

## Assoc. Prof. FUNDA TAŞDEMİR

### Personal Information

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### International Researcher IDs

ScholarID: EPVhmUAAAAJ

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Publons / Web Of Science ResearcherID: AAN-5165-2021

ScopusID: 51061555400

Yoksis Researcher ID: 100866

### Education Information

Doctorate, Erciyes University, Fen Bilimleri Enstitüsü, Matematik (Dr), Turkey 2008 - 2013

Postgraduate, Gazi University, Fen Bilimleri Enstitüsü, Matematik (YI) (Tezli), Turkey 2005 - 2007

Undergraduate, Gazi University, Fen Fakültesi, Matematik Bölümü, Turkey 2001 - 2005

### Foreign Languages

English, C1 Advanced

### Certificates, Courses and Trainings

Other, Kraliyet Teknoloji Üniversitesi, Sweden, 2009

Vocational Training, AB 2006 Leonardo da Vinci Hareketlilik Projesi, Spain, 2006

### Dissertations

Doctorate, Asal yakın-halkalar ve asal yakın-halka modüllerinin karakterizasyonu üzerine, Erciyes University, Fen Bilimleri Enstitüsü, Matematik (Dr), 2013

Postgraduate, İki değişkenli aritmetik fonksiyonlar, Gazi University, Fen Bilimleri Enstitüsü, Matematik (YI) (Tezli), 2007

### Research Areas

Associative Rings and Algebras, Number Theory

### Academic Titles / Tasks

Associate Professor, Yozgat Bozok University, Fen-Edebiyat Fakültesi, Matematik, 2021 - Continues

Assistant Professor, Yozgat Bozok University, Fen-Edebiyat Fakültesi, Matematik, 2013 - 2021  
Research Assistant, Yozgat Bozok University, Fen-Edebiyat Fakültesi, Matematik, 2006 - 2013  
Research Assistant, Erciyes University, Yozgat Fen-Edebiyat Fakültesi, Matematik Pr., 2005 - 2006

## Academic and Administrative Experience

Yozgat Bozok University, 2019 - Continues

## Courses

Soyut Cebir II, Undergraduate, 2020 - 2021

Postgraduate, 2020 - 2021

Undergraduate, 2020 - 2021

Sayılar Teorisi II, Undergraduate, 2020 - 2021

Postgraduate, 2020 - 2021

Undergraduate, 2020 - 2021

Undergraduate, 2020 - 2021

Matematik I, Undergraduate, 2020 - 2021

CEBİR I, Postgraduate, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017

SAYILAR TEORİSİ II, Undergraduate, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016

SAYILAR TEORİSİ I, Undergraduate, 2019 - 2020, 2018 - 2019, 2016 - 2017, 2015 - 2016

MATEMATİK II, Undergraduate, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017

FİBONACCİ SAYILARI VE UYGULAMALARI I, Postgraduate, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016

CEBİR II, Postgraduate, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016

SOYUT MATEMATİK VE LOJİK II, Undergraduate, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2013 - 2014

SOYUT MATEMATİK VE LOJİK I, Undergraduate, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2013 - 2014

FİBONACCİ SAYILARI UYGULAMALARI II, Postgraduate, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016

Matematik I, Undergraduate, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017

SOYUT CEBİR I, Undergraduate, 2018 - 2019, 2017 - 2018, 2016 - 2017

Soyut Cebir II, Undergraduate, 2017 - 2018, 2016 - 2017

Mühendislik Matematği, Undergraduate, 2017 - 2018, 2016 - 2017

Yakın Halka Teorisi I, Postgraduate, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015

Yakın Halka Teorisi II, Postgraduate, 2016 - 2017, 2015 - 2016, 2014 - 2015

Lineer Cebir I, Undergraduate, 2016 - 2017, 2015 - 2016, 2013 - 2014

Lineer Cebir II, Undergraduate, 2016 - 2017, 2015 - 2016, 2013 - 2014

Yakın-Halka Teorisi I, Postgraduate, 2013 - 2014

Yakın-Halka Teorisi II, Postgraduate, 2013 - 2014

## Advising Theses

Taşdemir F., ON DERIVATIVES AND INTEGRALS OF FIBONACCI AND CHEBYSHEV POLYNOMIALS, Postgraduate, M.ELİF(Student), 2023

