTIES OF LUCAS-SUM GRAPH**
TAŞCI D., BÜYÜKKÖSE Ş., ÖZKAN KIZILIRMAK G., SEVGİ E.
JOURNAL OF SCIENCE AND ARTS, no.2, pp.313-316, 2020 (ESCI)
- VII. **BI-PERIODIC BALANCING NUMBERS**
Taşci D., Sevgi E.
JOURNAL OF SCIENCE AND ARTS, no.1, pp.75-84, 2020 (ESCI)
- VIII. **Lambert Series in the Summation of Reciprocals in Gaussian Fibonacci Sequences**
ÖZKAN KIZILIRMAK G., TAŞCI D.
Turkish Journal Of Mathematics and Computer Science, vol.11, no.1, pp.53-57, 2019 (Peer-Reviewed Journal)
- IX. **EXPRESSION OF RECIPROCAL SUM OF GAUSSIAN LUCAS SEQUENCES BY LAMBERT SERIES**
Özkan Kızılırmak G., Taşci D.
JOURNAL OF SCIENCE AND ARTS, no.3, pp.587-592, 2019 (Peer-Reviewed Journal)

- X. **ON GENERALIZED LUCAS AND PELL-LUCAS SEQUENCES**
TAŞCI D., Tas Z. K.
JOURNAL OF SCIENCE AND ARTS, no.3, pp.637-646, 2019 (ESCI)
- XI. **Pisano Periods For The K-Fibonacci And K-Lucas Sequences Mod 2(n)**
TAŞCI D., ÖZKAN KIZILIRMAK G.
GAZI UNIVERSITY JOURNAL OF SCIENCE, vol.31, no.1, pp.213-220, 2018 (ESCI)
- XII. **PADOVAN AND PELL-PADOVAN QUATERNIONS**
TAŞCI D.
JOURNAL OF SCIENCE AND ARTS, no.1, pp.125-132, 2018 (ESCI)
- XIII. **GAUSSIAN BALANCING NUMBERS AND GAUSSIAN LUCAS-BALANCING NUMBERS**
TAŞCI D.
JOURNAL OF SCIENCE AND ARTS, no.3, pp.661-666, 2018 (ESCI)
- XIV. **GAUSSIAN PADOVAN AND GAUSSIAN PELL- PADOVAN SEQUENCES**
TAŞCI D.
COMMUNICATIONS FACULTY OF SCIENCES UNIVERSITY OF ANKARA-SERIES A1 MATHEMATICS AND STATISTICS,
vol.67, no.2, pp.82-88, 2018 (ESCI)
- XV. **ON K-JACOBSTHAL AND K-JACOBSTHAL-LUCAS QUATERNIONS**
TAŞCI D.
JOURNAL OF SCIENCE AND ARTS, no.3, pp.469-476, 2017 (ESCI)
- XVI. **Pell and Pell-Lucas Numbers Associated with Brocard-Ramanujan Equation**
TAŞCI D., SEVGİ E.
Turkish Journal of Mathematics and Computer Science, vol.7, pp.59-62, 2017 (Peer-Reviewed Journal)
- XVII. **Gaussian Tetranacci Numbers**
TAŞCI D., Acar H.
COMMUNICATIONS IN MATHEMATICS AND APPLICATIONS, vol.8, no.3, pp.379-386, 2017 (ESCI)
- XVIII. **Some Identities for Fibonacci and Incomplete Fibonacci p-Numbers via the Symmetric Matrix Method**
ÇETİN FİRENGİZ M., TAŞCI D., TUĞLU N.
JOURNAL OF INTEGER SEQUENCES, vol.17, 2014 (Scopus)
- XIX. **The k-Lucas Hyperbolic Functions**
TAŞCI D., Azman H.
Commucations in Mathematics and Applications, vol.5, no.1, pp.11-21, 2014 (Peer-Reviewed Journal)
- XX. **On the LCM-reciprocal GCD Matrices**
TUĞLU N., TAŞCI D.
Far East Journal of Mathematical Science, vol.6, pp.93-96, 2003 (Peer-Reviewed Journal)
- XXI. **On a generalization of the reciprocal LCM matrix**
ALTINIŞIK E., TAŞCI D.
COMMUNICATIONS FACULTY OF SCIENCES UNIVERSITY OF ANKARA-SERIES A1 MATHEMATICS AND STATISTICS,
vol.51, no.2, pp.37-46, 2002 (Peer-Reviewed Journal)
- XXII. **Bounds for singular values using traces of matrices**
TAŞCI D., BÜYÜKKÖSE Ş.
selcuk University Art and Science Faculty Journal of Science, vol.17, pp.137-146, 2000 (Peer-Reviewed Journal)
- XXIII. **On The Hadamard Product of Its Adjoint Matrix With a Square Matrix**
TAŞCI D.
Selçuk Üniversitesi Fen Dergisi, vol.17, pp.43-49, 2000 (Peer-Reviewed Journal)
- XXIV. **The Bounds for Singular Values Using Traces of Matrices**
TAŞCI D., BÜYÜKKÖSE Ş.
Selçuk Üniversitesi Fen Dergisi, vol.17, pp.137-146, 2000 (Peer-Reviewed Journal)

