

Prof. HALİS AYGÜN

Personal Information

Fax Phone: [+90 262 303 2003](tel:+902623032003)

Email: halis@kocaeli.edu.tr

Web: <https://avesis.kocaeli.edu.tr/halis>

Address: Kocaeli Üniversitesi, Fen Edebiyat Fakültesi, Matematik Bölümü, Umuttepe, İzmit, Kocaeli

International Researcher IDs

ScholarID: e-ne-CoAAAAJ

ORCID: 0000-0003-3263-3884

Publons / Web Of Science ResearcherID: G-1007-2018

ScopusID: 6603592217

Yoksis Researcher ID: 3479

Education Information

Doctorate, City University, London, Matematik, England 1994 - 1997

Postgraduate, Karadeniz Technical University, Fen-Edebiyat Fakültesi, Matematik Bölümü, Turkey 1989 - 1992

Undergraduate, Karadeniz Technical University, Fen-Edebiyat Fakültesi, Matematik Bölümü, Turkey 1985 - 1989

Foreign Languages

English, B2 Upper Intermediate

Research Areas

Mathematics, Functional Analysis, General Topology, Mathematical Logic and Foundations, Natural Sciences

Academic Titles / Tasks

Professor, Kocaeli University, Fen Edebiyat Fakültesi, Matematik, 2006 - Continues

Associate Professor, Kocaeli University, Fen Edebiyat Fakültesi, Matematik, 2000 - 2006

Assistant Professor, Kocaeli University, Fen Edebiyat Fakültesi, Matematik, 1998 - 2000

Research Assistant, Kocaeli University, Fen Edebiyat Fakültesi, Matematik, 1993 - 1998

Research Assistant, Karadeniz Technical University, Fen-Edebiyat Fakültesi, Matematik Bölümü, 1989 - 1993

Academic and Administrative Experience

ÖSYM Başkanı, 2018 - 2022

Dean, Kocaeli University, Fen Edebiyat Fakültesi, Matematik, 2011 - 2018

Member of the Senate, Kocaeli University, Fen Edebiyat Fakültesi, Matematik, 2009 - 2018

Head of Department, Kocaeli University, Fen Edebiyat Fakültesi, Matematik, 2006 - 2018

Head of Department, Kocaeli University, Fen Edebiyat Fakültesi, Matematik, 2001 - 2018

Kocaeli Üniversitesi, Hereke Ömer İsmet Uzunyol Meslek Yüksekokulu, 2009 - 2011
Manager of Research and Application Center, Kocaeli University, 2006 - 2009
Kocaeli Üniversitesi, Fen-Edebiyat Fakültesi, 2005 - 2006
Deputy Head of Department, Kocaeli University, Fen Edebiyat Fakültesi, Matematik, 2000 - 2005

Courses

Seminer II, Undergraduate, 2022 - 2023
Seminer I, Undergraduate, 2023 - 2024
Uzmanlık Alan Dersi, Doctorate, 2022 - 2023
Doktora Yeterlik, Doctorate, 2022 - 2023
Topolojiden Seçme Konular, Undergraduate, 2022 - 2023
Doktora Tez, Doctorate, 2022 - 2023
Topoloji I, Undergraduate, 2023 - 2024
Metrik Uzaylar, Undergraduate, 2023 - 2024
Seminer I, Undergraduate, 2017 - 2018, 2016 - 2017
İleri Analiz I, Undergraduate, 2017 - 2018, 2016 - 2017
Bilim Tarihi, Undergraduate, 2017 - 2018
Topoloji I, Undergraduate, 2017 - 2018, 2016 - 2017
Seminer II, Undergraduate, 2016 - 2017
İleri Analiz II, Undergraduate, 2016 - 2017
Topoloji II, Undergraduate, 2016 - 2017

Advising Theses

Aygün H., Bulanık kısmi metrik yapıların kategorik olarak incelenmesi ve uygulamaları, Doctorate, E.GÜNER(Student), 2023
Aygün H., Kısımlı bulanık metrik uzaylar ve sabit nokta teoremleri, Postgraduate, B.ALDEMİR(Student), 2021
Aygün H., Bulanık esnek metrikler tarafından üretilen topolojik yapılar, Doctorate, E.AYDOĞDU(Student), 2019
Aygün H., 2-metrik uzaylar ve sabit nokta teoremleri, Postgraduate, E.GÜNER(Student), 2017
Aygün H., Bulanık esnek topolojik yapılar, Doctorate, V.ÇETKİN(Student), 2014
Aygün H., Bulanık esnek topolojik uzaylar, Doctorate, B.PAZAR(Student), 2012
Aygün H., Esnek topolojik uzay, Doctorate, A.AYGÜNOĞLU(Student), 2011
Aygün H., Latis değerli bulanık topolojik uzaylar, Postgraduate, V.ÇETKİN(Student), 2009
Aygün H., Aralık değerli sezgisel bulanık topolojik uzaylar, Postgraduate, A.AYGÜNOĞLU(Student), 2007
Aygün H., Smooth L-fuzzy topolojik uzaylarda kompaktlığın zayıf ve güçlü formları ve aralarındaki ilişkiler, Doctorate, A.ARZU(Student), 2007
Aygün H., Smooth topolojik uzaylarda kompaktlık, Postgraduate, B.PAZAR(Student), 2006
Aygün H., L-fuzzy topolojik uzaylarda kompaktlık, Postgraduate, Ö.ERGÜN(Student), 2005
Aygün H., Fuzzy topolojik uzaylarda kompaktlık, Postgraduate, A.ARZU(Student), 2003
Aygün H., Devirli grupların serbest çarpımlarının tek bağıntılı bölüm grupları, Doctorate, Y.TÜRKER(Student), 2002

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Complex spherical fuzzy TOPSIS based on entropy**
AYDOĞDU E., GÜNER E., Aldemir B., AYGÜN H.
Expert Systems with Applications, vol.215, 2023 (SCI-Expanded)
- II. **A Novel Entropy Measure with its Application to the COPRAS Method in Complex Spherical Fuzzy**

Environment

Aydoğdu E., Aldemir B., Güner E., Aygün H.