Taşdemir F., ON QUATERNIONS OF SPECIAL NUMBER SEQUENCES, Postgraduate, E.TURHAN(Student), 2023

Taşdemir F., ON THE PROPERTIES OF CHEBYSHEV POLYNOMIALS, Postgraduate, H.TURGUT(Student), 2023

Taşdemir F., Generalized binomial coefficients related with special number sequences, Postgraduate,

S.VATANBEKÇİSİ(Student), 2021

TAŞDEMİR F., Fibonacci ve lucas sayılarını içeren binomiyel çift toplamlar, Postgraduate, T.GÖRESİM(Student), 2019  
TAŞDEMİR F., Fibonacci ve Lucas sayılarında bölünebilme, Postgraduate, E.EKİN(Student), 2018  
TAŞDEMİR F., Yakın halkalarda p-v-asallık, Postgraduate, İ.TAŞTEKİN(Student), 2018  
TAŞDEMİR F., Boole yakın halkalar ve Boole idealler, Postgraduate, M.TAŞ(Student), 2016

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

- I. **FORMULAS FOR BINOMIAL DOUBLE SUMS RELATED TO LUCAS NUMBERS**  
Tasdemir F., Toska T. G.  
ARS COMBINATORIA, vol.152, pp.235-246, 2020 (SCI-Expanded)
- II. **New binomial double sums with products of fibonacci and lucas numbers**  
Kiliç E., Taşdemir F.  
Utilitas Mathematica, vol.112, pp.187-196, 2019 (SCI-Expanded)
- III. **ON BINOMIAL DOUBLE SUMS WITH FIBONACCI AND LUCAS NUMBERS-I**  
KILIÇ E., TAŞDEMİR F.  
ARS COMBINATORIA, vol.144, pp.173-185, 2019 (SCI-Expanded)
- IV. **ON BINOMIAL DOUBLE SUMS WITH FIBONACCI AND LUCAS NUMBERS-II**  
KILIÇ E., TAŞDEMİR F.  
ARS COMBINATORIA, vol.144, pp.345-354, 2019 (SCI-Expanded)
- V. **Different prime N-ideals and IFP N-Ideals**  
Taşdemir F., Atagun A. O., Altındış H.  
INDIAN JOURNAL OF PURE & APPLIED MATHEMATICS, vol.44, no.4, pp.527-542, 2013 (SCI-Expanded)
- VI. **EQUIPRIME N-IDEALS OF MONOGENIC N-GROUPS**  
Taşdemir F., Atagun A. O., Altındış H.  
HACETTEPE JOURNAL OF MATHEMATICS AND STATISTICS, vol.40, no.3, pp.375-382, 2011 (SCI-Expanded)

### Articles Published in Other Journals

- I. **Triple sums including Fibonacci numbers with three binomial coefficients**  
TAŞDEMİR F.  
NOTES ON NUMBER THEORY AND DISCRETE MATHEMATICS, vol.27, no.1, pp.188-197, 2021 (ESCI)
- II. **Binomial Triple Sums with the Lucas Numbers**  
Taşdemir F.  
Punjab University Journal of Mathematics, vol.52, no.7, pp.37-43, 2020 (ESCI)
- III. **ON P-3-PRIME AND P-c-PRIME IDEALS IN NEAR-RINGS**  
TAŞDEMİR F., Tastekin I.  
JP JOURNAL OF ALGEBRA NUMBER THEORY AND APPLICATIONS, vol.42, no.1, pp.49-57, 2019 (ESCI)
- IV. **Boole Yakın Halkalar ve Boole İdealler**  
Taş M., TAŞDEMİR F.  
Gümüşhane Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.8, no.1, pp.164-172, 2018 (Peer-Reviewed Journal)
- V. **Completely equiprime Ideals of near-ring modules**  
Taşdemir F.  
Karaelmas Fen ve Mühendislik Dergisi, vol.8, no.1, pp.79-83, 2018 (Peer-Reviewed Journal)
- VI. **Applications of Primeness in Near rings to Malone Trivial Near rings**  
YİĞİTER F. M., ATAGÜN A. O., TAŞDEMİR F.  
International Journal of Algebra, vol.5, no.28, pp.1347-1354, 2011 (Peer-Reviewed Journal)

