

## Asst. Prof. Serkan ONAR

### Personal Information

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### Education Information

Doctorate, Istanbul University, Institute Of Social Sciences, İşletme/Sayısal Yöntemler, Turkey 2014 - Continues

Doctorate, Yildiz Technical University, Graduate School Of Natural And Applied Sciences, Matematik, Turkey 2012 - 2018

Postgraduate, Yildiz Technical University, Graduate School Of Natural And Applied Sciences, Matematik, Turkey 2011 - 2012

Undergraduate, Yildiz Technical University, Faculty Of Arts & Science, Matematik, Turkey 2007 - 2010

### Dissertations

Doctorate, Sezgisel bulanık esnek  $\Gamma$ -yarı grupları, Yildiz Technical University, Graduate School Of Natural And Applied Sciences, 2018

Postgraduate, BULANIK ESNEK GAMMA HALKALARI, Yıldız Teknik Üniversitesi, Graduate School of Natural and Applied Sciences, Matematik, 2012

### Research Areas

Mathematics, Natural Sciences

### Academic Titles / Tasks

Assistant Professor, Yildiz Technical University, Faculty Of Chemical And Metallurgical Engineering, Department Of Mathematics Engineering, 2020 - Continues

Assistant Professor, Istanbul Gelisim University, Faculty Of Economics, Administrative And Social Sciences, Department Of Management Information Systems, 2019 - 2020

Research Assistant PhD, Duzce University, Faculty Of Arts And Sciences, Department Of Mathematics, 2018 - 2019

Research Assistant, Yildiz Technical University, Faculty Of Arts & Science, Department Of Mathematics, 2013 - 2018

Research Assistant, Duzce University, Faculty Of Arts And Sciences, Department Of Mathematics, 2012 - 2013

### Academic and Administrative Experience

Deputy Head of Department, Yildiz Technical University, Faculty Of Chemical And Metallurgical Engineering, Department

## Advising Theses

Onar S., Asal sayılar ve dağılımları, Postgraduate, M.TURAN(Student), 2024

## Jury Memberships

Doctorate, Doctorate, Yıldız Teknik Üniversitesi, November, 2024  
Doctoral Examination, Doctoral Examination, Yıldız Teknik Üniversitesi, November, 2024  
Doctorate, Doctorate, Yıldız Teknik Üniversitesi, November, 2024  
Doctoral Examination, Doctoral Examination, Yıldız Teknik Üniversitesi, November, 2024  
Doctoral Examination, Doctoral Examination, Yıldız Teknik Üniversitesi, November, 2024  
Post Graduate, Post Graduate, Yıldız Teknik Üniversitesi, July, 2023  
Post Graduate, Post Graduate, Yıldız Teknik Üniversitesi, July, 2023  
Doctorate, Doctorate, Yıldız Teknik Üniversitesi, February, 2023  
Doctorate, Doctorate, Yıldız Teknik Üniversitesi, February, 2023

## Published journal articles indexed by SCI, SSCI, and AHCI

- I. **A Note on Neutrosophic Soft Set over Hyperalgebras**  
Onar S.  
SYMMETRY, vol.16, no.10, pp.1-31, 2024 (SCI-Expanded)
- II. **Classical 1-Absorbing Primary Submodules**  
Yılmaz Uçar Z., Ersoy B. A., Tekir Ü., Yetkin Çelikel E., Onar S.  
MATHEMATICS, vol.2024, no.12, pp.1-13, 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. **2-Absorbing Vague Weakly Complete  $\Gamma$ -Ideals in  $\Gamma$ -Rings**  
Onar S., Hila K., Etemad S., Akgül A., La Sen M. D., Rezapour S.  
SYMMETRY, vol.15, no.3, pp.1-21, 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.  **$\Phi$ - $\delta$ -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)
- VII. **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)
- VIII. **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)
- IX. **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)
- X. **2-Absorbing  $\varphi$ - $\delta$  -Primary Ideals**

Yavuz S., Onar S., Ersoy B. A., Tekir Ü., Koç S.