INFORMATICA, vol.0, no.0, pp.1-33, 2023 (SCI-Expanded)

III. Fuzzy Partial Metric Spaces and Fixed Point Theorems

AYGÜN H., GÜNER E., Minana J., Valero O.

MATHEMATICS, vol.10, no.17, 2022 (SCI-Expanded)

IV. Spherical fuzzy soft sets: Theory and aggregation operator with its applications

GÜNER E., AYGÜN H.

IRANIAN JOURNAL OF FUZZY SYSTEMS, vol.19, no.2, pp.83-97, 2022 (SCI-Expanded)

V. A new approach to fuzzy partial metric spaces

GÜNER E., AYGÜN H.

Hacettepe Journal of Mathematics and Statistics, vol.51, no.6, pp.1563-1576, 2022 (SCI-Expanded)

VI. A fixed point principle in ordered metric spaces and applications to rational type contractions

Eroğlu I., GÜNER E., AYGÜN H., Valero O.

AIMS Mathematics, vol.7, no.7, pp.13573-13594, 2022 (SCI-Expanded)

VII. On 2S-metric spaces

ÇETKİN V., GÜNER E., AYGÜN H.

SOFT COMPUTING, vol.24, no.17, pp.12731-12742, 2020 (SCI-Expanded)

VIII. Construction of Fuzzy Topology by Using Fuzzy Metric

AYGÜNOĞLU A., AYDOĞDU E., AYGÜN H.

FILOMAT, vol.34, no.2, pp.433-441, 2020 (SCI-Expanded)

IX. Fuzzy Soft Metric and Fuzzifying Soft Topology Induced by Fuzzy Soft Metric

AYGÜNOĞLU A., AYDOĞDU E., AYGÜN H.

FILOMAT, vol.33, no.2, pp.645-653, 2019 (SCI-Expanded)

X. A topological view on L-fuzzy soft sets: Connectedness degree

ÇETKİN V., AYGÜN H.

JOURNAL OF INTELLIGENT & FUZZY SYSTEMS, vol.34, no.3, pp.1975-1983, 2018 (SCI-Expanded)

XI. On neutrosophic submodules of a module

Cetkin V., Varol B. P., Aygun H.

HACETTEPE JOURNAL OF MATHEMATICS AND STATISTICS, vol.46, no.5, pp.791-799, 2017 (SCI-Expanded)

XII. A topological view on application of L-fuzzy soft sets: Compactness

ÇETKİN V., AYGÜNOĞLU A., AYGÜN H.

JOURNAL OF INTELLIGENT & FUZZY SYSTEMS, vol.32, no.1, pp.781-790, 2017 (SCI-Expanded)

XIII. On L-soft merotopies

ÇETKİN V., AYGÜN H.

SOFT COMPUTING, vol.20, no.12, pp.4779-4790, 2016 (SCI-Expanded)

XIV. On Soft Fuzzy Closure and Interior Operators

ÇETKİN V., AYGÜNOĞLU A., AYGÜN H.

UTILITAS MATHEMATICA, vol.99, pp.341-367, 2016 (SCI-Expanded)

XV. On Convergence of Soft Nets

ÇETKİN V., AYGÜN H.

JOURNAL OF MULTIPLE-VALUED LOGIC AND SOFT COMPUTING, vol.26, pp.175-187, 2016 (SCI-Expanded)

XVI. CATS of soft topological spaces

ÇETKİN V., AYGÜNOĞLU A., AYGÜN H.

JOURNAL OF INTELLIGENT & FUZZY SYSTEMS, vol.30, no.4, pp.1903-1913, 2016 (SCI-Expanded)

XVII. A new approach in handling soft decision making problems

ÇETKİN V., AYGÜNOĞLU A., AYGÜN H.

JOURNAL OF NONLINEAR SCIENCES AND APPLICATIONS, vol.9, no.1, pp.231-239, 2016 (SCI-Expanded)

XVIII. An approach to neutrosophic subgroup and its fundamental properties

ÇETKİN V., AYGÜN H.

JOURNAL OF INTELLIGENT & FUZZY SYSTEMS, vol.29, no.5, pp.1941-1947, 2015 (SCI-Expanded)

