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Personal Information

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International Researcher IDs

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Education Information

Doctorate, Yildiz Technical University, Graduate School Of Natural And Applied Sciences, Matematik, Turkey 1999 - 2002

Postgraduate, Yildiz Technical University, Graduate School Of Natural And Applied Sciences, Matematik, Turkey 1998 - 1999

Undergraduate, Middle East Technical University, Faculty Of Education, Matematik, Turkey 1991 - 1996

Research Areas

Mathematics, Commutative Rings and Algebras, Group Theory and Generalizations, Natural Sciences

Academic Titles / Tasks

Professor, Yildiz Technical University, Faculty Of Arts & Science, Department Of Mathemeatics, 2017 - Continues

Associate Professor, Yildiz Technical University, Faculty Of Arts & Science, Department Of Mathemeatics, 2012 - 2017

Assistant Professor, Yildiz Technical University, Faculty Of Arts & Science, Department Of Mathemeatics, 2004 - 2012

Research Assistant, Yildiz Technical University, Faculty Of Arts & Science, Department Of Mathemeatics, 1998 - 2004

Academic and Administrative Experience

Head of Department, Yildiz Technical University, Faculty Of Arts & Science, Department Of Mathemeatics, 2020 - Continues

Head of Department, Yildiz Technical University, Faculty Of Arts & Science, Department Of Mathemeatics, 2017 - Continues

Rector's Advisor, Yildiz Technical University, 2017 - 2020

Secretary General, Yildiz Technical University, Rectorate, 2017 - 2020

Yıldız Teknik Üniversitesi, Personel , 2016 - 2017

Yıldız Teknik Üniversitesi, Avrupa Birliği Ofisi, 2011 - 2017

Yıldız Teknik Üniversitesi, Fen Bilimleri, 2015 - 2016

Yıldız Teknik Üniversitesi, Fen Edebiyat Fakültesi, 2014 - 2016

Advising Theses

- ERSOY B. A., Bazı Özel Devirli Kodlar Ailesi ve DNA Uygulamaları, Doctorate, E.Segah(Student), 2017
- ERSOY B. A., Ortaokul Müdürlüklerinin Toplumsal Yeterliklerinin belirlenmesi, Postgraduate, M.hasanoğulları(Student), 2016
- ERSOY B. A., NTRU kriptosistemi, Postgraduate, S.Tekin(Student), 2016
- ERSOY B. A., Bulanık Esnek Gamma Halkaları, Postgraduate, S.ONAR(Student), 2016
- ERSOY B. A., İdealistik Esnek Gamma Halkalarında Bulanık izomorfizma Teoremleri, Postgraduate, E.Aktaş(Student), 2016
- ERSOY B. A., İlkokul Müdürlerinin İnsan Kaynaklarını Yönetme Yeterliklerinin Belirlenmesi, Postgraduate, Y.Sözeri(Student), 2016
- ERSOY B. A., Genelleştirilmiş Bulanık esnek Kümenin Sınıf Uygulaması, Postgraduate, A.Kesik(Student), 2016
- ERSOY B. A., Manipulatifler kullanılarak Yapılan Öğretimin 11. Sınıf Öğrencilerinin Matematik Başarısına Etkisi, Postgraduate, N.Bayındır(Student), 2016
- ERSOY B. A., Bulanık Gamma Halkalarının Karakteristiği, Postgraduate, S.Yavuz(Student), 2016
- ERSOY B. A., Sezgisel Bulanık Esnek Gamma halkaları, Postgraduate, Z.Yılmaz(Student), 2016
- ERSOY B. A., Belirsiz esnek Gamma Halkaları ve İdealistik Belirsiz esnek Gamma Halkalar, Postgraduate, M.bolat(Student), 2016
- ERSOY B. A., Bulanık gruplar ve bulanık halkalar, Postgraduate, T.İncekalan(Student), 2016
- ERSOY B. A., Belirleme kodları ve küme kaplama problemi, Postgraduate, F.Kuruz(Student), 2016
- ERSOY B. A., Bulanık Hipermoduller, Postgraduate, O.Faruk(Student), 2016
- ERSOY B. A., Bulanık Altmoduller, Postgraduate, F.Çeliker(Student), 2016
- ERSOY B. A., Gamma Modullerinin Bulanık Alt modulleri, Doctorate, F.ÇELİKLER(Student), 2016