### Refereed Congress / Symposium Publications in Proceedings

- I. **On the Properties of Chebyshev Polynomials**  
Taşdemir F., Turgut H.  
3rd International Conference on Engineering and Applied Natural Sciences, Konya, Turkey, 14 - 17 January 2023, pp.314
- II. **Some Triple Binomial Sums with Lucas Numbers**  
TAŞDEMİR F.  
IFSCOM2021 7th International IFS and Contemporary Mathematics Conference, Mersin, Turkey, 25 - 29 May 2021, pp.36
- III. **On Generalized N-systems in Near-rings**  
TAŞ M., TAŞDEMİR F.  
ICAPM (International Conference on Applied Physics and Mathematics), New York, United States Of America, 16 - 17 July 2019, pp.17-19
- IV. **Binomial Double Sums Including Lucas Numbers**  
TAŞDEMİR F., GÖRESİM TOSKA T.  
International Conference on Mathematics and Mathematics Education, Konya, Turkey, 11 - 13 July 2019, pp.2-3
- V. **On Some Characterizations of Prime N-groups**  
TAŞDEMİR F., ATAGÜN A. O., ALTINDIŞ H.  
III. International Conference on Mathematics: An İstanbul Meeting for World Mathematicians, İstanbul, Turkey, 3 - 05 July 2019, pp.61-64
- VI. **Lucas Sayılarını İçeren Alterne Toplamlar Üzerine**  
TAŞDEMİR F., GÖRESİM TOSKA T.  
14. Ankara Matematik Günleri, Ankara, Turkey, 28 - 29 June 2019, pp.47
- VII. **Alternating Binomial Sums Including Fibonacci Numbers**  
TAŞDEMİR F.  
2nd International Scientific and Vocational Studies Congress, Nevşehir, Turkey, 5 - 08 July 2018, pp.128
- VIII. **P-3-prime Ideals in Near-rings**  
TAŞDEMİR F., TAŞTEKİN İ.  
4th International Conference on Analysis and Its Applications, Kırşehir, Turkey, 11 - 14 September 2018, pp.43
- IX. **Binomial Sums with Fibonacci Numbers**  
TAŞDEMİR F.  
7nd International Eurasian Conference on Mathematical Sciences and Applications, Kiev, Ukraine, 28 - 31 August 2018, pp.154
- X. **Some Binomial Double Sums**  
TAŞDEMİR F., GÖRESİM TOSKA T.  
International Conference on Mathematics and Mathematics Education, Ordu, Turkey, 27 - 29 June 2018, pp.116-117
- XI. **Boole Esnek Kesişimsel Halkalar**  
TAŞDEMİR F., KAMACI H.  
30. Ulusal Matematik Sempozyumu, Ankara, Turkey, 6 - 09 September 2017, pp.71
- XII. **Boolean Ideals in Near-rings**  
TAŞDEMİR F., TAŞ M.  
International Conference on Mathematics and Engineering, İstanbul, Turkey, 10 - 12 May 2017, pp.86
- XIII. **Modeling the long term aging of asphalt cement by artificial neural networks**  
Taşdemir Y., Taşdemir F.  
2nd INTERNATIONAL CONFERENCE ON CIVIL AND ENVIRONMENTAL ENGINEERING, Nevşehir, Turkey, 8 - 10 May 2017, pp.147
- XIV. **Asal Yakın-Halka Modülleri**  
TAŞDEMİR F.  
7. Ankara Matematik Günleri, Ankara, Turkey, 31 May - 01 June 2012, pp.28-29
- XV. **Yakın Halka Modüllerinin e-asal İdealleri**  
TAŞDEMİR F., ATAGÜN A. O., ALTINDIŞ H.

