

## Prof. Dr. HALİS AYGÜN

### Kişisel Bilgiler

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### Eğitim Bilgileri

Doktora, City University, London, Matematik, İngiltere 1994 - 1997

Yüksek Lisans, Karadeniz Teknik Üniversitesi, Fen-Edebiyat Fakültesi, Matematik Bölümü, Türkiye 1989 - 1992

Lisans, Karadeniz Teknik Üniversitesi, Fen-Edebiyat Fakültesi, Matematik Bölümü, Türkiye 1985 - 1989

### Yabancı Diller

İngilizce, B2 Orta Üstü

### Araştırma Alanları

Matematik, Fonksiyonel Analiz, Genel Topoloji, Matematiğin Temelleri ve Matematiksel Mantık, Temel Bilimler

### Akademik Unvanlar / Görevler

Prof. Dr., Kocaeli Üniversitesi, Fen Edebiyat Fakültesi, Matematik, 2006 - Devam Ediyor

Doç. Dr., Kocaeli Üniversitesi, Fen Edebiyat Fakültesi, Matematik, 2000 - 2006

Yrd. Doç. Dr., Kocaeli Üniversitesi, Fen Edebiyat Fakültesi, Matematik, 1998 - 2000

Araştırma Görevlisi, Kocaeli Üniversitesi, Fen Edebiyat Fakültesi, Matematik, 1993 - 1998

Araştırma Görevlisi, Karadeniz Teknik Üniversitesi, Fen-Edebiyat Fakültesi, Matematik Bölümü, 1989 - 1993

### Akademik İdari Deneyim

Anabilim/Bilim Dalı Başkanı, Kocaeli Üniversitesi, Fen Edebiyat Fakültesi, Matematik, 2023 - Devam Ediyor

ÖSYM Başkanı, Ölçme, Seçme ve Yerleştirme Merkezi, 2018 - 2022

Dekan, Kocaeli Üniversitesi, Fen Edebiyat Fakültesi, Matematik, 2011 - 2018

Senato Üyesi, Kocaeli Üniversitesi, Fen Edebiyat Fakültesi, Matematik, 2009 - 2018

Bölüm Başkanı, Kocaeli Üniversitesi, Fen Edebiyat Fakültesi, Matematik, 2006 - 2018

Anabilim/Bilim Dalı Başkanı, Kocaeli Üniversitesi, Fen Edebiyat Fakültesi, Matematik, 2001 - 2018  
Kocaeli Üniversitesi, Hereke Ömer İsmet Uzunyol Meslek Yüksekokulu, 2009 - 2011  
Uygulama ve Araştırma Merkezi Müdürü, Kocaeli Üniversitesi, 2006 - 2009  
Kocaeli Üniversitesi, Fen-Edebiyat Fakültesi, 2005 - 2006  
Bölüm Başkan Yardımcısı, Kocaeli Üniversitesi, Fen Edebiyat Fakültesi, Matematik, 2000 - 2005

## Verdiği Dersler

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

Aygün H., Bulanık kısmi metrik yapıların kategorik olarak incelenmesi ve uygulamaları, Doktora, E.GÜNER(Öğrenci), 2023  
Aygün H., Kısmi bulanık metrik uzaylar ve sabit nokta teoremleri, Yüksek Lisans, B.ALDEMİR(Öğrenci), 2021  
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Aygün H., Devirli grupların serbest çarpımlarının tek bağıntılı bölüm grupları, Doktora, Y.TÜRKER(Öğrenci), 2002

## SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayımlanan Makaleler

- Information Measures on Linear Diophantine Fuzzy Soft Sets with Their Applications to the Medical Diagnosis**  
Aldemir B., Aydoğdu E., Güner E., Aygün H.  
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- II. **Complex spherical fuzzy TOPSIS based on entropy**  
AYDOĞDU E., GÜNER E., Aldemir B., AYGÜN H.  
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- III. **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, cilt.0, sa.0, ss.1-33, 2023 (SCI-Expanded)
- IV. **Fuzzy Partial Metric Spaces and Fixed Point Theorems**  
AYGÜN H., GÜNER E., Minana J., Valero O.  
MATHEMATICS, cilt.10, sa.17, 2022 (SCI-Expanded)
- V. **Spherical fuzzy soft sets: Theory and aggregation operator with its applications**  
GÜNER E., AYGÜN H.  
IRANIAN JOURNAL OF FUZZY SYSTEMS, cilt.19, sa.2, ss.83-97, 2022 (SCI-Expanded)
- VI. **A new approach to fuzzy partial metric spaces**  
GÜNER E., AYGÜN H.  
Hacettepe Journal of Mathematics and Statistics, cilt.51, sa.6, ss.1563-1576, 2022 (SCI-Expanded)
- VII. **A fixed point principle in ordered metric spaces and applications to rational type contractions**  
Eroğlu I., GÜNER E., AYGÜN H., Valero O.  
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- VIII. **On 2S-metric spaces**  
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- IX. **Construction of Fuzzy Topology by Using Fuzzy Metric**  
AYGÜNOĞLU A., AYDOĞDU E., AYGÜN H.  
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- X. **Fuzzy Soft Metric and Fuzzifying Soft Topology Induced by Fuzzy Soft Metric**  
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- XI. **A topological view on L-fuzzy soft sets: Connectedness degree**  
ÇETKİN V., AYGÜN H.  
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- XII. **On neutrosophic submodules of a module**  
Çetkin V., Varol B. P., Aygun H.  
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- XIII. **A topological view on application of L-fuzzy soft sets: Compactness**  
ÇETKİN V., AYGÜNOĞLU A., AYGÜN H.  
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- XIV. **On L-soft merotopies**  
ÇETKİN V., AYGÜN H.  
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- XV. **On Soft Fuzzy Closure and Interior Operators**  
ÇETKİN V., AYGÜNOĞLU A., AYGÜN H.  
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- XVI. **CATS of soft topological spaces**  
ÇETKİN V., AYGÜNOĞLU A., AYGÜN H.  
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- XVII. **A new approach in handling soft decision making problems**  
ÇETKİN V., AYGÜNOĞLU A., AYGÜN H.  
JOURNAL OF NONLINEAR SCIENCES AND APPLICATIONS, cilt.9, sa.1, ss.231-239, 2016 (SCI-Expanded)
- XVIII. **On Convergence of Soft Nets**  
ÇETKİN V., AYGÜN H.

- JOURNAL OF MULTIPLE-VALUED LOGIC AND SOFT COMPUTING, cilt.26, ss.175-187, 2016 (SCI-Expanded)
- XIX. **Soft sets over power sets: Generalities and applications to topology**  
Varol B. P., AYGÜN H.  
JOURNAL OF INTELLIGENT & FUZZY SYSTEMS, cilt.29, sa.1, ss.389-395, 2015 (SCI-Expanded)
- XX. **An approach to neutrosophic subgroup and its fundamental properties**  
ÇETKİN V., AYGÜN H.  
JOURNAL OF INTELLIGENT & FUZZY SYSTEMS, cilt.29, sa.5, ss.1941-1947, 2015 (SCI-Expanded)
- XXI. **An introduction to fuzzy soft topological spaces**  
AYGÜNOĞLU A., ÇETKİN V., AYGÜN H.  
Hacettepe Journal Of Mathematics And Statistics, cilt.43, ss.197-208, 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)
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ÇETKİN V., AYGÜN H.  
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Varol B. P., AYGÜNOĞLU A., AYGÜN H.  
JOURNAL OF INTELLIGENT & FUZZY SYSTEMS, cilt.27, sa.4, ss.2127-2135, 2014 (SCI-Expanded)
- XXV. **On embedding problem of fuzzy number valued continuous functions**  
AYGÜNOĞLU A., ÇETKİN V., AYGÜN H.  
JOURNAL OF INTELLIGENT & FUZZY SYSTEMS, cilt.25, sa.1, ss.243-246, 2013 (SCI-Expanded)
- XXVI. **On double fuzzy preuniformity**  
ÇETKİN V., AYGÜN H.  
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- XXVII. **Fuzzy soft topology**  
Varol B., AYGÜN H.  
Hacettepe Journal of Mathematics and Statistics, cilt.41, sa.3, ss.407-419, 2012 (SCI-Expanded)
- XXVIII. **ON (L, M)-FUZZY CLOSURE SPACES**  
AYGÜN H., ÇETKİN V., ABBAS S. E.  
IRANIAN JOURNAL OF FUZZY SYSTEMS, cilt.9, sa.5, ss.41-62, 2012 (SCI-Expanded)
- XXIX. **Interval valued intuitionistic fuzzy subgroups based on interval valued double t norm**  
AYGÜNOĞLU A., PAZAR VAROL B., ÇETKİN V., AYGÜN H.  
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- XXX. **A new approach to soft topology**  
Varol B., SHOSTAK A., AYGÜN H.  
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- XXXI. **Intuitionistic Fuzzy Metric Groups**  
PAZAR VAROL B., AYGÜN H.  
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- XXXII. **Some notes on soft topological spaces**  
AYGÜNOĞLU A., AYGÜN H.  
NEURAL COMPUTING & APPLICATIONS, cilt.21, 2012 (SCI-Expanded)
- XXXIII. **(r, s)-CONVERGENT NETS**  
Aygün H., Abbas S. E.  
HACETTEPE JOURNAL OF MATHEMATICS AND STATISTICS, cilt.41, sa.2, ss.175-190, 2012 (SCI-Expanded)
- XXXIV. **On (L, M)-Double Fuzzy Ideals**  
ÇETKİN V., AYGÜN H.  
INTERNATIONAL JOURNAL OF FUZZY SYSTEMS, cilt.14, sa.1, ss.166-174, 2012 (SCI-Expanded)
- XXXV. **(r,s)-convergent nets**  
Aygün H., Abbas S.

