

Assoc. Prof. HÜRMET FULYA AKIZ

Personal Information

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International Researcher IDs

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Education Information

Post Doctorate, Middle East Technical University, Faculty Of Arts And Sciences, Department Of Mathematics, Turkey 2024
- Continues

Undergraduate, Hacettepe University, Eğitim Fakültesi, Yabancı Diller Eğitimi Bölümü, Turkey 2014 - 2016

Doctorate, Erciyes University, Fen Bilimleri Enstitüsü, Turkey 2007 - 2013

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

Undergraduate, Erciyes University, Fen-Edebiyat Fakültesi, Matematik Pr. (İö), Turkey 2001 - 2005

Foreign Languages

English, C1 Advanced

Certificates, Courses and Trainings

Other, Doktora Araştırmacısı, Bielefeld Üniversitesi, ALMANYA, 2008

Dissertations

Doctorate, İç (Internal) grupoidler ve örtü morfizmleri, Erciyes University, Fen Bilimleri Enstitüsü, Matematik (Dr), 2013

Postgraduate, Topolojik grupların evrensel örtüleri üzerine, Erciyes University, Fen Bilimleri Enstitüsü, 2007

Research Areas

Algebraic Topology, General Mathematics, General Topology, Topological Groups, Lie Groups

Academic Titles / Tasks

Associate Professor, Yozgat Bozok University, Fen-Edebiyat Fakültesi, Matematik, 2023 - Continues

Assistant Professor, Yozgat Bozok University, Fen-Edebiyat Fakültesi, Matematik, 2013 - 2023

Lecturer, Yozgat Bozok University, Fen-Edebiyat Fakültesi, Matematik, 2009 - 2013

Academic and Administrative Experience

Deputy Head of Department, Yozgat Bozok University, Fen-Edebiyat Fakültesi, Matematik, 2018 - Continues
Erasmus Coordinator, Yozgat Bozok University, Fen-Edebiyat Fakültesi, Matematik, 2018 - Continues
Head of Department, Yozgat Bozok University, Fen-Edebiyat Fakültesi, Matematik, 2013 - Continues

Courses

Kompleks Analiz II, Undergraduate, 2023 - 2024
Matematik (Ziraat Fakültesi), Undergraduate, 2023 - 2024
Cebir II, Undergraduate, 2021 - 2022
Matematik I, Undergraduate, 2022 - 2023
Seminer, Postgraduate, 2020 - 2021
Topolojiye Giriş I, Postgraduate, 2021 - 2022
Matematik II, Undergraduate, 2020 - 2021
Topoloji I, Undergraduate, 2021 - 2022
Cebir I, Undergraduate, 2021 - 2022
Matematik Tarihi I-II, Undergraduate, 2020 - 2021
Matematik I, Undergraduate, 2013 - 2014
Topolojik Gruplar II, Undergraduate, 2013 - 2014
Topolojiye Giriş II, Postgraduate, 2013 - 2014
Topolojik Gruplar II, Postgraduate, 2013 - 2014
Topoloji II, Undergraduate, 2013 - 2014

Advising Theses

Akız H. F., İdeal topolojik uzaylarda süreklilik üzerine bir çalışma, Postgraduate, B.BİLGİN(Student), 2022
Akız H. F., Kamacı H., Sayısal değişkene bağlı abstract fonksiyonların kuvvet serisine açılımının kullanılmasıyla operatör denklemlerin çözüm yöntemi üzerine, Postgraduate, G.BAYRAKTAR(Student), 2022
Akız H. F., İdeal topolojik uzaylarda açık ve kapalı kümelerle bir yaklaşım, Postgraduate, M.ÖZCAN(Student), 2022
Akız H. F., İdeal topolojik uzaylarda ayırma aksiyomları, Postgraduate, M.BOZDAĞ(Student), 2022
AKIZ H. F., Esnek reel noktalar, Postgraduate, B.ALTINKESER(Student), 2020
AKIZ H. F., Dizisel hausdorffluk ve dizisel kompaktlık, Postgraduate, H.AYHAN(Student), 2019
AKIZ H. F., Topolojik grupların ve topolojik halkaların esnek alt yapıları, Postgraduate, C.KOÇAY(Student), 2019
AKIZ H. F., Bijektif esnek cümleler ve karar verme metotları, Postgraduate, E.TOKTAŞ(Student), 2018
AKIZ H. F., Esnek matrisler kullanılarak elde edilen karar verme metotları üzerine, Postgraduate, K.SALTIK(Student), 2018
AKIZ H. F., Topolojik uzayların dizisel anlamda incelenmesi, Postgraduate, L.KOÇAK(Student), 2017
AKIZ H. F., Üretilen esnek topoloji, Postgraduate, M.TÜKEL(Student), 2017