Turkish Journal Of Mathematics, no.46, pp.1, 2021 (SCI-Expanded)

- XI. **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)
- XII. **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)
- XIII. **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)
- XIV. **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)
- XV. **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)
- XVI. **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)
- XVII. **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)
- XVIII. **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)

## Articles Published in Other Journals

- I. **More on the Vague Complex Subhypergroups**  
Yavuz S., Onar S., Ersoy B. A.  
Fundamentals of contemporary mathematical sciences (Online), vol.2024, no.5, pp.94-122, 2024 (Peer-Reviewed Journal)
- II.  **$\delta$ -primary subhypermodules on Krasner hyperrings**  
Kaya E., Bolat M., Ersoy B. A., Onar S., Hila K., Davvaz B.  
Categories and General Algebraic Structures with Applications, vol.2024, no.21, pp.153-174, 2024 (ESCI)
- III. **On 1-Absorbing Fuzzy Ideals of Commutative Semirings**  
ÖZKAN E. M., ONAR S., ÖZKAN A., Kaplan İ.  
Journal of Engineering Technology and Applied Sciences, vol.8, no.3, pp.131-141, 2023 (Peer-Reviewed Journal)
- IV. **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)
- V. **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)
- VI. **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)
- VII. **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)
- VIII. **2-ABSORBING INTUITIONISTIC FUZZY IDEALS OF COMMUTATIVE SEMIRINGS**  
Özkan E. M., Onar S., Özkan A., Ayan R.  
JOURNAL OF SCIENCE AND ARTS, vol.23, no.1, pp.187-198, 2023 (ESCI)
- IX. **2-Absorbing Primary Vague Weakly Completely Ideals**  
Onar S., Sema R., Hila K.  
ACTA MATHEMATICA UNIVERSITATIS COMENIANAE, vol.91, no.4, pp.313-324, 2022 (ESCI)
- X. **On Fuzzy 2-absorbing  $\Gamma$ -ideals in  $\Gamma$ -rings**  
Onar S.  
Turkish Journal of Mathematics and Computer Science, vol.14, no.1, pp.32-43, 2022 (Peer-Reviewed Journal)
- XI. **2-Absorbing Intuitionistic Fuzzy Weakly Completely  $\Gamma$  -ideals in  $\Gamma$  -rings**  
Onar S.  
Mathematical Sciences Letters, vol.11, no.2, pp.73-79, 2022 (Peer-Reviewed Journal)
- XII. **2-Absorbing Neutrosophic Weakly Completely  $\Gamma$ -Ideals**  
Onar S.  
International Journal of Neutrosophic Science, vol.18, no.3, pp.93-103, 2022 (Scopus)
- XIII. **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)
- XIV. **(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)
- XV. **Study of Gamma-hyperrings by fuzzy hyperideals with respect to a t-norm**  
Naka K., Hila K., ONAR S., ERSOY B. A.  
ACTA UNIVERSITATIS SAPIENTIAE-MATHEMATICA, vol.11, no.2, pp.306-331, 2019 (ESCI)
- XVI. **2-Absorbing Semiprimary Fuzzy Ideal of Commutative Rings**  
Sönmez D., Yeşilot G., Onar S., Ersoy B. A.  
Journal of Mathematical Sciences and Modelling, vol.2, no.3, pp.193-197, 2019 (Peer-Reviewed Journal)
- XVII. **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)
- XVIII. **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)
- XIX. **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)
- XX. **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)
- XXI. **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)
- XXII. **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)
- XXIII. **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)

**XXIV. Soft  $\Gamma$ - Modules**

ONAR S., YAVUZ S., ERSOY B. A.

Ratio Mathematica, vol.32, pp.45-62, 2017 (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)

## **Refereed Congress / Symposium Publications in Proceedings**

- I. **Bipolar Intuitionistic Fuzzy Logic Applied to 2-Absorbing Ideals in Commutative Semirings**  
Onar S.  
3. International Palestra Scientific Research Congress, Skopje, Macedonia, 25 - 26 October 2024, pp.3-9
- II. **1-Absorbing Single Valued Neutrosophic Primary Ideals of Commutative Semirings**  
Onar S.  
International Thales Congress on Life, Engineering, Architecture and Mathematics, Cairo, Egypt, 18 - 19 October 2024, pp.1-2
- III. **On Bipolar Fuzzy Soft Hyperlattices**  
Özkan E. M., Yeşilmen G., Onar S.  
V International Conference on Mathematics and its Applications in Science and Engineering (ICMASE 2024), Coimbra, Portugal, 16 - 18 September 2024, pp.9
- IV. **Intuitionistic fuzzy weakly 2-absorbing ideals of a lattice**  
Yazar S., Onar S., Özkan E. M.  
V International Conference on Mathematics and its Applications in Science and Engineering (ICMASE 2024), Coimbra, Portugal, 16 - 18 September 2024, pp.23
- V. **2-absorbing Ideals of Commutative Semirings with Bipolar Fuzzy Logic**  
Onar S., Özkan E. M., Özkan A.  
V International Conference on Mathematics and its Applications in Science and Engineering (ICMASE 2024), Coimbra, Portugal, 16 - 18 September 2024, pp.10-11
- VI. **A New Analytic Framework for Arithmetic Integrals: Proving the Prime Number Theorem**  
Turan M., Onar S.  
7th International Hybrid Conference on Mathematical Advances and Applications, İstanbul, Turkey, 8 - 11 May 2024
- VII. **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
- VIII. **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
- IX. **Bipolar Fuzzy Soft Hyperlattices**  
Yeşilmen G., Özkan E. M., Onar S., Özkan A.  
15th Algebraic Hyperstructures and its Applications Conference (AHA2023), İstanbul, Turkey, 28 - 30 July 2023, pp.27
- X. **On 2-Absorbing Neutrosophic Primary Ideals of Commutative Semirings**  
Ayan R., Özkan E. M., Onar S., Özkan A.  
4th International Eurasian Conference on Science, Engineering and Technology, Ankara, Turkey, 14 - 16 December 2022, pp.66