Books & Book Chapters

- I. **Soyut Cebir**
TAŞCI D.
Gazi Kitabevi, 2018

Refereed Congress / Symposium Publications in Proceedings

- I. **Lucas-Toplam Grafların Özellikleri**
TAŞCI D., ÖZKAN KIZILIRMAK G., SEVGİ E., BÜYÜKKÖSE Ş.
Uluslararası 30 Ağustos Bilimsel Araştırmalar Sempozyumu, 28 - 31 August 2019
- II. **FİBONACCİ- TOPLAM VE LUCAS- TOPLAM GRAFLARININ EN BÜYÜK ÖZDEĞERLERİ İÇİN SINIRLAR**
TAŞCI D., ÖZKAN KIZILIRMAK G., BÜYÜKKÖSE Ş., SEVGİ E.
Uluslararası 30 Ağustos Bilimsel Araştırmalar Sempozyumu, 28 - 31 August 2019
- III. **Gaussian Pell sayılarnn Ters Gösterimlerinin Sonsuz Toplamlar Üzerine**
ÖZKAN KIZILIRMAK G., TAŞCI D.
14. Ankara Matematik Günleri Sempozyumu, Ankara, Turkey, 28 - 29 June 2019
- IV. **Bi-Periodic Balancing Numbers**
TAŞCI D., SEVGİ E., ÖZKAN KIZILIRMAK G.
INTERNATIONAL CONFERENCE ON MATHEMATICS "An Istanbul Meeting for World Mathematicians"
Minisymposium on Approximation Theory Minisymposium on Math Education, 3 - 06 July 2018
- V. **Lambert Series in the Summation of Reciprocals in Gaussian Fibonacci Sequences**
TAŞCI D., ÖZKAN KIZILIRMAK G., SEVGİ E.
INTERNATIONAL CONFERENCE ON MATHEMATICS "An Istanbul Meeting for World Mathematicians"
Minisymposium on Approximation Theory Minisymposium on Math Education, 3 - 06 July 2018
- VI. **On the bounds of eigenvalues of matrixs for bi-periodic Fibonacci and bi-periodic Lucas recurrence relations**
TAŞCI D., ÖZKAN KIZILIRMAK G., BÜYÜKKÖSE Ş.
International Conference on Mathematics and Mathematics Education, 11 - 13 May 2017, pp.134-136
- VII. **k-Fibonacci and k-Lucas sequences taken to modulo m**
TAŞCI D., ÖZKAN KIZILIRMAK G.
International Conference on Mathematics and Mathematics Education 2017, 11 - 13 May 2017
- VIII. **Pell Padovan numbers and polynomials**
TAŞCI D.
IV Congress of The Türkc World Mathematical Society, Baku, Azerbaijan, 1 - 03 July 2011

Metrics

Publication: 49
Citation (WoS): 112
Citation (Scopus): 81
H-Index (WoS): 8
H-Index (Scopus): 5

Non Academic Experience

Gazi Üniversitesi
Selçuk Üniversitesi
Selçuk Üniversitesi