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Coverings of Local Topological Groups**
AKIZ H. F.
FILOMAT, vol.36, no.20, pp.7083-7089, 2022 (SCI-Expanded)
- II. **Covering morphisms of topological internal groupoids**
MUCUK O., AKIZ H. F.
HACETTEPE JOURNAL OF MATHEMATICS AND STATISTICS, vol.49, no.3, pp.1020-1029, 2020 (SCI-Expanded)
- III. **Covering Morphisms of Local Topological Group-Groupoids**
AKIZ H. F.

PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES INDIA SECTION A-PHYSICAL SCIENCES, vol.88, no.4, pp.603-606, 2018 (SCI-Expanded)

- IV. **Cardinality inverse soft matrix theory and its applications in multicriteria group decision making**
KAMACI H., Saltık K., AKIZ H. F., Atagun A. O.
JOURNAL OF INTELLIGENT & FUZZY SYSTEMS, vol.34, no.3, pp.2031-2049, 2018 (SCI-Expanded)
- V. **Monodromy Groupoid of an Internal Groupoid in Topological Groups with Operations**
MUCUK O., AKIZ H. F.
FILOMAT, vol.29, no.10, pp.2355-2366, 2015 (SCI-Expanded)
- VI. **Coverings of internal groupoids and crossed modules in the category of groups with operations**
AKIZ H. F., ALEMDAR N., MUCUK O., Sahan T.
GEORGIAN MATHEMATICAL JOURNAL, vol.20, no.2, pp.223-238, 2013 (SCI-Expanded)

Articles Published in Other Journals

- I. **I-Sequentially Connectedness**
Akız H. F., Başar K.
Bozok Journal of Science, vol.2, no.1, pp.24-29, 2024 (Peer-Reviewed Journal)
- II. **Generalized crossed modules over generalized group-groupoids**
AKIZ H. F.
KOREAN JOURNAL OF MATHEMATICS, vol.32, no.1, pp.27-42, 2024 (ESCI)
- III. **Liftings of Crossed Modules in the Category of Groups with Operations**
AKIZ H. F., MUCUK O., ŞAHAN T.
BOLETIM SOCIEDADE PARANAENSE DE MATEMATICA, vol.38, no.7, pp.181-193, 2020 (ESCI)
- IV. **I-Dizisel Hausdorff Uzaylar**
AKIZ H. F.
Gümüşhane Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.9, no.4, pp.628-632, 2019 (Peer-Reviewed Journal)
- V. **On algebraic properties of soft real points**
Hussain S., AKIZ H. F., Alajlan A. I.
Fixed Point Theory and Applications, vol.2019, no.1, 2019 (Scopus)
- VI. **SEQUENTIALLY HAUSDORFF AND FULL SEQUENTIALLY HAUSDORFF SPACES**
AKIZ H. F., Kocak L.
COMMUNICATIONS FACULTY OF SCIENCES UNIVERSITY OF ANKARA-SERIES A1 MATHEMATICS AND STATISTICS, vol.68, no.2, pp.1724-1732, 2019 (ESCI)
- VII. **MONODROMY GROUPOID OF A LOCAL TOPOLOGICAL GROUP-GROUPOID**
AKIZ H. F.
KOREAN JOURNAL OF MATHEMATICS, vol.27, no.2, pp.547-562, 2019 (ESCI)
- VIII. **The Fundamental Groupoid as a Crossed Module in the Category of Local Groups**
AKIZ H. F.
International Journal of Scientific and Technological Researches, vol.4, no.3, pp.70-75, 2018 (Peer-Reviewed Journal)
- IX. **On Soft Real Point Matrices and Their Operations**
Hussain S., AKIZ H. F., Alajlan A. I.
Moroccan Journal of Pure and Applied Analysis, vol.4, no.1, pp.9-16, 2018 (Scopus)