- XIX. **Soft sets over power sets: Generalities and applications to topology**
Varol B. P., AYGÜN H.
JOURNAL OF INTELLIGENT & FUZZY SYSTEMS, vol.29, no.1, pp.389-395, 2015 (SCI-Expanded)
- XX. **An introduction to fuzzy soft topological spaces**
AYGÜNOĞLU A., ÇETKİN V., AYGÜN H.
Hacettepe Journal Of Mathematics And Statistics, vol.43, pp.197-208, 2014 (SCI-Expanded)
- XXI. **On fuzzy soft topogenous structure**
ÇETKİN V., AYGÜN H.
JOURNAL OF INTELLIGENT & FUZZY SYSTEMS, vol.27, no.1, pp.247-255, 2014 (SCI-Expanded)
- XXII. **An Approach to the Concept of Soft Fuzzy Proximity**
ÇETKİN V., Sostak A. P., AYGÜN H.
ABSTRACT AND APPLIED ANALYSIS, 2014 (SCI-Expanded)
- XXIII. **Neighborhood structures of fuzzy soft topological spaces**
Varol B. P., AYGÜNOĞLU A., AYGÜN H.
JOURNAL OF INTELLIGENT & FUZZY SYSTEMS, vol.27, no.4, pp.2127-2135, 2014 (SCI-Expanded)
- XXIV. **On embedding problem of fuzzy number valued continuous functions**
AYGÜNOĞLU A., ÇETKİN V., AYGÜN H.
JOURNAL OF INTELLIGENT & FUZZY SYSTEMS, vol.25, no.1, pp.243-246, 2013 (SCI-Expanded)
- XXV. **On double fuzzy preuniformity**
ÇETKİN V., AYGÜN H.
JOURNAL OF NONLINEAR SCIENCES AND APPLICATIONS, vol.6, no.4, pp.263-278, 2013 (SCI-Expanded)
- XXVI. **Fuzzy soft topology**
Varol B., AYGÜN H.
Hacettepe Journal of Mathematics and Statistics, vol.41, no.3, pp.407-419, 2012 (SCI-Expanded)
- XXVII. **Interval valued intuitionistic fuzzy subgroups based on interval valued double t norm**
AYGÜNOĞLU A., PAZAR VAROL B., ÇETKİN V., AYGÜN H.
Neural Computing & Applications, vol.21, pp.207-214, 2012 (SCI-Expanded)
- XXVIII. **ON (L, M)-FUZZY CLOSURE SPACES**
AYGÜN H., ÇETKİN V., ABBAS S. E.
IRANIAN JOURNAL OF FUZZY SYSTEMS, vol.9, no.5, pp.41-62, 2012 (SCI-Expanded)
- XXIX. **A new approach to soft topology**
Varol B., SHOSTAK A., AYGÜN H.
Hacettepe Journal of Mathematics and Statistics, vol.41, no.5, pp.731-741, 2012 (SCI-Expanded)
- XXX. **Intuitionistic Fuzzy Metric Groups**
PAZAR VAROL B., AYGÜN H.
International Journal Of Fuzzy Systems, vol.14, pp.454-461, 2012 (SCI-Expanded)
- XXXI. **Some notes on soft topological spaces**
AYGÜNOĞLU A., AYGÜN H.
NEURAL COMPUTING & APPLICATIONS, vol.21, 2012 (SCI-Expanded)
- XXXII. **(r, s)-CONVERGENT NETS**
Aygün H., Abbas S. E.
HACETTEPE JOURNAL OF MATHEMATICS AND STATISTICS, vol.41, no.2, pp.175-190, 2012 (SCI-Expanded)
- XXXIII. **On (L, M)-Double Fuzzy Ideals**
ÇETKİN V., AYGÜN H.
INTERNATIONAL JOURNAL OF FUZZY SYSTEMS, vol.14, no.1, pp.166-174, 2012 (SCI-Expanded)
- XXXIV. **(r,s)-convergent nets**
Aygün H., Abbas S.
HACETTEPE JOURNAL OF MATHEMATICS AND STATISTICS, vol.41, no.2, pp.175-190, 2012 (SCI-Expanded)
- XXXV. **Lattice valued double fuzzy preproximity spaces**
ÇETKİN V., AYGÜN H.
COMPUTERS & MATHEMATICS WITH APPLICATIONS, vol.60, no.3, pp.849-864, 2010 (SCI-Expanded)

- XXXVI. **Introduction to fuzzy soft groups**
AYGÜNOĞLU A., AYGÜN H.
COMPUTERS & MATHEMATICS WITH APPLICATIONS, vol.58, no.6, pp.1279-1286, 2009 (SCI-Expanded)
- XXXVII. **SOME GOOD EXTENSIONS OF COMPACTNESS IN SOSTAK'S L-FUZZY TOPOLOGY**
AYGÜN H., Abbas S. E.
HACETTEPE JOURNAL OF MATHEMATICS AND STATISTICS, vol.36, no.2, pp.115-125, 2007 (SCI-Expanded)
- XXXVIII. **Intuitionistic fuzzy semiregularization spaces**
Abbas S., Aygun H.
INFORMATION SCIENCES, vol.176, no.6, pp.745-757, 2006 (SCI-Expanded)
- XXXIX. **On characterizations of some covering properties in L-fuzzy topological spaces in Sostak's sense**
Aygun H., Abbas S.
INFORMATION SCIENCES, vol.165, no.3-4, pp.221-233, 2004 (SCI-Expanded)
- XL. **alpha-Compactness in L-fuzzy topological spaces**
Aygun H.
FUZZY SETS AND SYSTEMS, vol.116, no.3, pp.317-324, 2000 (SCI-Expanded)
- XLI. **Relative compactness in L-fuzzy topological spaces**
Aygun H., Kudri S., Warner M.
FUZZY SETS AND SYSTEMS, vol.116, no.3, pp.311-316, 2000 (SCI-Expanded)
- XLII. **P-closedness in L-fuzzy topological spaces**
Aygun H., Kudri S.
FUZZY SETS AND SYSTEMS, vol.109, no.2, pp.277-283, 2000 (SCI-Expanded)
- XLIII. **Completely induced L-fuzzy topological spaces**
Aygun H., Warner M., Kudri S.
FUZZY SETS AND SYSTEMS, vol.103, no.3, pp.513-523, 1999 (SCI-Expanded)