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **On S-2-Prime Ideals of Commutative Rings**
Yavuz S., ERSOY B. A., TEKİR Ü., Yetkin Çelikel E.
Mathematics, vol.12, no.11, 2024 (SCI-Expanded)
- II. **Generalization of ρ -ideals associated with an m-system and a special radical class**
ÇAY H., Abouhalaka A., ERSOY B. A.
Ricerche di Matematica, 2024 (SCI-Expanded)
- III. **S-VERSIONS AND S-GENERALIZATIONS OF IDEMPOTENTS, PURE IDEALS AND STONE TYPE THEOREMS**
ERSOY B. A., TEKİR Ü., YILDIZ E.
Bulletin of the Korean Mathematical Society, vol.61, no.1, pp.83-92, 2024 (SCI-Expanded)
- IV. **Intuitionistic Complex Fuzzy Hv-subgroups**
Yavuz S., Onar S., Ersoy B. A., Davvaz B., Hila K.
JOURNAL OF MULTIPLE-VALUED LOGIC AND SOFT COMPUTING, vol.41, no.1-2, pp.141-167, 2023 (SCI-Expanded)
- V. **δ -r-hyperideals and φ - δ -r-hyperideals of commutative Krasner hyperrings**
Xu P., Bolat M., Onar S., Kaya E., Ersoy B. A., Hila K.
PROCEEDINGS OF THE ESTONIAN ACADEMY OF SCIENCES, vol.72, no.1, pp.96-103, 2023 (SCI-Expanded)
- VI. **Amalgamated algebras along an ideal defined by 1-absorbing-like conditions**
El Khalfi A., Kolotoğlu T., Mahdou N., Tekir Ü., Ersoy B. A.
JOURNAL OF ALGEBRA AND ITS APPLICATIONS, vol.22, no.1, pp.1-10, 2023 (SCI-Expanded)
- VII. **S-Zariski Topology on S-Spectrum of Modules**
Yıldız E., Ersoy B. A., Tekir Ü.
FILOMAT, vol.36, no.20, pp.7103-7112, 2022 (SCI-Expanded)
- VIII. **Φ - δ -Primary Hyperideals in Krasner Hyperrings**
Guan H., Kaya E., Bolat M., Onar S., Ersoy B. A., Hila K.
MATHEMATICAL PROBLEMS IN ENGINEERING, vol.2022, pp.1-12, 2022 (SCI-Expanded)
- IX. **r -Hyperideals and Generalizations of r -Hyperideals in Krasner Hyperrings**

Xu P., Bolat M., Kaya E., Onar S., Ersoy B. A., Hila K.

MATHEMATICAL PROBLEMS IN ENGINEERING, vol.2022, pp.1-10, 2022 (SCI-Expanded)