- XI. **On 1-Absorbing Bipolar Fuzzy Primary Ideals of Commutative Semirings**  
Kaplan İ., Özkan E. M., Onar S., Özkan A.  
4th International Eurasian Conference on Science, Engineering and Technology, Ankara, Turkey, 14 - 16 December 2022, pp.61
- XII. **On 2-Absorbing Bipolar Fuzzy Primary Ideals of Commutative Semirings**  
Ayan R., Özkan E. M., Onar S., Özkan A.  
4th International Congress on Applied Sciences, Engineering and Mathematics (ICASEM), Tekirdağ, Turkey, 20 - 23 October 2022, pp.15
- XIII. **On 1-Absorbing Vague Ideals of Commutative Semirings**  
Kaplan İ., Özkan E. M., Onar S., Özkan A.  
4th International Congress on Applied Sciences, Engineering and Mathematics (ICASEM), Tekirdağ, Turkey, 20 - 23 October 2022, pp.14
- XIV.  **$\phi$ -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
- XV. **Neutrosophic Multi-Hypergroups**  
Onar S.  
International Conference on Mathematics and Its Applications in Science and Engineering (ICMASE 2022), Bucuresti, Romania, 4 - 07 July 2022, pp.84-85
- XVI. **A Study On 1-Absorbing Intuitionistic Fuzzy Ideals of Commutative Semirings**  
Özkan E. M., Onar S., Özkan A., Kaplan İ.  
9th International Congress on Fundamental and Applied Sciences (ICFAS2022), İstanbul, Turkey, 28 - 30 June 2022, pp.174
- XVII. **A Note on 2-Absorbing Vague Ideals of Commutative Semirings**  
Özkan E. M., Onar S., Özkan A., Ayan R.  
9th International Congress on Fundamental and Applied Sciences (ICFAS2022), İstanbul, Turkey, 28 - 30 June 2022, pp.173
- XVIII. **Neutrosophic Soft Hyperalgebras**  
Onar S.  
5th International E-Conference on Mathematical Advances and Applications (ICOMAA 2022), İstanbul, Turkey, 11 - 14 May 2022, pp.171
- XIX. **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
- XX. **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
- XXI. **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
- XXII.  **$\delta$ -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
- XXIII.  **$\delta$ -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

- XXIV. **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
- XXV. **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
- XXVI.  **$\phi$ - $\delta$ -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
- XXVII. **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
- XXVIII. **Intuitionistic Fuzzy 2-Absorbing Semiprimary Ideals of Commutative Rings**  
 Yavuz S., Onar S., Ersoy B. A.  
 4th International Conference on Pure and Applied Sciences: Renewable Energy (ICPAS 2017), İstanbul, Turkey, 23 - 25 November 2017, pp.98
- XXIX. **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
- XXX. **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
- XXXI. **Vague Soft Gamma Semigroup**  
 ONAR S., ERSOY B. A.  
 The 5th International Fuzzy Systems Symposium (FUZZYSS'17), Ankara, Turkey, 14 October 2017, pp.64
- XXXII. **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
- XXXIII. **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
- XXXIV. **Study of  $\Gamma$ -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
- XXXV. **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
- XXXVI. **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
- XXXVII. **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
- XXXVIII. **Fuzzy Weakly Prime  $\Gamma$ -Ideal in  $\Gamma$ -Rings**  
 Yeşilkurt G., Onar S., Sönmez D., Ersoy B. A.  
 13th Algebraic Hyperstructures and its Applications (AHA2017), İstanbul, Turkey, 24 July 2017, pp.59
- XXXIX. **Intuitionistic Fuzzy Soft  $\Gamma$ -semigroups**  
 Onar S., Ersoy B. A.  
 International Conference on Mathematics and Engineering, İstanbul, Turkey, 10 May 2017, pp.157
- XL. **A new study on 2-absorbing Ideals of Gamma Rings**

SÖNMEZ D., YEŞİLOT G., ONAR S., ERSOY B. A.