Articles Published in Other Journals

- I. **Aggregation of Fuzzy Metric Spaces: A Fixed Point Theorem**
GÜNER E., AYGÜN H.
WSEAS TRANSACTIONS ON MATHEMATICS, vol.23, 2024 (Scopus)
- II. **A comparative study on the generalized spherical fuzzy Einstein aggregation operators**
Güner E., Aygün H.
GAZI UNIVERSITY JOURNAL OF SCIENCE, vol.37, no.1, pp.393-413, 2024 (ESCI)
- III. **Linear Diophantine Fuzzy Sets: Image Edge Detection Techniques based on Similarity Measures**
ALDEMİR B., GÜNER E., AYGÜN H.
WSEAS TRANSACTIONS ON SIGNAL PROCESSING, vol.19, 2023 (Peer-Reviewed Journal)
- IV. **On Partial Fuzzy Metric-Preserving Functions**
GÜNER E., AYGÜN H.
International Journal of Nonlinear Analysis and Applications, 2023 (Peer-Reviewed Journal)
- V. **ON SOME TRIANGULAR INEQUALITIES AND APPLICATIONS IN 2-FUZZY METRIC SPACES**
GÜNER E., AYGÜN H.
Turkish World Mathematical Society Journal of Applied and Engineering Mathematics, vol.13, no.2, pp.480-490, 2023 (ESCI)
- VI. **An algebraic perspective on neutrosophic sets: fields and linear spaces**
Çetkin V., Pazar Varol B., Aygün H.
Journal of Linear and Topological Algebra, vol.10, no.3, pp.187-198, 2021 (Peer-Reviewed Journal)
- VII. **On b_2-Metric Spaces**
GÜNER E., AYGÜN H.
Konuralp Journal of Mathematics, vol.9, no.1, pp.33-39, 2021 (Peer-Reviewed Journal)
- VIII. **Some Fixed Point Theorems in Partial Fuzzy Metric Spaces**

- ALDEMİR B., GÜNER E., AYDOĞDU E., AYGÜN H.
Journal of the Institute of Science and Technology, vol.10, no.4, pp.2889-2900, 2020 (Peer-Reviewed Journal)
- IX. **The Space of Continuous Function Between Fuzzy Metric Spaces**
Aydoğdu E., Aygunoğlu A., Aygün H.
Erzincan Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.5, pp.8-20, 2020 (Peer-Reviewed Journal)
- X. **Some Fixed Point Theorems in Partial Fuzzy Metric Spaces**
ALDEMİR B., GÜNER E., AYDOĞDU E., AYGÜN H.
İğdır Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.10, pp.2889-2900, 2020 (Peer-Reviewed Journal)
- XI. **Intuitionistic Fuzzy Soft Near Rings Induced by (T,S)-norms**
Pazar Varol B., Aygün H.
Communications in Mathematics and Applications, vol.11, no.3, pp.499-512, 2020 (ESCI)
- XII. **A New View on Neutrosophic Matrix**
Pazar Varol B., Çetkin V., Aygün H.
Journal of Hyperstructures, 2019 (Peer-Reviewed Journal)
- XIII. **NEAR RINGS IN THE VIEW OF DOUBLE-FRAMED SOFT FUZZY SETS**
Khan M. B., ÇETKİN V., Mahmood T., Jan N., Ullah K., AYGÜN H.
Sigma Journal of Engineering and Natural Sciences, 2019 (ESCI)
- XIV. **An Approach to Neutrosophic Subrings**
ÇETKİN V., AYGÜN H.
Sakarya University Journal of Science, 2019 (Peer-Reviewed Journal)
- XV. **Some notes on soft hyperconnected spaces**
Al Saadi H. S., AYGÜN H., Al Omari A.
The Journal of Analysis, 2019 (Scopus)
- XVI. **FIXED POINTS OF MULTIVALUED NONEXPANSIVE MAPPINGS IN KOHLENBACH HYPERBOLIC SPACE**
GÜNDÜZ B., AYDOĞDU E., AYGÜN H.
Journal of Computational Analysis and Applications, vol.26, pp.509-519, 2019 (Scopus)
- XVII. **FIXED POINT RESULTS FOR (A)over-tilde-CONTRACTIONS IN SOFT METRIC SPACES**
GÜNER E., ÇETKİN V., AYGÜN H.
SIGMA JOURNAL OF ENGINEERING AND NATURAL SCIENCES-SIGMA MUHENDISLIK VE FEN BİLİMLERİ DERGİSİ, vol.36, no.2, pp.315-323, 2018 (ESCI)
- XVIII. **FIXED POINT RESULTS FOR α -CONTRACTIONS IN SOFT METRIC SPACES**
GÜNER E., ÇETKİN V., AYGÜN H.
SIGMA JOURNAL OF ENGINEERING AND NATURAL SCIENCES-SIGMA MUHENDISLIK VE FEN BİLİMLERİ DERGİSİ, 2018 (Peer-Reviewed Journal)
- XIX. **An approach to neutrosophic ideals**
ÇETKİN V., AYGÜN H.
Universal Journal of Mathematics and Applications, 2018 (Peer-Reviewed Journal)
- XX. **On (L, M)-Double Fuzzy Filter Spaces**
Abd El-Latif A. A., AYGÜN H., ÇETKİN V.
ADVANCES IN FUZZY SYSTEMS, vol.2018, 2018 (ESCI)
- XXI. **SOFT FIXED POINT THEOREMS IN TERMS OF SOFT ALTERING DISTANCE FUNCTION**
GÜNER E., ÇETKİN V., AYGÜN H.
SIGMA JOURNAL OF ENGINEERING AND NATURAL SCIENCES-SIGMA MUHENDISLIK VE FEN BİLİMLERİ DERGİSİ, vol.9, no.3, pp.285-293, 2018 (ESCI)
- XXII. **Hutton Uniformity in the Context of Fuzzy Soft Sets**
ÇETKİN V., AYGÜN H.
EUROPEAN JOURNAL OF PURE AND APPLIED MATHEMATICS, vol.9, no.4, pp.419-433, 2016 (ESCI)
- XXIII. **A note on intuitionistic supra fuzzy soft topological spaces**
ÇETKİN V., AYGÜN H.
Notes on Intuitionistic Fuzzy Sets, vol.21, pp.48-57, 2015 (Peer-Reviewed Journal)
- XXIV. **Lattice valued fuzzy soft grills**