- X. **On ϕ - δ -Primary Submodules**
Ersoy B. A., Tekir Ü., Kaya E., Bolat M., Koç S.
Iranian Journal Of Science And Technology Transaction A-Science, vol.1, pp.1-7, 2022 (SCI-Expanded)
- XI. **Intuitionistic Fuzzy Multi-Hypergroups**
Onar S., Ersoy B. A., Davvaz B., Hila K.
Journal Of Multiple-Valued Logic And Soft Computing, vol.38, no.5-6, pp.431-465, 2022 (SCI-Expanded)
- XII. **Intuitionistic fuzzy multi-polygroups**
Onar S., Ersoy B. A., Davvaz B., Hila K.
Computational & Applied Mathematics, vol.41, no.12, pp.1-23, 2022 (SCI-Expanded)
- XIII. **2-Absorbing ϕ - δ -Primary Ideals**
Yavuz S., Onar S., Ersoy B. A., Tekir Ü., Koç S.
Turkish Journal Of Mathematics, no.46, pp.1, 2021 (SCI-Expanded)
- XIV. **On Real Curve Construction for Asymptotic Critical Value Set of a Polynomial Map**
Tanabé S., Gündüz A., Ersoy B. A.
Comptes Rendus De L Academie Bulgare Des Sciences, vol.74, no.5, pp.649-657, 2021 (SCI-Expanded)
- XV. **On S-Zariski topology**
Yıldız E., Ersoy B. A., Tekir Ü., Koç S.
COMMUNICATIONS IN ALGEBRA, vol.49, no.3, pp.1212-1224, 2020 (SCI-Expanded)
- XVI. **Vague soft module**
ONAR S., YAVUZ S., ERSOY B. A., HILA K.
JOURNAL OF INTELLIGENT & FUZZY SYSTEMS, vol.34, no.4, pp.2597-2609, 2018 (SCI-Expanded)
- XVII. **A Study on Fuzzy 2-absorbing Primary Gamma-ideals in Gamma-rings**
ONAR S., SÖNMEZ D., ERSOY B. A., YEŞİLOT G., HILA K.
FILOMAT, vol.31, no.18, pp.5753-5767, 2017 (SCI-Expanded)
- XVIII. **On 2-Absorbing Primary Fuzzy Ideals of Commutative Rings**
SÖNMEZ D., YEŞİLOT G., ONAR S., ERSOY B. A., DAVVAZ B.
MATHEMATICAL PROBLEMS IN ENGINEERING, 2017 (SCI-Expanded)
- XIX. **INTUITIONISTIC FUZZY SOFT SEMIRINGS**
ERSOY B. A., ÖZKİRİŞÇİ N. A.
AZERBAIJAN JOURNAL OF MATHEMATICS, vol.6, no.2, 2016 (SCI-Expanded)
- XX. **STRUCTURE OF IDEALISTIC FUZZY SOFT Gamma-NEAR-RING**
ERSOY B. A., ONAR S., DAVVAZ B., HILA K.
UNIVERSITY POLITEHNICA OF BUCHAREST SCIENTIFIC BULLETIN-SERIES A-APPLIED MATHEMATICS AND PHYSICS, vol.77, no.3, pp.15-28, 2015 (SCI-Expanded)
- XXI. **ON GENERALIZED ROUGH (m, n)-BI-Gamma-HYPERIDEALS IN Gamma-SEMIHYPERGROUPS**
HI K., ERSOY B. A., ONAR S., DAVVAZ B.
UNIVERSITY POLITEHNICA OF BUCHAREST SCIENTIFIC BULLETIN-SERIES A-APPLIED MATHEMATICS AND PHYSICS, vol.77, no.2, pp.93-104, 2015 (SCI-Expanded)
- XXII. **Fuzzy Gamma-Hyperideals in Gamma-Hypersemirings by Using Triangular Norms**
ERSOY B. A., DAVVAZ B., ONAR S., LEOREANU-FOTEA V.
SCIENTIFIC WORLD JOURNAL, 2014 (SCI-Expanded)
- XXIII. **On generalized intuitionistic fuzzy subhyperalgebras of Boolean hyperalgebras**
HILA K., ONAR S., ERSOY B. A., DAVVAZ B.
JOURNAL OF INEQUALITIES AND APPLICATIONS, 2013 (SCI-Expanded)
- XXIV. **Atanassov's intuitionistic fuzzy Gamma - hyperideals of Gamma - semihypergroups**
ERSOY B. A., DAVVAZ B.
JOURNAL OF INTELLIGENT & FUZZY SYSTEMS, vol.25, no.2, pp.463-470, 2013 (SCI-Expanded)
- XXV. **Structure of Intuitionistic Fuzzy Sets in Gamma-Semihyperrings**
ERSOY B. A., DAVVAZ B.

ABSTRACT AND APPLIED ANALYSIS, 2013 (SCI-Expanded)

- XXVI. **Fuzzy soft Gamma-ring**
Onar S., ERSOY B. A., TEKİR Ü.
IRANIAN JOURNAL OF SCIENCE AND TECHNOLOGY TRANSACTION A-SCIENCE, vol.36, pp.469-476, 2012 (SCI-Expanded)
- XXVII. **On fuzzy interior Gamma-hyperideals of Gamma-semihypergroups**
ERSOY B. A., Saricaoglu Y., Yenigun M., Davvaz B.
UTILITAS MATHEMATICA, vol.88, pp.157-170, 2012 (SCI-Expanded)
- XXVIII. **Fuzzy semiprime ideals in Gamma-rings**
Ersoy B. A.
International Journal Of Physical Sciences, no.54, pp.308-312, 2010 (SCI-Expanded)