Books & Book Chapters

- I. **NEW DEVELOPMENTS AND DEFINITIONS IN IDEAL TOPOLOGICAL SPACES VIA CONVERGENCE**
Akız H. F.
in: Matematik, Doç. Dr. Kemal ALTIPARMAK, Editor, Yaz, Afyonkarahisar, pp.1-9, 2024

II. SEQUENTIAL DEFINITIONS IN IDEAL TOPOLOGICAL SPACES

Akız H. F.

in: Current Research in Science and Mathematics, Assoc. Prof. Gülçin BİLGİCİ CENGİZ, Editor, Livre.net , Lyon, pp.1-6, 2024

III. AN APPROACH TO CONNECTEDNESS IN IDEAL TOPOLOGICAL SPACES

Akız H. F.

in: Modern Research and Investigations in Natural and Mathematical Sciences-II, Assoc. Prof. Gülçin BİLGİCİ CENGİZ, Editor, Livre.net , Lyon, pp.31-38, 2024

IV. A NOTE ON THE FUNDAMENTAL GROUPOID AS A VECTOR SPACE-GROUPOID

Akız H. F.

in: Mathematic Researches in Mathematics and Sciences, Eda Altunel, Prof. Dr. Hasan Akgül, Editor, Gece Yayınevi, Ankara, pp.21-25, 2018

Refereed Congress / Symposium Publications in Proceedings

I. SOME TYPES OF CONTINUITY IN IDEAL TOPOLOGICAL SPACES

Akız H. F.

6th ISPEC International Conference on Contemporary Scientific Research , 25-29 September 2024, , Dubai, United Arab Emirates, 25 September - 29 October 2024, pp.1-7

II. WATER EFFICIENCY IN FIELD CROP IRRIGATION THROUGH TOPOLOGICAL DESIGN

Çopur Doğrusöz M., Akız H. F.

6th ISPEC International Conference on Contemporary Scientific Research , Dubai, United Arab Emirates, 25 - 29 September 2024, pp.8-15

III. γ - β -I AÇIK KÜMELER VE γ - β -I SÜREKLİLİK

Akız H. F., Çakır Kartal S.

Ankara Matematik Günleri 2024, Ankara, Turkey, 23 - 24 May 2024, pp.69

IV. SEQUENTIALLY CONTINUITY IN IDEAL TOPOLOGICAL SPACES

Akız H. F., Babaarslan F.

V. INTERNATIONAL CAPPADOCIA SCIENTIFIC RESEARCH CONGRESS , Nevşehir, Turkey, 5 - 07 November 2023, pp.712-718

V. Liftings of Local Crossed Modules

Akız H. F., Mucuk O.

7 th INTERNATIONAL CONFERENCE OF MATHEMATICAL SCIENCES ICMS 2023, İstanbul, Turkey, 5 - 09 July 2023, pp.13

VI. γ - β -I connectedness

Akız H. F.

International E-conference on Mathematical and Statistical Sciences: A Selçuk meeting, Konya, Turkey, 20 - 22 October 2022, pp.23

VII. An Approach to Continuity and Convergence in Ideal Topological Spaces

Akız H. F., Bilgin B.

8TH INT. IFS AND CONTEMPORARY MATHEMATICS CONFERENCE, Mersin, Turkey, 16 June 2022, pp.140

VIII. Some Properties of Generalized Open Sets in Ideal Topological Spaces

Akız H. F., Özcan M.

8TH INT. IFS AND CONTEMPORARY MATHEMATICS CONFERENCE, Mersin, Turkey, 16 June 2022, pp.155

IX. Normality and quotients in local crossed modules and local group-groupoids

Akız H. F.

Fifth International Conference on Mathematical Science (ICMS 2021), İstanbul, Turkey, 23 - 27 June 2021, pp.20

X. Local Group Groupoids and Local Crossed Modules

AKIZ H. F., MUCUK O.