- ÇETKİN V., AYGÜN H.
Journal of Mathematics and Computer Science, vol.15, pp.57-69, 2015 (ESCI)
- XXV. **Fuzzy Soft Semiregularization Spaces**
ÇETKİN V., AYGÜN H.
Annals of Fuzzy Mathematics and Informatics, 2014 (Peer-Reviewed Journal)
- XXVI. **On vague soft groups**
PAZAR VAROL B., AYGÜNOĞLU A., AYGÜN H.
Annals of Fuzzy Mathematics and Informatics, vol.7, pp.205-218, 2014 (Peer-Reviewed Journal)
- XXVII. **Uniformity structure in the context of soft set**
ÇETKİN V., AYGÜN H.
Annals of Fuzzy Mathematics and Informatics, vol.6, pp.69-76, 2013 (Peer-Reviewed Journal)
- XXVIII. **Extension of Shi's Quasi Uniformity to the Fuzzy Soft Sets**
ÇETKİN V., AYGÜN H.
Mathematical Sciences and Application E-Notes, vol.1, pp.42-50, 2013 (Peer-Reviewed Journal)
- XXIX. **On soft Hausdorff spaces**
PAZAR VAROL B., AYGÜN H.
Annals of Fuzzy Mathematics and Informatics, vol.5, pp.15-24, 2013 (Peer-Reviewed Journal)
- XXX. **On Fuzzy Soft Rings**
PAZAR VAROL B., AYGÜNOĞLU A., AYGÜN H.
Journal of Hyperstructures, vol.1, pp.1-15, 2012 (Peer-Reviewed Journal)
- XXXI. **On Stratified L filter Structure**
ABBAS S. E., AYGÜN H., ÇETKİN V.
International Journal of Pure and Applied Mathematics, vol.78, pp.1221-1239, 2012 (Peer-Reviewed Journal)
- XXXII. **Categories Related to Topology Viewed as Soft Sets**
PAZAR VAROL B., SHOSTAK A., AYGÜN H.
Advances in Intelligent Systems Research, vol.1, pp.883-890, 2011 (Peer-Reviewed Journal)
- XXXIII. **On Compactness in L fuzzy Bitopological Spaces**
ÇETKİN V., AYGÜN H.
Advances in Fuzzy Mathematics, vol.5, pp.81-89, 2010 (Peer-Reviewed Journal)
- XXXIV. **On L M Fuzzy Interior Spaces**
ÇETKİN V., AYGÜN H.
Advances in Theoretical and Applied Mathematics, vol.5, pp.177-195, 2010 (Peer-Reviewed Journal)
- XXXV. **Locally compact L-fuzzy spaces**
Aygün H., Breuckmann T., Kudri S.
European Journal of Pure and Applied Mathematics, vol.2, no.1, pp.147-161, 2009 (Peer-Reviewed Journal)
- XXXVI. **Fuzzy inverse compactness**
AYGÜN H., Bural A. A., Kudri S. R.
International Journal of Mathematics and Mathematical Sciences, vol.2008, 2008 (Scopus)
- XXXVII. **Strong Compactness and P-Closedness in Smooth L-Fuzzy Topological Spaces**
Aygün H., Arı A. A.
Int. J. Contemp. Math. Sciences, vol.3, no.5, pp.199-212, 2008 (Peer-Reviewed Journal)
- XXXVIII. **Some good extensions of compactness**
Aygün H., Abbas S.
Journal of Korean Institute of intelligent systems, vol.13, no.5, pp.614-620, 2003 (Peer-Reviewed Journal)
- XXXIX. **On characterizations of some covering properties in L-fuzzy topological spaces**
AYGÜN H., Kudri S.
Matematicki Vesnik, vol.52, no.1-2, pp.55-61, 2000 (Scopus)
- XL. **On some weaker forms of L-fuzzy compactness**
Aygün H., Kudri S.
Journal of Fuzzy Mathematics, vol.8, no.1, pp.27-42, 2000 (Peer-Reviewed Journal)
- XLI. **On smooth L-fuzzy topological spaces**

Aygün H., Warner M., Kudri S.