Articles Published in Other Journals

- I. **$\delta(0)$ -IDEALS OF COMMUTATIVE RINGS**
Chhiti M., ERSOY B. A., Kaiba K., TEKİR Ü.
International Electronic Journal of Algebra, vol.36, no.36, pp.16-28, 2024 (ESCI)
- II. **Graded pseudo weakly prime spectrum of graded topological modules**
Al-Shorman T., Bataineh M., ÇAMLIOĞLU M., ERSOY B. A.
Applied General Topology, vol.25, no.2, pp.291-303, 2024 (ESCI)
- III. **On Bipolar Complex Fuzzy Hv-subgroups**
Yavuz S., Onar S., Ersoy B. A.
Journal of Hyperstructures, vol.12, no.2, pp.183-212, 2023 (Peer-Reviewed Journal)
- IV. **Intuitionistic fuzzy soft hyperalgebras**
Bolat M., Onar S., Ersoy B. A.
Journal of Hyperstructures, vol.12, no.2, pp.213-227, 2023 (Peer-Reviewed Journal)
- V. **T-Fuzzy Subhypernear-Modules**
Onar S., Ersoy B. A., Hila K., Davvaz B.
Fuzzy Information and Engineering, vol.15, no.2, pp.162-182, 2023 (ESCI)
- VI. **2-Absorbing delta-Primary Intuitionistic Fuzzy Ideals of Commutative Rings**
Onar S., Özkan E. M., Ersoy B. A., Hila K.
NEW MATHEMATICS AND NATURAL COMPUTATION, vol.19, no.1, pp.87-104, 2023 (ESCI)
- VII. **Direct Product of Finite Intuitionistic Fuzzy Normal Subrings over Non-Associative Rings**
Kausar N., Munir M., Kousar S., Farajzadeh A., ERSOY B. A.
THAI JOURNAL OF MATHEMATICS, vol.20, no.3, pp.1041-1064, 2022 (ESCI)
- VIII. **Intuitionistic fuzzy 2-absorbing semiprimary ideals of commutative rings**
Onar S., Yavuz S., Ersoy B. A., Hila K.
JOURNAL OF DISCRETE MATHEMATICAL SCIENCES AND CRYPTOGRAPHY, vol.25, no.8-A, pp.2353-2368, 2022 (ESCI)
- IX. **(T,S)-Intuitionistic Fuzzy Hyperideals of Γ -Hyperrings**
Ersoy B. A., Onar S., Hila K., Naka K.
Applied Mathematics & Information Sciences, vol.15, no.3, pp.329-3423, 2021 (Scopus)
- X. **Study of Γ -hyperrings by fuzzy hyperideals with respect to a t-norm**
Naka K., Hila K., Onar S., Ersoy B. A.
An International Scientific Journal of Sapientia Hungarian University of Transylvania, vol.11, no.2, pp.306-331, 2020 (ESCI)
- XI. **ON CYCLIC CODES AND CYCLIC LCD CODES FROM THE FAMILY OF GROUP RINGS $Z(4)C(n)$**
Köroğlu M. E., Ersoy B. A.
SIGMA JOURNAL OF ENGINEERING AND NATURAL SCIENCES-SIGMA MUHENDISLIK VE FEN BILIMLERI DERGISI, vol.37, pp.541-549, 2019 (ESCI)

