

## Prof. Bayram Ali ERSOY

### Personal Information

Office Phone: [+90 212 383 4334](tel:+902123834334)

Email: [ersoya@yildiz.edu.tr](mailto:ersoya@yildiz.edu.tr)

Web: <https://avesis.yildiz.edu.tr/ersoya>

### International Researcher IDs

ORCID: 0000-0002-8307-9644

Yoksis Researcher ID: 185124

### 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

### Supervised 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  $\rho$ -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.  **$\delta$ -r-hyperideals and  $\varphi$ - $\delta$ -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.  **$\Phi$ - $\delta$ -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  $\phi$ - $\delta$ -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  $\phi$ - $\delta$  -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  $\Gamma$ -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  $\Gamma$ -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  $\Gamma$ -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  $\delta$ -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  $\delta$ -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  $\Gamma$ -IDEALS IN  $\Gamma$ -RINGS**  
Yeşilkurt G., ONAR S., SÖNMEZ D., ERSOY B. A.  
Journal of Hyperstructures, vol.6, pp.14-26, 2017 (Peer-Reviewed Journal)
- XXII. **Soft  $\Gamma$ - 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  $\delta$ -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

**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

## Papers Published in Refereed Scientific Meetings

**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.  $\phi$ -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.  **$\delta$ -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  $\phi$ - $\delta$ -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.  **$\delta$ -r-Hyperideals and  $\phi$ - $\delta$ -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.  **$\phi$ - $\delta$ -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  $\Gamma$ -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  $\delta$ -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  $\Gamma$ -Ideal in  $\Gamma$ -Rings**  
Yeşilkurt G., Onar S., Sönmez D., Ersoy B. A.  
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- XXVIII. **Fuzzy Weakly Prime Gamma-Ideal in Gamma-Rings**  
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## Other Publications

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ERSOY B. A.

Other, 2011

## Supported Projects

ERSOY B. A., Kaya E., Yavuz S., ONAR S., Bolat M., YAVUZ S., Project Supported by Higher Education Institutions, Sezgisel Bulanık Kümelerin Bazı Cebirsel Yapılara Uygulanması, 2021 - 2024

AĞARGÜN A. G., TEKİR Ü., YILDIZ E., ERSOY B. A., Project Supported by Higher Education Institutions, Bir Modülün S-spektrumu Üzerinde Yeni Bir Topoloji İnşası, 2023 - 2023

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: İNTERAKTİF 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**

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

International Balkan Journal of Mathematics, Editor, 2017 - Continues

## **Peer Reviews in Scientific Publications**

Kuwait Journal of Science and Engineering SCI Expanded, SCI Journal, October 2011

International Journal of Physical Sciences, SCI Journal, January 2011

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## **Metrics**

Publication: 126

Citation (WoS): 37

Citation (Scopus): 70

H-Index (WoS): 4

H-Index (Scopus): 5

## **Non Academic Experience**

University of Cincinnati, Post Doctorate