

## Prof. SULTAN YAMAK

### Personal Information

**Office Phone:** [+90 462 377 2510](tel:+904623772510) Extension: 2510

**Email:** [syamak@ktu.edu.tr](mailto:syamak@ktu.edu.tr)

**Web:** <https://avesis.ktu.edu.tr//syamak>

**Address:** KTÜ Fen Fakültesi Matematik Bölümü

### International Researcher IDs

ScholarID: [kjQuW0YAAAAJ](https://orcid.org/0000-0001-6499-4436)

ORCID: 0000-0001-6499-4436

Publons / Web Of Science ResearcherID: AAQ-9185-2020

ScopusID: 23480797000

Yoksis Researcher ID: 28948

### Education Information

Doctorate, Karadeniz Technical University, Fen Bilimleri, Turkey 1990 - 1995

Postgraduate, Karadeniz Technical University, Fen Bilimleri, Turkey 1988 - 1990

Undergraduate, Karadeniz Technical University, Fen Fakültesi, Turkey 1983 - 1987

### Foreign Languages

English, B1 Intermediate

### Research Areas

Mathematics, Associative Rings and Algebras, Commutative Rings and Algebras, Natural Sciences

### Academic Titles / Tasks

Professor, Karadeniz Technical University, Fen Fakültesi, Matematik, 2015 - Continues

Associate Professor, Karadeniz Technical University, Fen Fakültesi, Matematik, 2010 - 2015

Assistant Professor, Karadeniz Technical University, Fen Fakültesi, Matematik, 1997 - 2010

Research Assistant, Karadeniz Technical University, Fen Fakültesi, Matematik, 1987 - 1996

### Advising Theses

YAMAK S., Genelleştirilmiş L-altgrupların Kafesleri, Doctorate, D.BAYRAK(Student), 2015

YAMAK S., (I,T)-L-Fuzzy rough sets on some algebraic structures, Doctorate, C.EKİZ(Student), 2013

YAMAK S., L-Bulanık Esnek Halkalar ve Modüller, Doctorate, Y.ÇELİK(Student), 2013

YAMAK S., TL-Vague Modüller, Postgraduate, D.BAYRAK(Student), 2010

YAMAK S., Yarıgruplarda (I,T)-L- Fuzzy Kaba Kümeler, Postgraduate, C.EKİZ(Student), 2009

YAMAK S., L-Fuzzy Soft Gruplar, Postgraduate, Y.ÇELİK(Student), 2009

YAMAK S., FUZZY MODÜL HOMOMORFİZMALARI, Doctorate, Ü.DENİZ(Student), 2008  
YAMAK S., T-L FUZZY GRUP HOMOMORFİLERİ, Postgraduate, O.BAHADIR(Student), 2006  
YAMAK S., Fuzzy İdeallerin Radikalleri, Postgraduate, E.KIR(Student), 2004

