

## Asst. Prof. EMRE SEVGİ

### Personal Information

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### International Researcher IDs

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Publons / Web Of Science ResearcherID: AIC-5145-2022

ScopusID: 57222666032

Yoksis Researcher ID: 49734

### Education Information

Doctorate, Gazi University, Fen Bilimleri Enstitüsü, Matematik (Dr), Turkey 2014 - 2020

Postgraduate, Bolu Abant İzzet Baysal University, Graduate School Of Natural And Applied Sciences, Matematik (YI) (Tezli), Turkey 2012 - 2014

Undergraduate, Bolu Abant İzzet Baysal University, Faculty Of Arts And Sciences, Turkey 2008 - 2012

### Foreign Languages

English, C1 Advanced

### Dissertations

Doctorate, Bi-periyodik balans sayıları ve kuaterniyonları, Gazi University, Fen Bilimleri Enstitüsü, Matematik (Dr), 2020

Postgraduate, Homogeneous bases and their applications, Bolu Abant İzzet Baysal University, Fen Bilimleri Enstitüsü, Matematik (YI) (Tezli), 2014

### Research Areas

Natural Sciences

### Academic Titles / Tasks

Assistant Professor, Gazi University, Fen Fakültesi, Matematik, 2022 - Continues

Research Assistant PhD, Gazi University, Fen Fakültesi, Matematik, 2020 - 2022

Research Assistant, Gazi University, Fen Fakültesi, Matematik, 2014 - 2020

## Courses

### Undergraduate

Matematik 2, Undergraduate, 2020 - 2021

Mathematics 1, Undergraduate, 2020 - 2021

## 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)

## Articles Published in Other Journals

- I. **A new quadra polynomial sequence**  
Sevgi E.  
NOTES ON NUMBER THEORY AND DISCRETE MATHEMATICS, vol.30, no.3, pp.595-601, 2024 (ESCI)
- II. **QUADRA FIBONA-PELL HYBRID NUMBERS AND HYBRINOMIALS**  
SEVGİ E., Polat B.  
JOURNAL OF SCIENCE AND ARTS, no.4, pp.867-874, 2024 (ESCI)
- III. **The bounds for topological invariants of a weighted graph using traces**  
SEVGİ E., ÖZKAN KIZILIRMAK G., BÜYÜKKÖSE Ş.  
Open Journal of Discrete Applied Mathematics, 2023 (Peer-Reviewed Journal)
- IV. **THE BOUNDS FOR THE LARGEST EIGENVALUES OF FIBONACCI-SUM AND LUCAS-SUM GRAPHS**  
Tasci D., Kizilirmak G. O., Sevgi E., Buyukkose S.  
TWMS JOURNAL OF APPLIED AND ENGINEERING MATHEMATICS, vol.12, no.1, pp.367-371, 2022 (ESCI)
- V. **The generalized Lucas hybrinomials with two variables**  
SEVGİ E.  
COMMUNICATIONS FACULTY OF SCIENCES UNIVERSITY OF ANKARA-SERIES A1 MATHEMATICS AND STATISTICS, vol.70, no.2, pp.622-630, 2021 (ESCI)
- VI. **Bir Grafın GCD Spektral Yarıçapı ve GCD Enerjisi İçin Alt ve Üst Sınırlar**  
Özkan Kızılirmak G., Sevgi E., Büyükköse Ş.  
Gazi Üniversitesi Fen Fakültesi Dergisi, vol.2, no.2, pp.14-18, 2021 (Peer-Reviewed Journal)
- VII. **Bi-Periodic Balancing Quaternions**  
Sevgi E., Taşcı D.  
Turkish Journal of Mathematics and Computer Science, vol.12, no.2, pp.68-75, 2020 (Peer-Reviewed Journal)
- VIII. **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)
- IX. **BI-PERIODIC BALANCING NUMBERS**  
Taşcı D., Sevgi E.  
JOURNAL OF SCIENCE AND ARTS, no.1, pp.75-84, 2020 (ESCI)
- X. **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)

## Books

- I. **Sudoku, Abc Bağlama, Örüntü, Birim Küpler ve Küp Açınımıyla Matematik Öğretimi**  
Avcı C., SEVGİ E., BÜYÜKKÖSE Ş.

in: TEMEL EĞİTİMDE ZEKÂ OYUNLARI İLE EĞLENEREK ÖĞRENİYORUM -4. SINIF ÖRNEĞİ-, Kurt Hakan, Yüksel İbrahim, Savaş Muhammed Ali, Editor, Nobel Yayınevi, Ankara, pp.165-184, 2022

**II. ON THE ZAGREB AND RANDIC INDICES OF A GRAPH**

ÖZKAN KIZILIRMAK G., SEVGİ E.

in: Research&Reviews in Science and Mathematics-I, Prof.Dr.Hasan AKGÜL, Prof.Dr. Alpaslan DAYANGAÇ, Editor, Gece Kitaplığı, Ankara, pp.169-186, 2021

## **Papers Published in Refereed Scientific Meetings**

- I. **Some Properties of Quadra Fibona-Pell Hybrid Numbers**  
Polat B., Sevgi E.  
8th International Conference on Mathematics: An Istanbul Meeting for World Mathematicians, İstanbul, Turkey, 9 - 11 July 2024, pp.193-198
- II. **Bounds for various graph energies**  
SEVGİ E., ÖZKAN KIZILIRMAK G., BÜYÜKKÖSE Ş., CANGÜL İ. N.  
International Conference on Applied Mathematics and Numerical Methods – fourth edition (ICAMNM 2022), Romania, 29 June - 02 July 2022
- III. **SOME RESULTS ON DEGREE-SUM, DEGREE SQUARE SUM, FIRST ZAGREB AND SECOND ZAGREB ENERGIES OF THE FIBONACCI SUM GRAPH**  
ÖZKAN KIZILIRMAK G., SEVGİ E., BÜYÜKKÖSE Ş.  
4th INTERNATIONAL AFRICAN CONFERENCE ON CURRENT STUDIES, Libya, 21 October 2021
- IV. **Bounds For Some Energies Of Fibonacci-Sum Graphs**  
SEVGİ E., ÖZKAN KIZILIRMAK G., BÜYÜKKÖSE Ş.  
1. INTERNATIONAL MARMARA SCIENTIFIC RESEARCH AND INNOVATION CONGRESS, İstanbul, Turkey, 21 August 2021
- V. **FİBONACCI- 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
- VI. **Lucas-Toplam Grafların Özellikleri**  
TAŞCI D., ÖZKAN KIZILIRMAK G., SEVGİ E., BÜYÜKKÖSE Ş.  
Uluslararası 30 Ağustos Bilimsel Araştırmalar Sempozyumu, 28 - 31 August 2019
- VII. **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
- VIII. **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

## **Metrics**

Publication: 21

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