

## Assoc. Prof. EMEL AŞICI

### Personal Information

**Office Phone:** [+90 462 377 8357](tel:+904623778357)

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

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

### Education Information

Doctorate, Karadeniz Technical University, Fen Fakültesi, Matematik Bölümü/ Cebir Ve Sayılar Teorisi, Turkey 2009 - 2013

Postgraduate, Karadeniz Technical University, Fen Fakültesi, Matematik Bölümü/ Cebir Ve Sayılar Teorisi, Turkey 2006 - 2009

Masters (Non-Thesis), Gazi University, Ağız,Dış Ve Çene Cerrahisi, Orta Öğretim Alan Öğretmenliği, Turkey 2005 - 2007

Undergraduate, Karadeniz Technical University, Fen Edebiyat Fakültesi, Matematik Bölümü, Turkey 2001 - 2005

### Foreign Languages

English, B2 Upper Intermediate

### Certificates, Courses and Trainings

Other, Erasmus Personel Hareketliliği (Ders Verme Hareketliliği), Erasmus, 2018

Other, Erasmus Personel Hareketliliği (Eğitim Alma Hareketliliği), University of Lüksemburg, 2016

Education Management and Planning, Araştırma Projesi Eğitimi, Karadeniz Teknik Üniversitesi, 2014

### Dissertations

Doctorate, T-Kısmen Sıralama ve Özellikleri, Karadeniz Technical University, Fen Fakültesi, Matematik, 2013

Postgraduate, Çarpım Kafesleri Üzerindeki Üçgensel Normlar, Karadeniz Technical University, Fen Edebiyat Fakültesi, Matematik, 2009

### Research Areas

Mathematics, Natural Sciences

### Academic Titles / Tasks

Associate Professor, Karadeniz Technical University, Of Teknoloji Fakültesi, Yazılım Mühendisliği, 2018 - Continues  
Karadeniz Technical University, Of Teknoloji Fakültesi, Yazılım Mühendisliği, 2018 - 2018

Assistant Professor, Karadeniz Technical University, Of Teknoloji Fakültesi, Yazılım Mühendisliği, 2014 - 2018

## Academic and Administrative Experience

Fakülte Kurulu Üyesi, Karadeniz Technical University, Of Teknoloji Fakültesi, Yazılım Mühendisliği, 2019 - Continues  
Fakülte Yönetim Kurulu Üyesi, Karadeniz Technical University, Of Teknoloji Fakültesi, Yazılım Mühendisliği, 2019 - Continues

Deputy Head of Department, Karadeniz Technical University, Of Teknoloji Fakültesi, Yazılım Mühendisliği, 2019 - 2020

