

**Assoc. Prof. FATMA ÖZEN  
ERDOĞAN**



**Personal Information**

**Office Phone:** [+90 224 294 2852](tel:+902242942852)

**Email:** [fatmaozen@uludag.edu.tr](mailto:fatmaozen@uludag.edu.tr)

**Web:** <https://avesis.uludag.edu.tr/fatmaozen>

**International Researcher IDs**

ScholarID: xCybNh8AAAAJ

ORCID: 0000-0002-9691-4565

Publons / Web Of Science ResearcherID: AAG-8274-2021

ScopusID: 54402700700

Yoksis Researcher ID: 156624



**Education Information**

Doctorate, Bursa Uludağ University, FEN BİLİMLERİ ENSTİTÜSÜ, Matematik (Dr), Turkey  
2009 - 2014

Postgraduate, Bursa Uludağ University, FEN BİLİMLERİ ENSTİTÜSÜ, Matematik (YI)  
(Tezli), Turkey 2007 - 2009

Undergraduate, Bursa Uludağ University, FEN-EDEBİYAT FAKÜLTESİ, Matematik Bölümü,  
Turkey 2003 - 2007

**Foreign Languages**

English, B2 Upper Intermediate

**Dissertations**

Doctorate, Modüller ve lokal halkalar üzerine geometri, Bursa Uludağ University, FEN BİLİMLERİ ENSTİTÜSÜ, Matematik,  
2014

Postgraduate, Projektif yapıların koordinatlaması üzerine, Bursa Uludağ University, FEN BİLİMLERİ ENSTİTÜSÜ,  
Matematik, 2009

**Research Areas**

Natural Sciences

**Academic Titles / Tasks**

Associate Professor, Bursa Uludağ University, FEN-EDEBİYAT FAKÜLTESİ, MATEMATİK, 2021 - Continues

Assistant Professor, Bursa Uludağ University, FEN-EDEBİYAT FAKÜLTESİ, MATEMATİK, 2020 - 2021

## Academic and Administrative Experience

Mevlana Exchange Program Coordinator, Bursa Uludağ University, FEN-EDEBİYAT FAKÜLTESİ, MATEMATİK, 2021 - Continues

Head of Department, Bursa Uludağ University, FEN-EDEBİYAT FAKÜLTESİ, MATEMATİK, 2021 - Continues

## Courses

### Postgraduate

Graflar ve Lineer Cebir, Postgraduate, 2021 - 2022

Reel Projektif Geometri, Postgraduate, 2020 - 2021

### Undergraduate

Lineer Cebir, Undergraduate, 2020 - 2021

Matematik II, Undergraduate, 2020 - 2021

Temel Matematik I, Undergraduate, 2021 - 2022

Analiz II, Undergraduate, 2019 - 2020

Matematik I, Undergraduate, 2020 - 2021

Temel Matematik II, Undergraduate, 2018 - 2019

Projektif Geometri, Undergraduate, 2017 - 2018

MAT 1097 Genel Matematik I, Undergraduate, 2017 - 2018

MAT 1089 Diferensiyel ve İntegral Hesap I, Undergraduate, 2017 - 2018

MAT 1098 Genel Matematik II, Undergraduate, 2017 - 2018

Aksiyomatik Geometri, Undergraduate, 2017 - 2018

## Supervised Theses

Özen Erdoğan F., Reduced topological graph indices on projective and affine planes, Postgraduate, E.HANEDAN(Student), 2023