FOURTH INTERNATIONAL CONFERENCE OF MATHEMATICAL SCIENCES (ICMS 2020), 17 - 21 June 2020

- XI. **Local Group Groupoids and Local Crossed Modules**
AKIZ H. F., MUCUK O.
FOURTH INTERNATIONAL CONFERENCE OF MATHEMATICAL SCIENCES (ICMS 2020), 17 - 21 June 2020
- XII. **Topological aspect of monodromy groupoid for a topological internal groupoid**
AKIZ H. F., MUCUK O.
3rd International Conference of Mathematical Sciences (ICMS), İstanbul, Turkey, 4 - 08 September 2019, vol.2183
- XIII. **Internal groupoid actions and liftings of crossed modules within groups with operations**
AKIZ H. F., MUCUK O., ŞAHAN T.
International Conference of Mathematical Sciences (ICMS), İstanbul, Turkey, 31 July - 06 August 2018, vol.2086
- XIV. **SEQUENTIALLY HAUSDORFF SPACES**
AKIZ H. F., İLKER K.
II. INTERNATIONAL SCIENTIFIC AND VOCATIONAL STUDIES CONGRESS (BILMES 2018), Nevşehir, Turkey, 28 June 2010 - 08 July 2018
- XV. **Women who have not played the roles casted by societies: Women Mathematicians**
AKIZ H. F.
1st International women's congress, Ankara, Turkey, 14 - 16 October 2016
- XVI. **Mars, In terms of Relations Between Underground Treasures and Cosmos**
AKIZ H. F.
1st International Underground Resources and Energy Conference, Yozgat, Turkey, 06 November 2016, pp.38
- XVII. **Topological Covering Morphisms of Internal Groupoids in Topological Groups with operations**
AKIZ H. F., MUCUK O.
2nd International Conference on Pure and Applied Sciences, İstanbul, Turkey, 01 June 2016
- XVIII. **Soft Topology Derived By Soft Points and Fixed Point Functions**
AKIZ H. F.
23rd International Academic Conference, Venice, Italy, 25 - 27 April 2016, pp.200-201
- XIX. **SOME GENERALIZATIONS OF SOFT MATRIX PRODUCTS**
KAMACI H., ATAGÜN A. O., AKIZ H. F.
International Conference on Mathematics and Mechanics (ICMM 2015), Paris, France, 27 - 28 April 2015, pp.12
- XX. **Topological Soft Substructures of Topological Groups and Topological Rings**
AKIZ H. F.
International Conference On Mathematics and Mechanics, Paris, France, 27 - 29 April 2015, pp.150-151
- XXI. **Local Topological Group-Groupoid Coverings and Actions**
AKIZ H. F.
IX. Iberoamerican Conference on Topology and Its Applications, Almería, Spain, 8 - 12 June 2014, pp.45-46
- XXII. **Topological Internal Groupoids and Their Coverings**
AKIZ H. F., ALEMDAR N., ŞAHAN T., MUCUK O.
1st International Euroasian Conference on Mathematical Sciences and Applications, Prishtina, Serbia, 3 - 06 September 2012, pp.230
- XXIII. **Local Topological Groups and Crossed Modules**
AKIZ H. F., ŞAHAN T., MUCUK O.
International Conference On Mathematical Science, 23 - 27 November 2010
- XXIV. **Internal Groupoids Topological Group with Operations and Crossed Modules**
AKIZ H. F., ALEMDAR N., MUCUK O.
XXIII. Ulusal Matematik Sempozyumu, Kayseri, Turkey, 4 - 07 August 2010

Supported Projects

Akız H. F., Taştan S., TÜBİTAK Project, Choquet Oyunu ile D-Uzaylarının Sınırlarını Zorlamak, 2024 - 2025

AKIZ H. F., BABAARSLAN F., Project Supported by Higher Education Institutions, İdeal Topolojik Uzaylarda Dizisel Süreklilik, 2023 - 2024

AKIZ H. F., BACAKSIZ B., Project Supported by Higher Education Institutions, İdeal Topolojik Uzaylarda Süreklilik Üzerine Bir Çalışma, 2022 - 2022

AKIZ H. F., ÖZCAN M., Project Supported by Higher Education Institutions, İdeal Topolojik Uzaylarda Açık ve Kapalı Kümelere Bir Yaklaşım, 2022 - 2022

Activities in Scientific Journals

Pure and Applied Mathematics Journal, Editor, 2021 - Continues

Expert Opinion on Astronomy and Astrophysics, Editor, 2018 - Continues

Metrics

Publication: 43

Citation (WoS): 50

Citation (Scopus): 49

H-Index (WoS): 3

H-Index (Scopus): 3

Scholarships

2008/2009 Erasmus Bursu/ Doktora Öğrencisi, University, 2008 - 2009