XXIII. Ulusal Matematik Sempozyumu, Kayseri, Turkey, 4 - 07 August 2010, pp.86

**XVI. Equiprime Ideals of Near-ring Modules**

TAŞDEMİR F., ATAGÜN A. O., ALTINDIŞ H.

Antalya Algebra Days XII, Antalya, Turkey, 19 - 22 May 2010, pp.39

**XVII. On IFP N-Groups of Near Rings and Factor Near Rings**

ATAGÜN A. O., SEZGİN A., TAŞDEMİR F.

International Conference on Ring and Module Theory, Ankara, Turkey, 18 - 22 August 2008, pp.94

**XVIII. IFP N-groups and Certain Classes of Near-rings**

ATAGÜN A. O., SEZGİN A., TAŞDEMİR F.

Antalya Algebra Days X, Antalya, Turkey, 28 May - 01 June 2008, pp.47

## Supported Projects

Taşdemir F., Durusoy V. Ş., Project Supported by Higher Education Institutions, On Gauss Special Number Sequences and Polynomials, 2023 - 2024

Taşdemir F., Ertaş M., TUBITAK Project, 2022 - 2024

TAŞDEMİR F., Turgut H., Project Supported by Higher Education Institutions, Chebyshev Polinomlarının Özellikleri Üzerine, 2022 - 2023

Taşdemir Y., Taşdemir F., Aslan İ., Project Supported by Higher Education Institutions, Endüstriyel Kenevir Sapının Pirolozinden Elde Edilen Biyoçarın Bitümlü Bağlayıcının Yüksek Sıcaklık Performans Sınıfı Üzerine Etkisi, 2022 - 2023

## Scientific Refereeing

Journal of Engineering Technology and Applied Sciences, Other Indexed Journal, November 2024

TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, TUBİTAK, Turkey, June 2024

Kadirli Uygulamalı Bilimler Fakültesi Dergisi,, Other Indexed Journal, May 2024

Journal of New Results in Science, Other Indexed Journal, April 2024

Sinop Üniversitesi Fen Bilimleri Dergisi, National Scientific Refreed Journal, September 2023

Black Sea Journal of Engineering and Science, Other Indexed Journal, July 2023

Journal of New Theory, Other Indexed Journal, December 2022

PUNJAB UNIVERSITY JOURNAL OF MATHEMATICS, Journal Indexed in ESCI, November 2022

HACETTEPE JOURNAL OF MATHEMATICS AND STATISTICS, SCI Journal, September 2022

Thai Journal of Mathematics, Journal Indexed in ESCI, April 2021

Punjab University Journal of Mathematics , Journal Indexed in ESCI, March 2021

Journal of New Theory, Other Indexed Journal, March 2021

ERCİYES ÜNİVERSİTESİ FEN BİLİMLERİ ENSTİTÜSÜ DERGİSİ, National Scientific Refreed Journal, January 2021

European Journal of Pure and Applied Mathematics, Journal Indexed in ESCI, July 2020

MATHEMATICAL SCIENCES AND APPLICATIONS E-NOTES, National Scientific Refreed Journal, March 2020

Journal of New Theory, Other Indexed Journal, October 2019

Honam Mathematical Journal , Journal Indexed in ESCI, May 2019

Journal of New Theory, Other Indexed Journal, April 2019

TURKISH JOURNAL OF MATHEMATICS, SCI Journal, October 2018

Journal of Mathematics and Computer Science, Journal Indexed in ESCI, June 2017

TURKISH JOURNAL OF MATHEMATICS, SCI Journal, May 2017

## Metrics

Publication: 30

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