International Conference on Mathematics and Engineering, İstanbul, Turkey, 10 May 2017, pp.99

- XLII. **Vague Soft Gamma Rings and Idealistic Vague Soft Gamma Rings**  
Bolat M., ERSOY B. A., ONAR S., DAVVAZ B.  
The 4th International Fuzzy Systems Symposium (FUZZYSS'15), İstanbul, Turkey, 05 November 2015, pp.484-506
- XLIII. **Fuzzy Isomorphism Theorems of Idealistic Soft Gamma Rings**  
Aktaş E., ERSOY B. A., ONAR S., DAVVAZ B.  
The 4th International Fuzzy Systems Symposium (FUZZYSS'15), İstanbul, Turkey, 05 November 2015, pp.476-483
- XLIV. **Characterization of Intuitionistic Fuzzy Soft  $\Gamma$ -Rings**  
Yılmaz Z., Ersoy B. A., Onar S., Davvaz B.  
INTERNATIONAL CONFERENCE ON APPLIED ANALYSIS AND MATHEMATICAL MODELLING (ICAAMM2015), İstanbul, Turkey, 08 June 2015, pp.359
- XLV. **Structure of Vague Soft  $\Gamma$ -rings**  
Bolat M., Ersoy B. A., Onar S., Davvaz B.  
INTERNATIONAL CONFERENCE ON APPLIED ANALYSIS AND MATHEMATICAL MODELLING (ICAAMM2015), İstanbul, Turkey, 08 June 2015, pp.198
- XLVI. **Isomorphism Theorems for Fuzzy Soft  $\Gamma$ -rings**  
Aktaş E., Ersoy B. A., Onar S., Davvaz B.  
INTERNATIONAL CONFERENCE ON APPLIED ANALYSIS AND MATHEMATICAL MODELLING (ICAAMM2015), İstanbul, Turkey, 08 June 2015, pp.100
- XLVII. **Fuzzy  $\Gamma$ -hyperideals in  $\Gamma$ -hypersemirings by Using Triangular Norms**  
Ersoy B. A., Onar S., Davvaz B., Fotea V. L.  
12th International Conference of Algebraic Hyperstructures and its Applications (AHA 2014), Xanthi, Greece, 2 - 07 September 2014, pp.66-67
- XLVIII. **A New Study on Generalized Intuitionistic Fuzzy Subhyperalgebras of Boolean Hyperalgebras**  
ONAR S., ERSOY B. A., DAVVAZ B., HILA K.  
2nd International Eurasian Conference on Mathematical Sciences and Applications, Saraybosna, Bosnia And Herzegovina, 26 August 2013, pp.16
- XLIX. **Intuitionistic Fuzzy Soft Ring**  
ONAR S., ERSOY B. A., DAVVAZ B., HILA K.  
13th International Conference of Mathematics and its Applications (ICMA 2012), Timisoara, Romania, 01 November 2012, pp.1
- L. **On Fuzzy Soft gamma Rings**  
ONAR S., ERSOY B. A.  
1st INTERNATIONAL EURASIAN CONFERENCE ON MATHEMATICAL SCIENCES AND APPLICATIONS, Priştine, Kosova, 03 September 2012, pp.363
- L. **Intuitionistic Fuzzy Soft Gamma Ring**  
ONAR S., ERSOY B. A., Özbek İ.  
International Congress in Honour of Professor Hari M.Srivastava, Bursa, Turkey, 23 August 2012, pp.206
- LI. **Characterizations of Generalized Fuzzy Subhyperalgebras Of Boolean Hyperalgebras**  
HILA K., ONAR S., ERSOY B. A., DAVVAZ B.  
INTERNATIONAL CONFERENCE ON APPLIED ANALYSIS AND ALGEBRA (ICAAA2012), İstanbul, Turkey, 20 June 2012, pp.239
- LII. **On Generalized Rough (m,n)-Bi-Hyperideals in Semihypergroups**  
HILA K., ERSOY B. A., ONAR S., DAVVAZ B.  
INTERNATIONAL CONFERENCE ON APPLIED ANALYSIS AND ALGEBRA (ICAAA2012), İstanbul, Turkey, 20 June 2012, pp.57
- LIII. **Fuzzy Soft Gamma Ring**  
Onar S., Ersoy B. A., Tekir Ü., Davvaz B.  
INTERNATIONAL CONFERENCE ON APPLIED ANALYSIS AND ALGEBRA (ICAAA2012), İstanbul, Turkey, 20 - 24 June 2012, pp.238-239