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

- I. **4-Transitivity and Cross-Ratio in Moufang-Klingenberg Planes over Rings of Plural Numbers**  
ÖZEN ERDOĞAN F.  
INDIAN JOURNAL OF PURE & APPLIED MATHEMATICS, vol.51, no.4, pp.1417-1432, 2020 (SCI-Expanded)
- II. **Independence number of graphs and line graphs of trees by means of omega invariant**  
ÖZDEN AYNA H., Zihni F. E., Erdogan F., CANGÜL İ. N., Srivastava G., Srivastava H. M.  
REVISTA DE LA REAL ACADEMIA DE CIENCIAS EXACTAS FISICAS Y NATURALES SERIE A-MATEMATICAS, vol.114, no.2, 2020 (SCI-Expanded)
- III. **Projective coordinate spaces over modules**  
Erdogan F., AKPINAR A.  
HACETTEPE JOURNAL OF MATHEMATICS AND STATISTICS, vol.48, no.2, pp.406-419, 2019 (SCI-Expanded)
- IV. **On Projective Coordinate Spaces**  
Ciftci S., Erdogan F.  
FILOMAT, vol.31, no.4, pp.941-952, 2017 (SCI-Expanded)
- V. **On Modules over Local Rings**  
Erdogan F., Ciftci S., AKPINAR A.  
ANALELE STIINTIFICE ALE UNIVERSITATII OVIDIUS CONSTANTA-SERIA MATEMATICA, vol.24, no.1, pp.217-230, 2016 (SCI-Expanded)
- VI. **On addition and multiplication of points in a certain class of projective Klingenberg planes**  
ÇELİK B., Erdogan F.

## Articles Published in Other Journals

- I. **Characterization and Zagreb indices of the projective path graphs of order  $k$**   
Özen Erdoğan F.  
Montes Taurus Journal of Pure and Applied Mathematics, vol.5, no.3, pp.111-119, 2023 (Peer-Reviewed Journal)
- II. **The Effect of Vertex and Edge Deletion On The Independence Number of Graphs**  
Özen Erdoğan F., Cangül I. N., Özden Ayna H.  
Far East Journal Of Applied Mathematics, vol.112, pp.11-19, 2022 (Peer-Reviewed Journal)
- III. **A class of projective coordinate spaces over modules**  
AKPINAR A., Erdogan F.  
ASIAN-EUROPEAN JOURNAL OF MATHEMATICS, vol.13, no.5, 2020 (ESCI)
- IV. **m. Dereceden Cebir Üzerine Bir Not**  
AKPINAR A., ÖZEN ERDOĞAN F.  
Bitlis Eren Üniversitesi Fen Bilimleri Dergisi, vol.8, no.2, pp.361-375, 2019 (Peer-Reviewed Journal)
- V. **A Note on Projective Coordinate Spaces Over Modules**  
AKPINAR A., ÖZEN ERDOĞAN F.  
Konuralp Journal of Mathematics, vol.7, no.1, pp.46-54, 2019 (Peer-Reviewed Journal)
- VI. **DUAL QUATERNIONIC  $(n - 1)$ -SPACES DEFINED BY SPECIAL JORDAN ALGEBRAS OF DIMENSION  $4n^2 - 2n$**   
AKPINAR A., ÖZEN ERDOĞAN F.  
JP Journal of Geometry and Topology, vol.21, no.4, pp.327-364, 2018 (Peer-Reviewed Journal)
- VII. **Projective Graphs Obtained From Projective Planes**  
ÖZEN ERDOĞAN F., Dayıoğlu A.  
Adıyaman Üniversitesi Fen Bilimleri Dergisi, vol.8, no.2, pp.115-128, 2018 (Peer-Reviewed Journal)
- VIII. **Some Results On Quaternion 3-Space**  
AKPINAR A., ÖZEN ERDOĞAN F.  
Cumhuriyet Science Journal, vol.39, no.2, pp.303-313, 2018 (Peer-Reviewed Journal)
- IX. **A Note on the Total Number of Lines of Finite Projective Space**  
BAYRAKTAR A., ÖZEN ERDOĞAN F., AKPINAR A.  
International Journal of Geometry, vol.2, no.2, pp.46-49, 2013 (Peer-Reviewed Journal)
- X. **A Note on the total number of lines of finite projective spaces**  
ÖZEN ERDOĞAN F., AKPINAR A.  
International Journal of geometry, 2013 (Peer-Reviewed Journal)

