

Prof. HAKAN EFE

Personal Information

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International Researcher IDs

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Publons / Web Of Science ResearcherID: AHE-19626-2022

ScopusID: 23977372300

Yoksis Researcher ID: 56896

Education Information

Doctorate, Gazi University, Fen Bilimleri Enstitüsü, Matematik (Dr), Turkey 2003 - 2009

Postgraduate, Gazi University, Fen Bilimleri Enstitüsü, Matematik (Yl) (Tezli), Turkey 2001 - 2003

Undergraduate, Gazi University, Fen-Edebiyat Fakültesi, Matematik Pr., Turkey 1991 - 1995

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, Fuzzy metrik uzaylar ve uygulamaları, Gazi University, Fen Bilimleri Enstitüsü, Matematik (Dr), 2008

Postgraduate, Topolojik dinamikler ve diferensiyel denklemler, Gazi University, Fen Bilimleri Enstitüsü, Matematik (Yl) (Tezli), 2003

Research Areas

Functional Analysis, General Topology

Academic Titles / Tasks

Professor, Gazi University, Fen Fakültesi, Matematik Bölümü, 2018 - Continues

Associate Professor, Gazi University, Fen Fakültesi, Matematik Bölümü, 2011 - 2018

Assistant Professor, Gazi University, Fen Fakültesi, Matematik, 2009 - 2011

Research Assistant, Gazi University, Fen Fakültesi, Matematik Bölümü, 2000 - 2009

Advising Theses

EFE H., Fuzzy Antinormed Spaces, Postgraduate, E.SANLI(Student), 2019
 EFE H., On Sheaf Of The Groups Formed By Topological Generalized Group Over Topological Spaces, Doctorate, H.ASLAN(Student), 2019
 EFE H., Fuzzy metrik uzaylar ve sezgisel fuzzy metrik uzaylar üzerine, Doctorate, E.YİĞİT(Student), 2018
 EFE H., On Fuzzy Metric Spaces And Intuitionistic Fuzzy Metric Spaces, Doctorate, E.Yiğit(Student), 2018
 EFE H., Some Special Maps And Their Properties In Fuzzy N-Normed Spaces, Doctorate, M.RECAİ(Student), 2015
 EFE H., Non-Newtonian Analysis And Its Applications, Doctorate, U.KADAK(Student), 2015
 EFE H., Principal and strong fuzzy metric spaces, Postgraduate, M.IRMAK(Student), 2014
 EFE H., N-normlu uzaylar, Postgraduate, E.YİĞİT(Student), 2012
 EFE H., Operators in fuzzy normed spaces, Postgraduate, M.RECAİ(Student), 2011

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **On strong intuitionistic fuzzy metrics**
 EFE H., Yigit E.
 JOURNAL OF NONLINEAR SCIENCES AND APPLICATIONS, vol.9, no.6, pp.4016-4038, 2016 (SCI-Expanded)
- II. **On Uniform Convergence of Sequences and Series of Fuzzy-Valued Functions**
 Kadak U., EFE H.
 JOURNAL OF FUNCTION SPACES, vol.2015, 2015 (SCI-Expanded)
- III. **Matrix Transformations between Certain Sequence Spaces over the Non-Newtonian Complex Field**
 Kadak U., EFE H.
 SCIENTIFIC WORLD JOURNAL, 2014 (SCI-Expanded)
- IV. **ON THE CATEGORY OF INTUITIONISTIC FUZZY METRIC SPACES**
 EFE H., Gumus S., Yildiz C.
 JOURNAL OF COMPUTATIONAL ANALYSIS AND APPLICATIONS, vol.12, no.2, pp.436-443, 2010 (SCI-Expanded)
- V. **SOME RESULTS IN FUZZY COMPACT LINEAR OPERATORS**
 EFE H., Yildiz C.
 JOURNAL OF COMPUTATIONAL ANALYSIS AND APPLICATIONS, vol.12, no.1, pp.251-262, 2010 (SCI-Expanded)
- VI. **Fuzzy multi-metric spaces**
 EFE H., Alaca C., Yildiz C.
 JOURNAL OF COMPUTATIONAL ANALYSIS AND APPLICATIONS, vol.10, no.3, pp.367-375, 2008 (SCI-Expanded)

Articles Published in Other Journals

- I. **Trigonometric t-approximation**
 ASLAN H., EFE H.
 The Journal of Fuzzy Mathematics, vol.28, no.3, pp.657-672, 2020 (Peer-Reviewed Journal)
- II. **Convexity and hyperconvexity in fuzzy metric space**
 EFE H., YİĞİT DAKMAZ E.
 Journal of Computational Analysis and Applications, vol.27, no.1, pp.50-58, 2019 (Scopus)
- III. **Topological Characterizations for sheaf of the groups formed by Topological Generalized groups**
 ASLAN H., EFE H.
 Sakarya University Journal of Science, vol.3, no.23, pp.313-321, 2019 (Peer-Reviewed Journal)
- IV. **Convexity and hyperconvexity in fuzzy metric spaces**
 YİĞİT DAKMAZ E., EFE H.
 Journal Of Computational Analysis And Applications, vol.27, pp.50-58, 2019 (Scopus)
- V. **A New Approach Comparison of the Farthest Point Map in Fuzzy and Classic N-Normed Spaces with Examples**
 TÜRKMEN M. R., EFE H.