- HACETTEPE JOURNAL OF MATHEMATICS AND STATISTICS, cilt.41, sa.2, ss.175-190, 2012 (SCI-Expanded)
- XXXVI. **Lattice valued double fuzzy preproximity spaces**  
ÇETKİN V., AYGÜN H.  
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- XXXVII. **Introduction to fuzzy soft groups**  
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COMPUTERS & MATHEMATICS WITH APPLICATIONS, cilt.58, sa.6, ss.1279-1286, 2009 (SCI-Expanded)
- XXXVIII. **SOME GOOD EXTENSIONS OF COMPACTNESS IN SOSTAK'S L-FUZZY TOPOLOGY**  
AYGÜN H., Abbas S. E.  
HACETTEPE JOURNAL OF MATHEMATICS AND STATISTICS, cilt.36, sa.2, ss.115-125, 2007 (SCI-Expanded)
- XXXIX. **Intuitionistic fuzzy semiregularization spaces**  
Abbas S., Aygun H.  
INFORMATION SCIENCES, cilt.176, sa.6, ss.745-757, 2006 (SCI-Expanded)
- XL. **On characterizations of some covering properties in L-fuzzy topological spaces in Sostak's sense**  
Aygun H., Abbas S.  
INFORMATION SCIENCES, cilt.165, sa.3-4, ss.221-233, 2004 (SCI-Expanded)
- XLI. **alpha-Compactness in L-fuzzy topological spaces**  
Aygun H.  
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- XLII. **Relative compactness in L-fuzzy topological spaces**  
Aygun H., Kudri S., Warner M.  
FUZZY SETS AND SYSTEMS, cilt.116, sa.3, ss.311-316, 2000 (SCI-Expanded)
- XLIII. **P-closedness in L-fuzzy topological spaces**  
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FUZZY SETS AND SYSTEMS, cilt.109, sa.2, ss.277-283, 2000 (SCI-Expanded)
- XLIV. **Completely induced L-fuzzy topological spaces**  
Aygun H., Warner M., Kudri S.  
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## **Diğer Dergilerde Yayınlanan Makaleler**