Journal of Fuzzy Mathematics, vol.5, no.2, pp.321-338, 1997 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **An application of linear Diophantine fuzzy sets to the edge detection techniques**
ALDEMİR B., GÜNER E., AYGÜN H.
IV International Conference on Mathematics and its Applications in Science and Engineering (ICMASE 2023), Spain,
12 - 14 July 2023
- II. **On strong fuzzy partial metric spaces**
GÜNER E., AYGÜN H.
IV International Conference on Mathematics and its Applications in Science and Engineering (ICMASE 2023), Spain,
12 - 14 July 2023
- III. **Generalized spherical fuzzy topological spaces with their applications to the multi-criteria decision-making problems**
GÜNER E., AYGÜN H.
6th International Conference on Mathematics "An Istanbul Meeting for World Mathematicians", İstanbul, Turkey,
21 June 2022
- IV. **An extension of TOPSIS method to the generalized spherical fuzzy environment**
GÜNER E., AYGÜN H.
6th International Conference on Mathematics "An Istanbul Meeting for World Mathematicians", İstanbul, Turkey,
21 June 2022
- V. **Generalized Spherical Fuzzy Hamacher Aggregation Operators**
GÜNER E., AYGÜN H.
1st International Symposium on Current Developments in Fundamental and Applied Mathematics Sciences
(ISCDFAMS -2022), Erzurum, Turkey, 23 May 2022
- VI. **Spherical Fuzzy Sets: AHP-COPRAS Method based on Hamacher Aggregation Operator**
GÜNER E., ALDEMİR B., AYDOĞDU E., AYGÜN H.
Studies on Scientific Developments in Geometry, Algebra, and Applied Mathematics, Turkey, 01 February 2022
- VII. **COPRAS Method Based on Entropy Measure under Complex Spherical Fuzzy Information**
AYDOĞDU E., ALDEMİR B., GÜNER E., AYGÜN H.
Studies on Scientific Developments in Geometry, Algebra, and Applied Mathematics, Turkey, 01 February 2022
- VIII. **Complex Spherical Fuzzy Topsis Method with Dombi Aggregation Operators**
ALDEMİR B., GÜNER E., AYDOĞDU E., AYGÜN H.
1st INTERNATIONAL SYMPOSIUM ON RECENT ADVANCES IN FUNDAMENTAL AND APPLIED SCIENCES, Turkey, 10 - 12 September 2021
- IX. **Generalized spherical fuzzy Einstein aggregation operators: Application to multi-criteria group decision-making problems**
GÜNER E., AYGÜN H.
9th INTERNATIONAL EURASIAN CONFERENCE ON MATHEMATICAL SCIENCES AND APPLICATIONS, 25 - 28 August 2020
- X. **FIXED POINT THEOREMS ON PARTIAL FUZZY METRIC SPACES**
ALDEMİR B., GÜNER E., AYDOĞDU E., AYGÜN H.
4th INTERNATIONAL MARMARA SCIENCES CONGRESS, 19 - 20 June 2020
- XI. **Some Properties of Partial Fuzzy Metric Topology**
AYDOĞDU E., ALDEMİR B., GÜNER E., AYGÜN H.
Advances in Intelligent Systems and Computing, 21 - 23 July 2020, vol.1197, pp.1267
- XII. **On 2-Fuzzy Metric Spaces**
GÜNER E., AYGÜN H.
Advances in Intelligent Systems and Computing, 21 - 23 July 2020

- XIII. **Güçlü b2-Metrik Uzaylar**
GÜNER E., AYGÜN H.
14. Ankara Matematik Günleri Sempozyumu, Turkey, 28 - 29 June 2019
- XIV. **2-metrik Uzaylarda Meir-Keeler Tipindeki Daralma Dönüşümleri**
GÜNER E., ÇETKİN V., AYGÜN H.
International Marmara Science and Social Sciences Congress, 23 - 25 November 2018
- XV. **On the Construction of Fuzzy Topology induced by a Fuzzy Metric**
Aydoğdu E., Aygünoglu A., Aygün H.
The Mediterranean International Conference of PureApplied Mathematics and Related Areas, Antalya, Turkey, 26 - 29 October 2018, pp.167-170
- XVI. **On intuitionistic fuzzy 2-metric spaces**
GÜNER E., ÇETKİN V., AYGÜN H.
3rd International Conference on ComputationalMathematics and Engineering Sciences, 4 - 06 May 2018
- XVII. **On Fuzzy Metric Space Of Continuous Function**
AYDOĞDU E., AYGÜNOĞLU A., AYGÜN H.
International Conference on Recent Advances in Pure and Applied Mathematics, Trabzon, Turkey, 23 - 27 July 2018
- XVIII. **More on Ordinary Smooth Topological Spaces**
PAZAR VAROL B., AYGÜN H.
2018 International Conference on Topology and its Applications, 7 - 11 July 2018
- XIX. **Intuitionistic Fuzzy 2-Metric Spaces: Fixed Point Theorems**
ÇETKİN V., GÜNER E., AYGÜN H.
2018 International Conference on Topology and Its Applications, Nafpaktos, Greece, 7 - 11 July 2018
- XX. **2-Metric Spaces in the Soft Universe**
GÜNER E., ÇETKİN V., AYGÜN H.
2018 International Conference on Topology and Its Applications, Nafpaktos, Greece, 7 - 11 July 2018
- XXI. **Fuzzy Topology Generated by Fuzzy Metric**
AYDOĞDU E., AYGÜNOĞLU A., AYGÜN H.
2018 International Conference On Topology and its Applications, NAFPAKTOS, Greece, 7 - 11 June 2018
- XXII. **ON FUZZY 2-METRIC SPACES**
ÇETKİN V., GÜNER E., AYGÜN H.
3rd International Conference on ComputationalMathematics and Engineering Sciences, 4 - 06 May 2018
- XXIII. **Some Properties of Fuzzy Soft Metric Spaces**
AYDOĞDU E., AYGÜNOĞLU A., AYGÜN H.
International Conference on Mathematics and Related Sciences, Antalya, Turkey, 30 April - 04 May 2018, pp.132-133
- XXIV. **Convergence in Fuzzy Soft Metric Space**
AYDOĞDU E., AYGÜNOĞLU A., AYGÜN H.
International Conference on Mathematics and Related Sciences, Antalya, Turkey, 30 April - 04 May 2018
- XXV. **A View on Intuitionistic Fuzzy Soft Near Rings**
PAZAR VAROL B., AYGÜN H.
International Conference on Mathematics and Mathematics Education, 27 June - 29 March 2018
- XXVI. **Fuzzifying topology induced by fuzzy metric**
AYDOĞDU E., AYGÜNOĞLU A., AYGÜN H.
5th International Fuzzy Systems Symposium, Ankara, Turkey, 14 - 15 October 2017
- XXVII. **Soft Metric Spaces**
AYDOĞDU E., AYGÜNOĞLU A., AYGÜN H.
“6th International Eurasian Conference on Mathematical Sciences and Applications, Budapest, Hungary, 15 - 18 August 2017
- XXVIII. **On Neutrosophic Linear Spaces**
PAZAR VAROL B., ÇETKİN V., AYGÜN H.