- XII. **Soft Γ -Semirings**
 Bektaş Ö., Gürses N., Onar S., Ersoy B. A.
 Math: Modelling, Application and Theory, vol.3, pp.1-16, 2018 (Peer-Reviewed Journal)
- XIII. **2-Absorbing δ -Primary Fuzzy Ideals of Commutative Rings**
 Sönmez D., Yeşilot G., Onar S., Ersoy B. A.
 SIGMA JOURNAL OF ENGINEERING AND NATURAL SCIENCES, vol.9, pp.23-29, 2018 (Peer-Reviewed Journal)
- XIV. **Intuitionistic Fuzzy 2-Absorbing Primary Ideals of Commutative Rings**
 Yavuz S., Onar S., Sönmez D., Ersoy B. A., Yeşilot G.
 Turkish Journal of Mathematics and Computer Science, no.8, pp.37-48, 2018 (Peer-Reviewed Journal)
- XV. **ON δ -PRIMARY HYPERIDEALS OF COMMUTATIVE SEMIHYPERRINGS**
 ABUMGHASEEB A., ERSOY B. A.
 Sigma Journal of Engineering and Natural Sciences, pp.63-67, 2018 (ESCI)
- XVI. **Intuitionistic Fuzzy 2-Absorbing Primary Ideals of Commutative Rings**
 Yavuz S., Onar S., Sönmez D., Ersoy B. A., Yeşilot G.
 Turkish Journal of Mathematics and Computer Science, no.8, pp.37-48, 2018 (Peer-Reviewed Journal)
- XVII. **The Embedding of an Ordered Semihypergroup in terms of Fuzzy Sets**
 Naka K., Hila K., Onar S., Ersoy B. A.
 Sigma Journal of Engineering and Natural Sciences, vol.1, no.9, pp.17-22, 2018 (ESCI)
- XVIII. **Primary hyperideals of multiplicative hyperrings**
 Sevim E. Ş., Ersoy B. A., Davvaz B.
 EURASIAN BULLETIN OF MATHEMATICS, vol.1, no.1, pp.43-49, 2018 (Peer-Reviewed Journal)
- XIX. **INTUITIONISTIC FUZZY WEAKLY PRIME IDEALS**
 ARKAN T., ONAR S., SÖNMEZ D., ERSOY B. A.
 Journal of Hyperstructures, vol.6, pp.83-92, 2017 (Peer-Reviewed Journal)
- XX. **INTUITIONISTIC FUZZY 2-ABSORBING IDEALS OF COMMUTATIVE RINGS**
 YAVUZ S., ONAR S., SÖNMEZ D., ERSOY B. A.
 Journal of Hyperstructures, vol.6, pp.56-71, 2017 (Peer-Reviewed Journal)
- XXI. **FUZZY WEAKLY PRIME Γ -IDEALS IN Γ -RINGS**
 Yeşilkurt G., ONAR S., SÖNMEZ D., ERSOY B. A.
 Journal of Hyperstructures, vol.6, pp.14-26, 2017 (Peer-Reviewed Journal)
- XXII. **Soft Γ - Modules**
 ONAR S., YAVUZ S., ERSOY B. A.
 Ratio Mathematica, vol.32, pp.45-62, 2017 (Peer-Reviewed Journal)
- XXIII. **Intuitionistic Fuzzy Soft Semi-ideals**
 ERSOY B. A., ÖZKİRİŞÇİ N. A.
 AZERBAIJAN JOURNAL OF MATHEMATICS, vol.6, no.2, pp.44-54, 2016 (ESCI)
- XXIV. **A study on fuzzy (prime) hyperideals of δ -hypersemirings**
 ERSOY B. A., DAVVAZ B.
 Romanian Journal of Mathematics and Computer science, vol.13, no.1, pp.82-95, 2013 (Peer-Reviewed Journal)
- XXV. **Some Properties of Intuitionistic Fuzzy Soft Rings**
 ERSOY B. A., ONAR S., HILA K., DAVVAZ B.
 Journal of Mathematics, vol.2013, pp.1-8, 2013 (Scopus)
- XXVI. **Isomorphism theorems for fuzzy submodules of gamma modules**
 Ersoy B. A.
 International Journal of Physical Sciences, no.6, pp.1834-1839, 2011 (Peer-Reviewed Journal)
- XXVII. **Fuzzy Relation On Modules**
 ERSOY B. A.
 International Journal of Algebra, vol.3, no.20, pp.1007-1014, 2009 (Peer-Reviewed Journal)
- XXVIII. **Fuzzy Euclidean Ideals**
 ERSOY B. A.
 Applied Sciences, vol.8, no.1, pp.13-22, 2006 (Peer-Reviewed Journal)

XXIX. Cartesian Product on Fuzzy Prime Ideals

ERSOY B. A.

Journal of Applied Sciences, vol.2, no.11, pp.1022-1024, 2002 (Peer-Reviewed Journal)

XXX. About Euclidean Rings

ERSOY B. A.

Yıldız Teknik Üniversitesi Dergisi Journal of Engineering and Natural Sciences, vol.1, no.1, pp.36-44, 2000 (Peer-Reviewed Journal)

Books & Book Chapters

I. Fen Liseleri için İleri Matematik

ERSOY B. A.

Tubitak, 2015

II. soyut cebir

AĞARGÜN A. G., ERSOY B. A., ALAN M., ORAL K. H., AYGÖR N.

birsen, İstanbul, 2015

III. Soyut Cebir II

Ersoy B. A., Ağargün G., Aygör N., Alan M.