## Papers Published in Refereed Scientific Meetings

- I. **Some Topological Indices and Energy Of The Affine Path Graphs**  
Özen Erdoğan F.  
Mediterranean International Conference on Research In Applied Sciences, Antalya, Turkey, 22 - 24 April 2022, pp.267-268
- II. **On Topological Indices of Graphs Obtained From All Linear Spaces weith 6-Points**  
Özen Erdoğan F.  
ICRAPAM 2021, Antalya, Turkey, 24 - 27 September 2021, pp.223-224
- III. **On Graphs Obtained From Some Near Linear Spaces**  
Özen Erdoğan F.  
Karabagh International Congress on Applies Sciences , Baku, Azerbaijan, 17 - 19 June 2021, pp.55-56
- IV. **On Graphs Obtained From Some Linear Spaces**

ÖZEN ERDOĞAN F.

2 nd International Congress On Mathematics and Geometry, Ankara, Turkey, 20 May 2021, pp.223-224

V. **On Graphs Obtained From Projective Planes**

ÖZEN ERDOĞAN F., DAYIOĞLU A., AKPINAR A., ÇELİK B.

16. International Geometry Symposium, Manisa, Turkey, 4 - 07 July 2018

VI. **A COMPARISON ON OCTONION AND MOUFANG-KLINGENBERG PLANES**

ÖZEN ERDOĞAN F., AKPINAR A., Doğan İ.

INTERNATIONAL CONFERENCE ON APPLIED ANALYSIS AND MATHEMATICAL MODELING, 2018, İstanbul, Turkey, 20 - 24 June 2018

VII. **Corresponding Graphs of Affine Planes**

DAYIOĞLU A., ÖZEN ERDOĞAN F., AKPINAR A., ÇELİK B.

INTERNATIONAL CONFERENCE ON APPLIED ANALYSIS AND MATHEMATICAL MODELING, 2018, İstanbul, Turkey, 20 - 24 June 2018

VIII. **Sonlu Projektif Klingenberg Düzlemlerinin Özel Bir Sınıfı İçin Üzerinde Olma Matrisi**

Doğan İ., AKPINAR A., ÖZEN ERDOĞAN F.

13. Ankara Matematik Günleri, Ankara, Turkey, 27 - 28 April 2018

IX. **On Quaternion n-Spaces**

ÖZEN ERDOĞAN F., AKPINAR A.

International Conference on Recent Advances in Pure and Applied Mathematics-ICRAPAM 2017, Aydın, Turkey, 11 - 15 May 2017

X. **On Some Geometric Structures and Local Rings**

Erdogan F., ÇELİK B., Ciftci S.

International Conference on Numerical Analysis and Applied Mathematics (ICNAAM), Halkidiki, Greece, 19 - 25 September 2011, vol.1389

XI. **Klingenberg ve Moufang Klingenberg Düzlemlerinde Koordinatlama**

ÇİFTÇİ S., ÇELİK B., ÖZEN ERDOĞAN F., AKPINAR A.

VII. Geometri Sempozyumu, Kırşehir, Turkey, 7 - 10 July 2009, pp.24

## Supported Projects

Akpınar A., Özen Erdoğan F., TÜBİTAK Project, Bir Kuadratik Jordan Cebiri ile Tanımlanan Octonion Düzlemlerde 4-Geçişkenliğin Kurulması ve 6-Şekiller ile Çifte-Oranın Bazı Özelliklerinin İncelenmesi, 2017 - 2019

ÖZEN ERDOĞAN F., AKPINAR A., Project Supported by Higher Education Institutions, Lokal Halkalar Üzerine Octonion Düzlemler, 2014 - 2018

ÖZEN ERDOĞAN F., AKPINAR A., Project Supported by Higher Education Institutions, Modüller Üzerine Geometrik Yapılar, 2012 - 2015

## Metrics

Publication: 28

Citation (WoS): 13

Citation (Scopus): 12

H-Index (WoS): 2

H-Index (Scopus): 2