- Journal of Applied Mathematics and Computation, vol.2, no.12, pp.557-567, 2018 (Peer-Reviewed Journal)
- VI. **The Sheaf of the Groups Formed by Topological Generalized Group over Topological Spaces**
ASLAN H., EFE H.
GAZI UNIVERSITY JOURNAL OF SCIENCE, vol.31, no.4, pp.1202-1211, 2018 (ESCI)
- VII. **Intuitionistic fuzzy metrics by combination of several distance criteria**
YİĞİT DAKMAZ E., EFE H.
Gazi University Journal Of Science, vol.30, pp.413-429, 2017 (Scopus)
- VIII. **Intuitionistic Fuzzy Metrics Deduced by Combination of Several Distance Criteria**
Yigit E., EFE H.
GAZI UNIVERSITY JOURNAL OF SCIENCE, vol.30, no.1, pp.413-429, 2017 (ESCI)
- IX. **The construction of Hilbert spaces over the non-Newtonian field**
KADAK U., EFE H.
International Journal of Analysis, 2014 (Peer-Reviewed Journal)
- X. **On some properties of closability of farthest point maps in fuzzy n-Normed spaces**
TÜRKMEN M. R., EFE H.
i-Manager'xxs Journal on Mathematics, vol.2, no.4, pp.33-38, 2013 (Peer-Reviewed Journal)
- XI. **Some partial metric spaces of sequences and functions**
KADAK U., BAŞAR F., EFE H.
Gen.Math.Notes, vol.19, no.2, pp.10-36, 2013 (Peer-Reviewed Journal)
- XII. **On intuitionistic fuzzy Banach spaces**
ALACA C., EFE H.
International Journal of Pure and Applied Mathematics, vol.32, pp.347-364, 2006 (Peer-Reviewed Journal)

Books & Book Chapters

- I. **ÖABT Lise Matematik Öğretmenliği - Detaylı Konu Anlatımı**
Efe H., Boğaz K.
Nobel Yayınevi, Ankara, 2020
- II. **2020 ÖABT İLKÖĞRETİM VE ORTAÖĞRETİM MATEMATİK ÖĞRETMENLİĞİ DİFERANSİYEL DENKLEMLER VE ANALİTİK GEOMETRİ VİDEO DERS NOTLARI**
Efe H.
Benim Hocam Yayıncılık, Ankara, 2020
- III. **2020 ÖABT İlköğretim ve Ortaöğretim Matematik Öğretmenliği Analiz Video Ders Notları**
Efe H.
Benim Hocam Yayınevi, Ankara, 2020
- IV. **ÖABT 2020 İlköğretim-Ortaöğretim Matematik Öğretmenliği Analiz Video Ders Notları**
Efe H.
Benim Hocam Yayıncılık, Ankara, 2019
- V. **ÖABT Lise Matematik Öğretmenliği Detaylı Konu Anlatımı**
EFE H., BOĞAZ K.
Nobel Akademik Yayıncılık, Ankara, 2019
- VI. **Lise Matematik Öğretmenliği Detaylı Konu Anlatımı**
EFE H., Boğaz K.
Nobel Akademik Yayıncılık, Ankara, 2018
- VII. **2020 ÖABT İlköğretim ve Ortaöğretim Matematik Öğretmenliği Video Ders Notları**
Efe H.
Benim Hocam Yayınevi, Ankara, 2017
- VIII. **ÖABT Ortaöğretim Matematik 1**
ATİK A., EFE H.
YEDİİKLİM YAYINCILIK, Ankara, 2017

IX. ÖABT Ortaöğretim Matematik 2

ATİK A., EFE H.

Yedi İklim Yayınları, Ankara, 2017

X. ÖABT İlköğretim Matematik

ATİK A., EFE H.

Yedi İklim Yayınları, Ankara, 2017

Refereed Congress / Symposium Publications in Proceedings

- I. **Statistical convergence of double sequences in fuzzy n-normed spaces**
TÜRKMEN M. R., EFE H.
3rd International Congress on Science and Education, Afyonkarahisar, Turkey, 21 - 24 March 2019, pp.1419-1423
- II. **Lacunary Ideal Convergence in Fuzzy n-Normed Space**
TÜRKMEN M. R., EFE H.
II. International Congress on Science and Education 2018 (ICSE2018), Afyon, Turkey, 28 - 30 September 2018, pp.384-390
- III. **The Sheaf of the Groups Formed by Topological Generalized Group over Topological Spaces**
ASLAN H., EFE H.
The Third International Conference on Computational Mathematics and Engineering Sciences (CMES-2018), Girne, Cyprus (Kkctc), 4 - 06 May 2018
- IV. **A New Approach Comparison of the Farthest Point Map in Fuzzy and Classic n-Normed Spaces with Examples**
TÜRKMEN M. R., EFE H.
INTERNATIONAL CONFERENCE ON "OPERATORS IN MORREY-TYPE SPACES AND APPLICATIONS", 10 - 13 July 2017
- V. **Some Properties of Soft Fuzzy Metric Spaces**
YİĞİT E., ŞOLA ERDURAN F., EFE H.
International Conference on Mathematics and Mathematics Education (ICMME-2017), Şanlıurfa, Turkey, 11 - 13 May 2017, pp.812-813

Metrics

Publication: 33

Citation (WoS): 15

Citation (Scopus): 19

H-Index (WoS): 3

H-Index (Scopus): 2

Non Academic Experience

GAZİ ÜNİVERSİTESİ