Ytu Vakfı Yayınları, İstanbul, 2002

Refereed Congress / Symposium Publications in Proceedings

I. Intuitionistic fuzzy soft hyperalgebra

Bolat M., Ersoy B. A., Onar S.

15th Algebraic Hyperstructures and its Applications Conference (AHA2023), İstanbul, Turkey, 28 - 30 July 2023, pp.32

II. Intuitionistic (T,S)-Fuzzy Subhypernear-Modules

Ersoy B. A., Onar S., Kaya E., Bolat M., Yavuz S.

15th Algebraic Hyperstructures and its Applications Conference (AHA2023), İstanbul, Turkey, 28 - 30 July 2023, pp.23-24

III. A Generalization of Stone Representation Theorem

Yıldız E., Tekir Ü., Ersoy B. A.

THE INTERNATIONAL CONFERENCE ON ALGEBRA AND ITS APPLICATIONS (ICAA), Fas, Morocco, 11 - 15 July 2023, pp.86

IV. ϕ -S-prime Ideals of Commutative Rings

Bolat M., Kaya E., Onar S., Koç S., Ersoy B. A., Tekir Ü.

4th International Congress on Applied Sciences, Engineering and Mathematics (ICASEM), Tekirdağ, Turkey, 20 - 23 October 2022, pp.11

V. On S-maximal Ideals

Yıldız E., Ersoy B. A., Tekir Ü.

ICASEM IV. International Congress on Applied Sciences, Engineering and Mathematics, Tekirdağ, Turkey, 20 - 23 October 2022, pp.18

VI. A Topology on S-Spectrum of a Module

Yıldız E., Ersoy B. A., Tekir Ü.

INTERNATIONAL GRADUATE RESEARCH SYMPOSIUM IGRS'22, İstanbul, Turkey, 1 - 03 June 2022

VII. Vague Soft Lattices

Onar S., Özkan E. M., Ersoy B. A.

8th International Congress on Fundamental and Applied Sciences 2021 (ICFAS2021), Antalya, Turkey, 19 - 21 October 2021, pp.1

- VIII. **r-Subhypermoudles on Krasner Hyperrings**
 Bolat M., Kaya E., Onar S., Ersoy B. A.
 8th International Congress on Fundamental and Applied Sciences 2021 (ICFAS2021), Antalya, Turkey, 19 - 21 October 2021, pp.1
- IX. **δ -Primary Subhypermoudles on Krasner Hyperrings**
 Kaya E., Bolat M., Onar S., Ersoy B. A.
 8th International Congress on Fundamental and Applied Sciences 2021 (ICFAS2021), Antalya, Turkey, 19 - 21 October 2021, pp.1
- X. **Intuitionistic Complex Fuzzy Hv-Subgroups**
 Yavuz S., Onar S., Ersoy B. A.
 8th International Congress on Fundamental and Applied Sciences 2021 (ICFAS2021), Antalya, Turkey, 19 - 21 October 2021, pp.1
- XI. **2- Absorbing ϕ - δ -Primary Ideals**
 Yavuz S., Koç S., Onar S., Ersoy B. A., Tekir Ü.
 3rd International Conference on Life and Engineering Sciences, İstanbul, Turkey, 11 - 13 December 2020, pp.48
- XII. **δ -r-Hyperideals and ϕ - δ -r-Hyperideals of Commutative Hyperrings,**
 Bolat M., Kaya E., Onar S., Ersoy B. A.
 3rd International Conference on Life and Engineering Sciences, İstanbul, Turkey, 11 - 13 December 2020, pp.42
- XIII. **r-Hyperideals and Generalizations of r-Hyperideals**
 Bolat M., Kaya E., Onar S., Ersoy B. A.
 3rd International Conference on Life and Engineering Sciences, İstanbul, Turkey, 11 - 13 December 2020, pp.41
- XIV. **ϕ - δ -Primary Hyperideals in Krasner Hyperrings**
 Kaya E., Bolat M., Onar S., Ersoy B. A.
 3rd International Conference on Life and Engineering Sciences, İstanbul, Turkey, 11 - 13 December 2020, pp.36
- XV. **A Generalization of Zariski Topology**
 Yıldız E., Ersoy B. A., Tekir Ü., Koç S.
 4th International Conference on Mathematics, İstanbul, Turkey, 27 - 30 October 2020, pp.158
- XVI. **m-adic Residue Codes over $F_q[v]/(v^s-v)$**
 KÜRÜZ F., ERSOY B. A.
 International Conference on Mathematics and Mathematics Education, Ordu, Turkey, 27 June 2018, pp.1
- XVII. **Matematik Müfredat Programları ve Ders Kitaplarına Yansıması Bağlamında Bir İlişki Analizi**
 DOĞAN M., KARAKAYA V., ERSOY B. A.
 International Symposium On Textbooks (DEKUS 2018), İstanbul, Turkey, 12 - 14 April 2018
- XVIII. **Intuitionistic Fuzzy Soft Γ -Regular Semigroups**
 Onar S., Ersoy B. A.
 4th International Conference on Pure and Applied Sciences: Renewable Energy (ICPAS 2017), İstanbul, Turkey, 23 November 2017, pp.99
- XIX. **A Note On 2-Absorbing Primary Fuzzy Ideals”, ANKARA,**
 SÖNMEZ D., YEŞİLOT G., ONAR S., ERSOY B. A.
 The 5th International Fuzzy Systems Symposium (FUZZYSS'17), 14 - 15 November 2017
- XX. **A Note On 2-Absorbing Primary Fuzzy Ideals**
 SÖNMEZ D., YEŞİLOT G., ONAR S., ERSOY B. A.
 The 5th International Fuzzy Systems Symposium (FUZZYSS'17), Ankara, Turkey, 14 October 2017, pp.9
- XXI. **Vague Soft Gamma Semigroup**
 ONAR S., ERSOY B. A.
 The 5th International Fuzzy Systems Symposium (FUZZYSS'17), Ankara, Turkey, 14 October 2017, pp.64
- XXII. **Intuitionistic Fuzzy 2-Absorbing Primary Ideals of Commutative Rings**
 Yavuz S., ONAR S., ERSOY B. A., SÖNMEZ D.
 The 5th International Fuzzy Systems Symposium (FUZZYSS'17), Ankara, Turkey, 14 October 2017, pp.52
- XXIII. **On LCD codes from group rings**
 Köroğlu M. E., Ersoy B. A.

