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Education Information

Doctorate, Karadeniz Technical University, -, Matematik, Turkey 1990 - 1995

Postgraduate, Karadeniz Technical University, -, Matematik, Turkey 1986 - 1990

Undergraduate, Karadeniz Technical University, Fen Fakültesi, Matematik, Turkey 1982 - 1986

Dissertations

Doctorate, Modüllerin Fuzzy Çarpımı ve Eş Çarpımının Bir Karakterizasyonu, Karadeniz Technical University, -, Matematik, 1995

Postgraduate, Aritinian Cebirlerin Gösterimleri, Karadeniz Technical University, -, Matematik, 1990

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Multipolar fuzzy hyperideals in semihypergroups**
KAZANCI O., Davvaz B.
Soft Computing, vol.27, no.19, pp.13835-13841, 2023 (SCI-Expanded)
- II. **Multipolar Fuzzy Hyperideals in Ordered Semihypergroups**
KAZANCI O., Hoskova-Mayerova S., Davvaz B.
Mathematics, vol.10, no.19, 2022 (SCI-Expanded)
- III. **Algebraic Hyperstructure of Multi-Fuzzy Soft Sets Related to Polygroups**
KAZANCI O., Hoskova-Mayerova S., Davvaz B.
Mathematics, vol.10, no.13, 2022 (SCI-Expanded)
- IV. **Application Multi-Fuzzy Soft Sets in Hypermodules**
KAZANCI O., Hoskova-Mayerova S., Davvaz B.
MATHEMATICS, vol.9, no.18, 2021 (SCI-Expanded)
- V. **Constructions of triangular norms on lattices by means of irreducible elements**
Yilmaz S., Kazanci O.
INFORMATION SCIENCES, vol.397, pp.110-117, 2017 (SCI-Expanded)
- VI. **A novel concept of (m, n) -ary subhypermodules in the framework of fuzzy sets**
Kazanci O., Davvaz B., Yilmaz S.
JOURNAL OF INTELLIGENT & FUZZY SYSTEMS, vol.32, no.3, pp.2437-2446, 2017 (SCI-Expanded)
- VII. **Approximations in a hyperlattice by using set-valued homomorphisms**
Yilmaz Ş., Kazanci O.
HACETTEPE JOURNAL OF MATHEMATICS AND STATISTICS, no.6, pp.1755-1766, 2016 (SCI-Expanded)

- VIII. **SOFT LATTICES(IDEALS, FILTERS) RELATED TO FUZZY POINT**
YILMAZ Ş., KAZANCI O.
UNIVERSITY POLITEHNICA OF BUCHAREST SCIENTIFIC BULLETIN-SERIES A-APPLIED MATHEMATICS AND PHYSICS, vol.75, no.3, pp.75-90, 2013 (SCI-Expanded)
- IX. **More on fuzzy lattices**
Kazanci O., Davvaz B.
COMPUTERS & MATHEMATICS WITH APPLICATIONS, vol.64, no.9, pp.2917-2925, 2012 (SCI-Expanded)
- X. **A new characterization of fuzzy n-ary polygroups**
KAZANCI O., Davvaz B., YAMAK S.
NEURAL COMPUTING & APPLICATIONS, vol.21, 2012 (SCI-Expanded)
- XI. **SOFT BI-IDEALS RELATED TO GENERALIZED FUZZY BI-IDEALS IN SEMIGROUPS**
KAZANCI O., YILMAZ Ş.
HACETTEPE JOURNAL OF MATHEMATICS AND STATISTICS, vol.41, no.2, pp.191-199, 2012 (SCI-Expanded)
- XII. **A solution to an open problem on the T-product of TL-fuzzy subgroups**
YAMAK S., KAZANCI O., BAYRAK D.
FUZZY SETS AND SYSTEMS, vol.178, no.1, pp.102-106, 2011 (SCI-Expanded)
- XIII. **Soft hyperstructure**
YAMAK S., KAZANCI O., Davvaz B.
COMPUTERS & MATHEMATICS WITH APPLICATIONS, vol.62, no.2, pp.797-803, 2011 (SCI-Expanded)
- XIV. **A New Kind of Fuzzy Sublattice (Ideal, Filter) of A Lattice**
Davvaz B., Kazanci O.
INTERNATIONAL JOURNAL OF FUZZY SYSTEMS, vol.13, no.1, pp.55-63, 2011 (SCI-Expanded)
- XV. **Normal fuzzy hyperideals in hypernear-rings**
YAMAK S., KAZANCI O., Davvaz B.
NEURAL COMPUTING & APPLICATIONS, vol.20, no.1, pp.25-30, 2011 (SCI-Expanded)
- XVI. **ON n-ARY HYPERGROUPS AND FUZZY n-ARY HOMOMORPHISM**
KAZANCI O., YAMAK S., Davvaz B.
IRANIAN JOURNAL OF FUZZY SYSTEMS, vol.8, no.1, pp.65-76, 2011 (SCI-Expanded)
- XVII. **Approximations in a module by using set-valued homomorphisms**
YAMAK S., KAZANCI O., Davvaz B.
INTERNATIONAL JOURNAL OF COMPUTER MATHEMATICS, vol.88, no.14, pp.2901-2914, 2011 (SCI-Expanded)
- XVIII. **Fuzzy n-ary hypergroups related to fuzzy points**
KAZANCI O., Davvaz B., YAMAK S.
NEURAL COMPUTING & APPLICATIONS, vol.19, no.5, pp.649-655, 2010 (SCI-Expanded)
- XIX. **SOFT SETS AND SOFT BCH-ALGEBRAS**
KAZANCI O., YILMAZ Ş., YAMAK S.
HACETTEPE JOURNAL OF MATHEMATICS AND STATISTICS, vol.39, no.2, pp.205-217, 2010 (SCI-Expanded)
- XX. **Generalized lower and upper approximations in a ring**
YAMAK S., KAZANCI O., Davvaz B.
INFORMATION SCIENCES, vol.180, no.9, pp.1759-1768, 2010 (SCI-Expanded)
- XXI. **Interval-valued fuzzy n-ary subhypergroups of n-ary hypergroups**
Davvaz B., KAZANCI O., YAMAK S.
NEURAL COMPUTING & APPLICATIONS, vol.18, no.8, pp.903-911, 2009 (SCI-Expanded)
- XXII. **Fuzzy n-ary polygroups related to fuzzy points**
KAZANCI O., Davvaz B., YAMAK S.
COMPUTERS & MATHEMATICS WITH APPLICATIONS, vol.58, no.7, pp.1466-1474, 2009 (SCI-Expanded)
- XXIII. **Fuzzy ideals and semiprime fuzzy ideals in semigroups**
KAZANCI O., YAMAK S.
INFORMATION SCIENCES, vol.179, no.20, pp.3720-3731, 2009 (SCI-Expanded)
- XXIV. **Generalized fuzzy n-ary subpolygroups endowed with interval valued membership functions**
Davvaz B., KAZANCI O., YAMAK S.