- 13th Algebraic Hyperstructures and its Applications Conference, 24 - 27 July 2017
- XXIX. **Soft fixed point theorems in terms of soft altering distance function**
GÜNER E., ÇETKİN V., AYGÜN H.
International Conference on Applied Analysis and Mathematical Modeling, 3 - 07 July 2017
- XXX. **A note on neutrosophic field**
PAZAR VAROL B., ÇETKİN V., AYGÜN H.
International Conference on Mathematics and Engineering, 10 - 12 May 2017
- XXXI. **Some results on neutrosophic matrix**
PAZAR VAROL B., ÇETKİN V., AYGÜN H.
International Conference on Mathematics and Engineering, 10 - 12 May 2017
- XXXII. **Fuzzy Soft Metric And Fuzzifying Soft Topology Induced By Fuzzy Soft Metric**
AYDOĞDU E., AYGÜNOĞLU A., AYGÜN H.
International Conference on Recent Advances in Pure and Applied Mathematics, Aydin, Turkey, 11 - 15 May 2017
- XXXIII. **On some fixed point theorems in soft metric spaces**
ÇETKİN V., GÜNER E., AYGÜN H.
International Conference on Mathematics and Engineering, 10 - 12 May 2017
- XXXIV. **On fuzzy soft (pre)proximity structure**
ÇETKİN V., AYGÜN H.
International Conference on Mathematics and Engineering, 10 - 12 May 2017
- XXXV. **On Convergence and Continuity in Fuzzy Metric Spaces**
AYDOĞDU E., AYGÜNOĞLU A., AYGÜN H.
International Conference on Mathematics and Engineering, İstanbul, Turkey, 10 - 12 May 2017
- XXXVI. **Soft Metric Spaces and Fixed Point Theorems on Soft Metric Spaces**
AYDOĞDU E., AYGÜNOĞLU A., AYGÜN H.
International Conference on Mathematics and Engineering, İstanbul, Turkey, 10 - 12 May 2017
- XXXVII. **Multi-vague sets and its some properties**
ARI A. A., AYGÜN H.
International Conference on Mathematics and Engineering, 10 - 12 May 2017
- XXXVIII. **Multi-Vague Sets application in Multi-Criteria Decision Making Problems**
ARI A. A., AYGÜN H.
International Conference on Mathematics and Engineering, 10 - 12 May 2017
- XXXIX. **Connectedness in Fuzzy Soft Topological Spaces**
ÇETKİN V., AYGÜN H.
4th International Intuitionistic Fuzzy Sets and Contemporary Mathenatics, 3 - 07 May 2017
- XL. **Intuitionistic Fuzzy Soft Neighborhoods**
PAZAR VAROL B., AYGÜNOĞLU A., AYGÜN H.
3rd International Intuitionistic Fuzzy Sets and Contemporary Mathematics Conference, Mersin, Turkey, 29 August 2016, pp.38
- XLI. **A Note on Neutrosophic Subring of a Ring**
ÇETKİN V., AYGÜN H.
5th International Eurasian Conference on Mathematical Sciences and Applications, Belgrade, Serbia And Montenegro, 16 - 19 August 2016
- XLII. **Some Separation Axioms in Fuzzy Soft Topological Spaces**
ÇETKİN V., AYGÜN H.
3rd International Intuitionistic Fuzzy Sets and Contemporary Mathematics Conference, 29 August - 01 September 2016
- XLIII. **On Lowen type fuzzy soft topological spaces**
AYGÜNOĞLU A., DİYARBAKIRLI E., AYGÜN H.
The 4th International Fuzzy Systems Symposium, 5 - 06 November 2015
- XLIV. **Fuzzy Type-2 Soft Sets**
PAZAR VAROL B., AYGÜN H.

- 4th International Fuzzy Systems Symposium (FUZZYSS' 15), İstanbul, Turkey, 05 November 2015, pp.290-296
- XLV. **Lowen Functors in Fuzzy Soft Topological Spaces**
ÇETKİN V., AYGÜN H.
The 4th International Fuzzy Systems Symposium, 5 - 06 November 2015
- XLVI. **A Note on Intuitionistic Supra Fuzzy Soft Topological Spaces**
ÇETKİN V., AYGÜN H.
2nd International Intuitionistic Fuzzy Sets Conference, 14 - 18 October 2015
- XLVII. **Bulanık Esnek Topolojik Uzaylarda Ayırma Aksiyomları**
PAZAR VAROL B., AYGÜN H.
27. Ulusal Matematik Sempozyumu, Turkey, 26 August 2014 - 29 August 2015
- XLVIII. **On some properties of fuzzy soft pre uniformity structure**
ÇETKİN V., AYGÜN H.
2nd International Conference on Recent Advances in Pure and Applied Mathematics, 3 - 06 June 2015
- XLIX. **Soft Dönüşümlerde Sabit Nokta**
AYDOĞDU E., AYGÜNOĞLU A., AYGÜN H.
27. Ulusal Matematik Sempozyumu, Turkey, 26 - 29 August 2014
- L. **SOFT DÖNÜŞÜMLERDE SABİT NOKTA**
DİYARBAKIRLI E., AYGÜNOĞLU A., AYGÜN H.
27.Uluslararası Matematik Sempozyumu, Turkey, 26 - 29 August 2014
- LI. **On Convergence of Fuzzy Soft Filters**
ÇETKİN V., AYGÜN H.
3rd International Eurasian Conference on Mathematical Sciences and Applications, Viyana, Austria, 25 - 28 August 2014
- LII. **Some results on double fuzzy topogenous orders**
ÇETKİN V., AYGÜN H.
International Congress in Honour of Professor Ravi P. Agarwal, 23 - 26 June 2014
- LIII. **On some categories of proximity and strong inclusion spaces in the context of fuzzy sets**
ÇETKİN V., SOSTAK A., AYGÜN H.
The 3rd International Fuzzy Systems Symposium, (FUZZYSS'13), 24 - 25 October 2013
- LIV. **A Note on Fuzzy Soft Topological Spaces**
ÇETKİN V., AYGÜN H.
The 8th Congerence of the European Society for Fuzzy Logic and Technology, EUSFLAT 2013, Milan, Italy, 11 - 13 September 2013, vol.2013, pp.56-60
- LV. **Separation axioms on soft topological spaces**
PAZAR VAROL B., AYGÜN H.
1st International Eurasian Conference on Mathematics Sciences and Applications, 3 - 07 September 2012
- LVI. **Extension of Shi's Quasi Uniformity to the Fuzzy Soft Sets**
ÇETKİN V., AYGÜN H.
1st International Eurasian Conference on Mathematical Sciences and Applications, Priştine, Kosova, 3 - 07 September 2012
- LVII. **An Introduction to Fuzzy Soft Topology**
PAZAR VAROL B., AYGÜN H.
The Second International Fuzzy Systems Symposium, Ankara, Turkey, 17 November 2011, pp.98-103
- LVIII. **Meslek Yüksekokulu Eğitiminde Yaşanan Sorunların Bir Sonucu: Motivasyon Eksikliği**
Aygün H., Çelikkol E. S., Yılmaz Genç S., Şeneldir O.
2. Uluslararası Meslek Yüksekokulları Sempozyumu (UMYOS 2011), Aydin, Turkey, 25 - 27 May 2011
- LIX. **Esnek Topolojik Uzaylara Giriş**
PAZAR VAROL B., AYGÜN H.
6. Ankara Matematik Günleri, Turkey, 2 - 03 June 2011
- LX. **Categories Related to Topology Viewed as Soft Sets**
PAZAR VAROL B., Shostak A., AYGÜN H.