## 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

## Activities in Scientific Journals

Eurasian Bulletin of Mathematics, Assistant Editor/Section Editor, 2020 - Continues

## Scientific Refereeing

Iranian Journal of Fuzzy Systems , Journal Indexed in SCI-E, November 2024  
İstanbul Commerce University Journal of Science, National Scientific Refreed Journal, April 2024  
Neutrosophic Sets and Systems, Journal Indexed in ESCI, November 2023  
Asian Journal of Pure and Applied Mathematics, Other Indexed Journal, September 2023  
Journal of Mathematics, Journal Indexed in SCI-E, August 2023  
Neutrosophic Sets and Systems, Journal Indexed in ESCI, April 2023  
FILOMAT, SCI Journal, April 2023  
JOURNAL OF INTELLIGENT AND FUZZY SYSTEMS, Journal Indexed in SCI-E, March 2023  
Neutrosophic Sets and Systems, Other Indexed Journal, November 2022  
AIUB Journal of Science and Engineering (AJSE), Other Indexed Journal, October 2022  
Journal of Algebraic Systems, Other Indexed Journal, September 2022  
SAKARYA UNIVERSITY JOURNAL OF SCIENCE, Other Indexed Journal, September 2022  
FILOMAT, Journal Indexed in SCI-E, September 2022  
Erzincan University Journal of Science and Technology, Other Indexed Journal, April 2022  
International Journal of Neutrosophic Science, Other Indexed Journal, March 2022  
Sigma Journal of Engineering and Natural Sciences, Journal Indexed in ESCI, July 2021  
JOURNAL OF INTELLIGENT & FUZZY SYSTEMS, Journal Indexed in SCI-E, March 2021  
Journal of Advances in Mathematics and Computer Science, Other Indexed Journal, February 2020  
TWMS Journal of Applied and Engineering Mathematics, Journal Indexed in ESCI, January 2020  
Fundamental Journal of Mathematics and Applications, Other Indexed Journal, April 2019  
International Journal of Fuzzy Logic and Intelligent systems, Other Indexed Journal, August 2018  
African Journal of Engineering Research, Other Indexed Journal, February 2018  
Iranian Journal of Fuzzy Systems, SCI Journal, January 2018  
International Balkan Journal of Mathematics, Other Indexed Journal, January 2018  
Konuralp Journal of Mathematics, Other Indexed Journal, October 2017  
Annals of Fuzzy Mathematics and Informatics (AFMI), Other Indexed Journal, July 2016  
Annals of Fuzzy Mathematics and Informatics (AFMI), Other Indexed Journal, August 2015

## Metrics

Publication: 102

Citation (WoS): 9

Citation (Scopus): 22

H-Index (WoS): 2

H-Index (Scopus): 3

## **Congress and Symposium Activities**

The 5th International Fuzzy Systems Symposium (FUZZYSS'17), Attendee, Ankara, Turkey, 2017

13th Algebraic Hyperstructures and its Applications (AHA2017), Attendee, İstanbul, Turkey, 2017

International Conference on Mathematics and Engineering, Attendee, Turkey, 2017

International Conference on Applied Analysis and Mathematical Modelling (ICAAMM2015), Attendee, İstanbul, Turkey, 2015

12th International Conference on Algebraic Hyperstructures and its Applications, Attendee, Xánthi, Greece, 2014

3rd International Eurasian Conference on Mathematical Sciences and Applications, Attendee, Wien, Austria, 2014

2nd International Eurasian Conference on Mathematical Sciences and Applications, Attendee, Sarajevo, Bosnia And Herzegovina, 2013

International Congress in Honour of Professor Hari M.Srivastava, Attendee, Bursa, Turkey, 2012

## **Scholarships**

2211 Yurt İçi Doktora Bursu, TÜBİTAK, 2012 - Continues

## **Awards**

Onar S., 112 Etkin Akademisyen, Yıldız Teknik Üniversitesi, March 2023

ONAR S., Akademik Teşvik, YÖK, February 2018

ONAR S., Yayın Teşvik Ödülü, Yıldız Teknik Üniversitesi, February 2016

ONAR S., Akademik Teşvik, YÖK, January 2016

ONAR S., TEMEL T., Yayın Teşvik Ödülü, Yıldız Teknik Üniversitesi, January 2015