- JOURNAL OF INTELLIGENT & FUZZY SYSTEMS, vol.20, pp.159-168, 2009 (SCI-Expanded)
- XXV. **Divisible and pure intuitionistic fuzzy subgroups and their properties**
YAMAK S., Kazanc O., Davvaz B.
INTERNATIONAL JOURNAL OF FUZZY SYSTEMS, vol.10, no.4, pp.298-307, 2008 (SCI-Expanded)
- XXVI. **Applications of interval valued t-norms (t-conorms) to fuzzy n-ary sub-hypergroups**
YAMAK S., KAZANCI O., Davvaz B.
INFORMATION SCIENCES, vol.178, no.20, pp.3957-3972, 2008 (SCI-Expanded)
- XXVII. **Generalized fuzzy bi-ideals of semigroups**
KAZANCI O., YAMAK S.
SOFT COMPUTING, vol.12, no.11, pp.1119-1124, 2008 (SCI-Expanded)
- XXVIII. **The lower and upper approximations in a quotient hypermodule with respect to fuzzy sets**
KAZANCI O., YAMAK S., Davvaz B.
INFORMATION SCIENCES, vol.178, no.10, pp.2349-2359, 2008 (SCI-Expanded)
- XXIX. **On the structure of rough prime (primary) ideals and rough fuzzy prime (primary) ideals in commutative rings**
Kazanci O., Davvaz B.
INFORMATION SCIENCES, vol.178, no.5, pp.1343-1354, 2008 (SCI-Expanded)

Articles Published in Other Journals

- I. **On Fuzzy Ordered Hyperideals in Ordered Semihyperrings**
Kazanci O., Yilmaz Ş., Davvaz B.
ADVANCES IN FUZZY SYSTEMS, vol.2019, 2019 (ESCI)
- II. **ALGEBRAIC HYPERSTRUCTURES OF SOFT SETS ASSOCIATED TO N-ARY POLYGROUPS**
YILMAZ Ş., Kazanci O.
MATHEMATICAL SCIENCES AND APPLICATIONS E-NOTES, no.1, pp.63-71, 2013 (Peer-Reviewed Journal)
- III. **Algebraic Hyperstructures of Soft Sets Associated to Semihypergroups**
SM A., S M., KAZANCI O., DAVVAZ B.
SOUTHEAST ASIAN BULLETIN OF MATHEMATICS, no.35, pp.911-925, 2011 (ESCI)
- IV. **On intuitionistic Q-fuzzy R-subgroups of near-rings**
YILMAZ Ş., KAZANCI O., YAMAK S.
International Mathematical Forum, no.59, pp.2899-2910, 2007 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **Fuzzy interior hyperideals in ordered semihyperrings**
YILMAZ Ş., KAZANCI O.
13th Algebraic Hyperstructures and its Applications (AHA2017)24-27 July, 2017, Istanbul-Turkey, 24 - 27 July 2017
- II. **Fuzzy hyperideals in ordered semihyperrings**
KAZANCI O., YILMAZ Ş., DAVVAZ B.
13th Algebraic Hyperstructures and its Applications (AHA2017)24-27 July, 2017, Istanbul-Turkey, 24 - 27 July 2017
- III. **Extensions of Some Elements Defined on Bounded Lattices via T norms**
YILMAZ Ş., KAZANCI O.
International Conference on Algebra and Number Theory, 5 - 08 August 2014
- IV. **Algebraic Hyperstructures of Soft Sets Associated to n ary Polygroups**
YILMAZ Ş., KAZANCI O.
1st International Eurasian Conference on Mathematical Sciences and Applications, 3 - 07 September 2012

V. **Applications of interval-valued fuzzy sub-hypernear-rings with respect to t-norms (t-conorms)**

KAZANCI O., YAMAK S.

10th International Congress on Algebraic Hyperstructures and Applications, Brno, Czech Republic, 3 - 09
September 2008, pp.173-189

VI. **Kafesler Üzerinde Normlar**

YILMAZ Ş., KAZANCI O.

XIX. ULUSAL MATEMATİK SEMPOZYUMU, Turkey, 22 - 25 August 2006

Metrics

Publication: 39

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