- 7th Biannual Conference of the European-Society-for-Fuzzy-Logic-and-Technology (EUSFLAT)/17th Annual LFA Meeting, Aix-les-Bains, France, 18 - 22 July 2011, pp.883-890
- LXI. **An Introduction to Multi Fuzzy Groups**
 ÇETKİN V., AYGÜN H.
 International Conference on Mathematical Sciences, 23 - 27 November 2010
- LXII. **Lattice Valued Double Fuzzy Preproximity Spaces**
 ÇETKİN V., AYGÜN H.
 2010 International Conference on Topology and Its Applications, Nafpaktos, Greece, 26 - 30 June 2010
- LXIII. **On intuitionistic fuzzy metric groups**
 PAZAR VAROL B., AYGÜN H.
 The First International Symposium on Computing in Science & Engineering, 3 - 05 June 2010
- LXIV. **Aralık Değerli Sezgisel Bulanık Küme Üzerinde Topoloji**
 AYGÜNOĞLU A., AYGÜN H., PAZAR VAROL B.
 II. Türk Dünyası Matematik Sempozyumu, Sakarya, Turkey, 04 July 2007 - 07 October 2009
- LXV. **On embedding problem of fuzzy number valued continuous functions**
 ÇETKİN V., AYGÜNOĞLU A., AYGÜN H.
 1st International Fuzzy Systems Symposium, FUZZYS'xx09, 1 - 02 October 2009
- LXVI. **On interval valued neutrosophic subgroups**
 PAZAR B., AYGÜN H.
 ICTA2009 International Conference on Topology and its Applications, 9 - 11 July 2009
- LXVII. **On compactness in L fuzzy bitopological spaces**
 ÇETKİN V., AYGÜN H.
 International Conference on Topology and its Applications, 6 - 11 July 2009
- LXVIII. **L M Sezgisel Fuzzy İdealler**
 ÇETKİN V., PAZAR B., AYGÜN H.
 Türk Matematik Derneği XXI. Ulusal Matematik Sempozyumu, Turkey, 1 - 04 September 2008
- LXIX. **Interval valued L fuzzy Topological Groups**
 PAZAR B., ÇETKİN V., AYGÜNOĞLU A., AYGÜN H.
 The 20th International Congress of Jangjeon Mathematical Society, 21 - 23 August 2008
- LXX. **L M intuitionistic Fuzzy Filters**
 ÇETKİN V., PAZAR B., AYGÜN H.
 The 20th International Congress of Jangjeon Mathematical Society, 21 - 23 August 2008
- LXXI. **Üretilmiş Sezgisel Fuzzy Topolojik Uzaylar**
 PAZAR B., AYGÜN H.
 II. Türk Dünyası Matematik Sempozyumu, 4 - 07 July 2007
- LXXII. **About weakly locally compact spaces**
 Breuckmann T., Kudri S., Aygun H.
 2nd International Conference on Soft Methods in Probability and Statistics (SMPS 2004), Oviedo, Spain, 02 September 2004 - 04 September 2007, pp.638-644
- LXXIII. **SOFT NEIGHBORHOOD SETS**
 PAZAR VAROL B., SHOSTAK , AYGÜN H.
 16th International Conference on Mathematical Modeling and Analysis, Latvia, pp.94

Supported Projects

AYGÜN H., Project Supported by Higher Education Institutions, Bulanık Topolojik Gruplar (Banu PAZAR VAROL Tez Projesi), 2010 - 2012

Metrics

Publication: 157

Citation (WoS): 695

Citation (Scopus): 813

H-Index (WoS): 11

H-Index (Scopus): 12

Non Academic Experience

KOCAELİ ÜNİVERSİTESİ

KOCAELİ ÜNİVERSİTESİ

KARADENİZ TEKNİK ÜNİVERSİTESİ