# Prof. Bayram Ali ERSOY

## 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.ÇELİKER(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. **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)

III. **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)

IV. **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)

V. **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)

VI. **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)

VII. **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)

VIII. **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)

IX. **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)

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-polygroups**

Onar S., Ersoy B. A., Davvaz B., Hila K.

Computational & Applied Mathematics, vol.41, no.12, pp.1-23, 2022 (SCI-Expanded)

XII. **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)

XIII. **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)

XIV. **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)

XV. **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)

XVI. **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)

XVII. **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)

XVIII. **INTUITIONISTIC FUZZY SOFT SEMIRINGS**

ERSOY B. A., ÖZKİRİŞÇİ N. A.

AZERBAIJAN JOURNAL OF MATHEMATICS, vol.6, no.2, 2016 (SCI-Expanded)

XIX. **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)

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. **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)

XXII. **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)

XXIII. **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)

XXIV. **Structure of Intuitionistic Fuzzy Sets in Gamma-Semihyperrings**

ERSOY B. A., DAVVAZ B.

ABSTRACT AND APPLIED ANALYSIS, 2013 (SCI-Expanded)

XXV. **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)

XXVI. **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)

XXVII. **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. **δ(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 ?-PRIMARY HYPERIDEALS OF COMMUTATIVE SEMIHYPERRINGS**
ABUMGHAISEEB 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 ?-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**
Yildiz E., Ersoy B. A., Tekir Ü.
ICASEM IV. Internetional 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-Subhypermodules 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 Subhypermodules 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 ɸ-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 ɸ-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. **ɸ-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'xx17), 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.

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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-hyperrings by fuzzy hyperideals with respect to a t-norm**

Naka K., Hila K., Onar S., Ersoy B. A.

13th Algebraic Hyperstructures and its Applications (AHA2017), İstanbul, Turkey, 24 July 2017, pp.78-80

XXXII. **A class of LCD codes from group rings**

Köroğlu M. E., Ersoy B. A.

13th International Conference on Algebraic Hyperstructures and its Applications (AHA2017), İstanbul, Turkey, 24 - 27 July 2017, pp.1

XXXIII. **Intuitionistic Fuzzy Weakly Prime Ideals**

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## Other Publications

I. **Thomas Calculus**

ERSOY B. A.

Other, 2011

## Supported Projects

ERSOY B. A., YAVUZ S., Project Supported by Higher Education Institutions, Değişmeli Halkalarda Bulanık Sezgisel 2-Yutan İdealler, 2016 - 2019

ERSOY B. A., ABUMGHAİSEEB A., Project Supported by Higher Education Institutions, Bulanık ( Soft, Sezgisel) hiper cebirsel gamma yapılar, 2015 - 2018

ERSOY B. A., Other International Funding Programs, Bulanık Gamma Halkaların Karakteristiği, 2016 - 2017

ERSOY B. A., KÖROĞLU M. E., Project Supported by Higher Education Institutions, Bazı Grup Halkaları Üzerinde Tanımlı Kodların Yapıları, 2016 - 2017

ERSOY B. A., Project Supported by Higher Education Institutions, Manipülatiflerin Matematik Başarısına Etkisi, 2014 - 2015

ERSOY B. A., TUBITAK Project, 23 Nisan Gökyüzü Şenliği, 2014 - 2014

ERSOY B. A., TUBITAK Project, İNTERAKTİF MATEMATİK SERGİSİ, 2013 - 2014

ERSOY B. A., TUBITAK Project, ETKİLEŞİMLİ EĞİTSEL MİKRO İŞLEMCİ & BİLGİSAYAR, 2013 - 2014

ERSOY B. A., TUBITAK Project, SİHİRLİ AYNA İLE VÜCUDUMUZU TANIYALIM: INTERAKTİF AKILLI EKRANDA İNSAN VÜCUDUNUN ANATOMİSİNİN İNCELENMESİ, 2013 - 2014

ERSOY B. A., Project Supported by Higher Education Institutions, Bulanık Esnek Gamma Halkaları, 2012 - 2013

ERSOY B. A., TUBITAK Project, AKILLI AYNADA YÖRESEL KIYAFETLERİ GİYELİM VE ÖĞRENELİM SERGİSİ, 2012 - 2013

ERSOY B. A., TUBITAK Project, BİLİMSEL DENEY SET VE ORTAMLARININ TASARIM VE GELİŞTİRİLMESİ, 2011 - 2012

ERSOY B. A., TUBITAK Project, TUBİTAK Konuk Bilim Adamı destekleme Programı Prof Dr. Bijan Davvaz., 2011 - 2011

ERSOY B. A., TUBITAK Project, TUBİTAK BİDEB Prof Dr Dan Ralescu University Of Cincinnati, ABD., 2008 - 2009

## Activities in Scientific Journals

İtalian Journal of Pure and Applied Mathematics, Evaluation Committee Member, 2017 - Continues

International Balkan Journal of Mathematics, Editor, 2017 - Continues

## Scientific Refereeing

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International Journal of Physical Sciences, SCI Journal, January 2011
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## Metrics

Publication: 125
Citation (WoS): 37
Citation (Scopus): 64
H-Index (WoS): 4
H-Index (Scopus): 5

## Non Academic Experience

University of Cincinnati