International Congress on Fundamental and Applied Sciences 2017 (ICFAS2017), Sarajevo, Bosnia And Herzegovina, 21 - 25 August 2017, pp.90

- XXIV. **2-Absorbing δ -Primary Fuzzy Ideals of Commutative Rings**
SÖNMEZ D., YEŞİLOT G., ONAR S., ERSOY B. A.
13th Algebraic Hyperstructures and its Applications, İstanbul, Turkey, 24 - 27 July 2017
- XXV. **On an algebra of fuzzy m-ary semihypergroups**
Naka K., Hila K., Onar S., Ersoy B. A.
13th Algebraic Hyperstructures and its Applications (AHA2017), İstanbul, Turkey, 24 July 2017, pp.81-82
- XXVI. **The embedding of an ordered semihypergroup in terms of fuzzy sets**
Naka K., Hila K., ONAR S., ERSOY B. A.
13th Algebraic Hyperstructures and its Applications (AHA2017), İstanbul, Turkey, 24 July 2017, pp.84-85
- XXVII. **Fuzzy Weakly Prime Γ -Ideal in Γ -Rings**
Yeşilkurt G., Onar S., Sönmez D., Ersoy B. A.
13th Algebraic Hyperstructures and its Applications (AHA2017), İstanbul, Turkey, 24 July 2017, pp.59
- XXVIII. **Fuzzy Weakly Prime Gamma-Ideal in Gamma-Rings**
ERSOY B. A., sönmez d., onar s., Yeşilkurt G.
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- XXIX. **Intuitionistic Fuzzy 2-Absorbing Ideals of Commutative Rings**
Yavuz S., ONAR S., SÖNMEZ D., ERSOY B. A.
13th Algebraic Hyperstructures and its Applications (AHA2017), İstanbul, Turkey, 24 July 2017, pp.60
- XXX. **Intuitionistic Fuzzy Weakly Prime Ideals**
Arkan T., ONAR S., SÖNMEZ D., ERSOY B. A.
13th Algebraic Hyperstructures and its Applications (AHA2017), İstanbul, Turkey, 24 July 2017, pp.52
- XXXI. **Study of Γ -hypperrings by fuzzy hyperideals with respect to a t-norm**
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Non Academic Experience

University of Cincinnati