- I. **Aggregation of Fuzzy Metric Spaces: A Fixed Point Theorem**  
GÜNER E., AYGÜN H.  
WSEAS TRANSACTIONS ON MATHEMATICS, cilt.23, 2024 (Scopus)
- II. **A comparative study on the generalized spherical fuzzy Einstein aggregation operators**  
Güner E., Aygün H.  
GAZI UNIVERSITY JOURNAL OF SCIENCE, cilt.37, sa.1, ss.393-413, 2024 (ESCI)
- III. **Linear Diophantine Fuzzy Sets: Image Edge Detection Techniques based on Similarity Measures**  
ALDEMİR B., GÜNER E., AYGÜN H.  
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- IV. **On Partial Fuzzy Metric-Preserving Functions**  
GÜNER E., AYGÜN H.  
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- 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, cilt.13, sa.2, ss.480-490, 2023 (ESCI)
- VI. **An algebraic perspective on neutrosophic sets: fields and linear spaces**  
Çetkin V., Pazar Varol B., Aygün H.  
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- VII. **On  $b_2$ -Metric Spaces**  
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- VIII. **Some Fixed Point Theorems in Partial Fuzzy Metric Spaces**  
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- IX. **The Space of Continuous Function Between Fuzzy Metric Spaces**  
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- X. **Some Fixed Point Theorems in Partial Fuzzy Metric Spaces**  
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 Iğdır Üniversitesi Fen Bilimleri Enstitüsü Dergisi, cilt.10, ss.2889-2900, 2020 (Hakemli Dergi)
- XI. **Intuitionistic Fuzzy Soft Near Rings Induced by (T,S)-norms**  
 Pazar Varol B., Aygün H.  
 Communications in Mathematics and Applications, cilt.11, sa.3, ss.499-512, 2020 (ESCI)
- XII. **A New View on Neutrosophic Matrix**  
 Pazar Varol B., Çetkin V., Aygün H.  
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- XIII. **NEAR RINGS IN THE VIEW OF DOUBLE-FRAMED SOFT FUZZY SETS**  
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- XIV. **An Approach to Neutrosophic Subrings**  
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- XV. **Some notes on soft hyperconnected spaces**  
 Al Saadi H. S., AYGÜN H., Al Omari A.  
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- XVI. **FIXED POINTS OF MULTIVALUED NONEXPANSIVE MAPPINGS IN KOHLENBACH HYPERBOLIC SPACE**  
 GÜNDÜZ B., AYDOĞDU E., AYGÜN H.  
 Journal of Computational Analysis and Applications, cilt.26, ss.509-519, 2019 (Scopus)
- XVII. **FIXED POINT RESULTS FOR (A)over-tilde-CONTRACTIONS IN SOFT METRIC SPACES**  
 GÜNER E., ÇETKİN V., AYGÜN H.  
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- XIX. **An approach to neutrosophic ideals**  
 ÇETKİN V., AYGÜN H.  
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- XX. **On (L, M)-Double Fuzzy Filter Spaces**  
 Abd El-Latif A. A., AYGÜN H., ÇETKİN V.  
 ADVANCES IN FUZZY SYSTEMS, cilt.2018, 2018 (ESCI)
- XXI. **SOFT FIXED POINT THEOREMS IN TERMS OF SOFT ALTERING DISTANCE FUNCTION**  
 GÜNER E., ÇETKİN V., AYGÜN H.  
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- XXII. **Hutton Uniformity in the Context of Fuzzy Soft Sets**  
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- XXIII. **A note on intuitionistic supra fuzzy soft topological spaces**  
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- XXIV. **Lattice valued fuzzy soft grills**  
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- XXV. **Fuzzy Soft Semiregularization Spaces**  
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- XXVI. **On vague soft groups**  
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- XXVII. **Uniformity structure in the context of soft set**  
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- XXVIII. **Extension of Shi s Quasi Uniformity to the Fuzzy Soft Sets**  
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 Mathematical Sciences and Application E-Notes, cilt.1, ss.42-50, 2013 (Hakemli Dergi)
- XXIX. **On soft Hausdorff spaces**  
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 Annals of Fuzzy Mathematics and Informatics, cilt.5, ss.15-24, 2013 (Hakemli Dergi)
- XXX. **On Fuzzy Soft Rings**  
 PAZAR VAROL B., AYGÜNOĞLU A., AYGÜN H.  
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- XXXI. **On Stratified L filter Structure**  
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- XXXII. **Categories Related to Topology Viewed as Soft Sets**  
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- XXXIII. **On Compactness in L fuzzy Bitopological Spaces**  
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- XXXIV. **On L M Fuzzy Interior Spaces**  
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- I. An application of linear Diophantine fuzzy sets to the edge detection techniques**  
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- 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), İspanya, 12 - 14 Temmuz 2023
- III. Generalized spherical fuzzy topological spaces with their applications to the multi-criteria decision-making problems**  
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- X. FIXED POINT THEOREMS ON PARTIAL FUZZY METRIC SPACES**  
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- XI. Some Properties of Partial Fuzzy Metric Topology**  
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- XII. **On 2-Fuzzy Metric Spaces**  
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- XIII. **Güçlü b2-Metrik Uzaylar**  
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- XIV. **2-metrik Uzaylarda Meir-Keeler Tipindeki Daralma Dönüşümleri**  
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- XV. **On the Construction of Fuzzy Topology induced by a Fuzzy Metric**  
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- XVI. **On intuitionistic fuzzy 2-metric spaces**  
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- XVII. **On Fuzzy Metric Space Of Continuous Function**  
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- XVIII. **More on Ordinary Smooth Topological Spaces**  
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- XIX. **Intuitionistic Fuzzy 2-Metric Spaces: Fixed Point Theorems**  
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- XX. **2-Metric Spaces in the Soft Universe**  
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**XXXI. Some results on neutrosophic matrix**

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**XXXII. Fuzzy Soft Metric And Fuzzifying Soft Topology Induced By Fuzzy Soft Metric**

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- LXI. **An Introduction to Multi Fuzzy Groups**  
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- LXIII. **On intuitionistic fuzzy metric groups**  
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II. Türk Dünyası Matematik Sempozyumu, Sakarya, Türkiye, 04 Temmuz 2007 - 07 Ekim 2009
- LXV. **On embedding problem of fuzzy number valued continuous functions**  
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- LXVI. **On interval valued neutrosophic subgroups**  
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- LXVII. **On compactness in L fuzzy bitopological spaces**  
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- LXX. **L M intuitionistic Fuzzy Filters**  
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- LXXII. **About weakly locally compact spaces**  
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## Desteklenen Projeler

AYGÜN H., Yükseköğretim Kurumları Destekli Proje, Bulanık Topolojik Gruplar (Banu PAZAR VAROL Tez Projesi), 2010 -

2012

## **Metrikler**

Yayın: 158

Atıf (WoS): 774

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H-İndeks (Scopus): 12

## **Akademi Dışı Deneyim**

KOCAELİ ÜNİVERSİTESİ

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