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

- I. **A note on distributivity of the lattice of L-ideals of a ring**  
BAYRAK D., YAMAK S.  
HACETTEPE JOURNAL OF MATHEMATICS AND STATISTICS, vol.48, no.1, pp.180-185, 2019 (SCI-Expanded)
- II. **TL-Fuzzy Set Valued Homomorphisms and Generalized (I,T)-L-Fuzzy Rough Sets on Groups**  
Ekiz C., Ali M. I., YAMAK S.  
FILOMAT, vol.31, no.13, pp.4153-4166, 2017 (SCI-Expanded)
- III. **The lattice of generalized normal L-subgroups**  
BAYRAK D., YAMAK S.  
JOURNAL OF INTELLIGENT & FUZZY SYSTEMS, vol.27, no.3, pp.1143-1152, 2014 (SCI-Expanded)
- IV. **Fuzzy soft set theory applied to medical diagnosis using fuzzy arithmetic operations**  
Celik Y., YAMAK S.  
JOURNAL OF INEQUALITIES AND APPLICATIONS, 2013 (SCI-Expanded)
- V. **Generalized -fuzzy rough rings via -fuzzy relational morphisms**  
Ekiz C., Celik Y., YAMAK S.  
JOURNAL OF INEQUALITIES AND APPLICATIONS, 2013 (SCI-Expanded)
- VI. **A new characterization of fuzzy n-ary polygroups**  
KAZANCI O., Davvaz B., YAMAK S.  
NEURAL COMPUTING & APPLICATIONS, vol.21, 2012 (SCI-Expanded)
- VII. **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)
- VIII. **Soft hyperstructure**  
YAMAK S., KAZANCI O., Davvaz B.  
COMPUTERS & MATHEMATICS WITH APPLICATIONS, vol.62, no.2, pp.797-803, 2011 (SCI-Expanded)
- IX. **A NEW VIEW ON SOFT RINGS**  
Celik Y., Ekiz C., YAMAK S.  
HACETTEPE JOURNAL OF MATHEMATICS AND STATISTICS, vol.40, no.2, pp.273-286, 2011 (SCI-Expanded)
- X. **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)
- XI. **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)
- XII. **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)
- XIII. **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)
- XIV. **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)
- XV. **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)
- XVI. **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)
- XVII. **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)
- XVIII. **Fuzzy ideals and semiprime fuzzy ideals in semigroups**  
 KAZANCI O., YAMAK S.  
 INFORMATION SCIENCES, vol.179, no.20, pp.3720-3731, 2009 (SCI-Expanded)
- XIX. **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)
- XX. **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)
- XXI. **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)
- XXII. **Generalized fuzzy bi-ideals of semigroups**  
 KAZANCI O., YAMAK S.  
 SOFT COMPUTING, vol.12, no.11, pp.1119-1124, 2008 (SCI-Expanded)
- XXIII. **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)

## Articles Published in Other Journals

- I. **TL-VAGUE MODULES**  
 BAYRAK D., YAMAK S.  
 BULLETIN OF THE INTERNATIONAL MATHEMATICAL VIRTUAL INSTITUTE, vol.8, pp.203-212, 2018 (Peer-Reviewed Journal)
- II. **Distributivity and pseudocomplementation of lattices of generalized L subgroups**  
 BAYRAK D., YAMAK S.  
 International Journal of Algebra and Statistics, vol.5, no.2, pp.107, 2016 (Peer-Reviewed Journal)
- III. **Product of the Generalized Subgroups**  
 BAYRAK D., YAMAK S.  
 Journal of Mathematics, vol.2016, pp.1-5, 2016 (Scopus)
- IV. **A note on the lattice of TL submodules of a module**  
 BAYRAK D., YAMAK S.  
 Annals of Fuzzy Mathematics and Informatics, vol.10, no.2, pp.323-330, 2015 (Peer-Reviewed Journal)
- V. **Generalized (I; T)-L-fuzzy rough sets based on T L-fuzzy relational morphisms on semigroups**  
 Ekiz C., YAMAK S.  
 Annals of Fuzzy Mathematics and Informatics, no.8, pp.571-592, 2014 (Peer-Reviewed Journal)
- VI. **Applications of fuzzy soft sets in ring theory**  
 ÇELİK Y., YAMAK S.  
 Annals of Fuzzy Mathematics and Informatics, no.5, pp.451-462, 2013 (Peer-Reviewed Journal)
- VII. **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. The Lattice Structure of Subhypergroups of a Hypergroup

BAYRAK D., YAMAK S., YILMAZ Ş.

13th Algebraic Hyperstructures and its Applications Conference, 24 - 27 July 2017

### II. 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

## Scientific Refereeing

The Scientific World Journal , Other journals, August 2014

Journal of Intelligent and Fuzzy Systems, SCI Journal, July 2014

Iranian Journal of fuzzy Systems, SCI Journal, January 2013

## Metrics

Publication: 32

Citation (WoS): 391

Citation (Scopus): 432

H-Index (WoS): 9

H-Index (Scopus): 10