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

- I. **Some construction approaches for t-norms and t-conorms on bounded lattices**  
AŞICI E., Mesiar R.  
Aequationes Mathematicae, vol.96, no.5, pp.955-979, 2022 (SCI-Expanded)
- II. **Some further results about t-norms and t-conorms on some special classes of bounded lattices**  
Aşıcı E.  
INTERNATIONAL JOURNAL OF GENERAL SYSTEMS, vol.1, no.1, pp.1-19, 2022 (SCI-Expanded)
- III. **On the direct product of uninorms on bounded lattices**  
Aşıcı E., Mesiar R.  
Kybernetika, vol.57, no.6, pp.1-16, 2022 (SCI-Expanded)
- IV. **Constructing t-norms and t-conorms by using interior and closure operators on bounded lattices**  
AŞICI E.  
IRANIAN JOURNAL OF FUZZY SYSTEMS, vol.19, no.1, pp.125-140, 2022 (SCI-Expanded)
- V. **On generating uninorms on some special classes of bounded lattices**  
Aşıcı E., Mesiar R.  
Fuzzy Sets And Systems, vol.1, pp.1-26, 2021 (SCI-Expanded)
- VI. **Construction methods for triangular norms and triangular conorms on appropriate bounded lattices**  
AŞICI E.  
IRANIAN JOURNAL OF FUZZY SYSTEMS, vol.18, no.3, pp.81-98, 2021 (SCI-Expanded)
- VII. **On the construction of uninorms on bounded lattices**  
AŞICI E., Mesiar R.  
FUZZY SETS AND SYSTEMS, vol.408, pp.65-85, 2021 (SCI-Expanded)
- VIII. **ON THE CONSTRUCTIONS OF T-NORMS AND T-CONORMS ON SOME SPECIAL CLASSES OF BOUNDED LATTICES**  
AŞICI E.  
KYBERNETIKA, vol.57, no.2, pp.352-371, 2021 (SCI-Expanded)
- IX. **Some methods to construct t-norms and t-conorms on bounded lattices**  
AŞICI E.  
JOURNAL OF INTELLIGENT & FUZZY SYSTEMS, vol.40, no.6, pp.10877-10892, 2021 (SCI-Expanded)
- X. **Alternative approaches to obtain t-norms and t-conorms on bounded lattices**  
Aşıcı E., Mesiar R.  
IRANIAN JOURNAL OF FUZZY SYSTEMS, vol.17, no.4, pp.121-138, 2020 (SCI-Expanded)
- XI. **New constructions of triangular norms and triangular conorms on an arbitrary bounded lattice**  
AŞICI E., Mesiar R.  
INTERNATIONAL JOURNAL OF GENERAL SYSTEMS, vol.49, no.2, pp.143-160, 2020 (SCI-Expanded)
- XII. **The equivalence of uninorms induced by the U-partial order**  
AŞICI E.  
HACETTEPE JOURNAL OF MATHEMATICS AND STATISTICS, vol.48, no.2, pp.439-450, 2019 (SCI-Expanded)
- XIII. **Direct product of nullnorms on bounded lattices**  
AŞICI E., Mesiar R.  
JOURNAL OF INTELLIGENT & FUZZY SYSTEMS, vol.36, no.6, pp.5745-5756, 2019 (SCI-Expanded)
- XIV. **AN EXTENSION OF THE ORDERING BASED ON NULLNORMS**

- AŞICI E.  
KYBERNETIKA, vol.55, no.2, pp.217-232, 2019 (SCI-Expanded)
- XV. **Equivalence Classes of Uninorms**  
AŞICI E.  
FILOMAT, vol.33, no.2, pp.571-582, 2019 (SCI-Expanded)
- XVI. **On the properties of the F-partial order and the equivalence of nullnorms**  
AŞICI E.  
FUZZY SETS AND SYSTEMS, vol.346, pp.72-84, 2018 (SCI-Expanded)
- XVII. **An order induced by nullnorms and its properties**  
AŞICI E.  
FUZZY SETS AND SYSTEMS, vol.325, pp.35-46, 2017 (SCI-Expanded)
- XVIII. **INCOMPARABILITY WITH RESPECT TO THE TRIANGULAR ORDER**  
AŞICI E., KARAÇAL F.  
KYBERNETIKA, vol.52, no.1, pp.15-27, 2016 (SCI-Expanded)
- XIX. **On the T-partial order and properties**  
AŞICI E., KARAÇAL F.  
INFORMATION SCIENCES, vol.267, pp.323-333, 2014 (SCI-Expanded)
- XX. **Some notes on T-partial order**  
KARAÇAL F., AŞICI E.  
JOURNAL OF INEQUALITIES AND APPLICATIONS, 2013 (SCI-Expanded)

## Articles Published in Other Journals

- I. **On generating t-norms (t-conorms) on some special classes of bounded lattices**  
Aşıcı E.  
International Journal of Fuzzy Logic and Intelligent Systems, vol.1, pp.1-10, 2021 (Scopus)
- II. **On the  $\alpha$ -migrativity of t-norms and t-conorms over nullnorms and uninorms**  
AŞICI E.  
NEW TRENDS IN MATHEMATICAL SCIENCE, 2018 (Peer-Reviewed Journal)
- III. **Some remarks on F-partial order and properties**  
Aşıcı E.  
ROMANIAN JOURNAL OF MATHEMATICS AND COMPUTER SCIENCE, vol.7, no.2017, pp.72-79, 2017 (Peer-Reviewed Journal)

## Books & Book Chapters

- I. **Some conclusions on the direct product of uninorms on bounded lattices**  
Aşıcı E., Mesiar R.  
in: Atlantis Studies in Uncertainty Modelling, Humberto Bustince, Guoqing Chen, Radko Mesiar, Gabriella Pasi, Editor, Springer, London/Berlin, Bratislava, pp.647-653, 2021
- II. **An Alternative Characterization of t-norms and t-conorms On An Appropriate Bounded Lattice**  
Aşıcı E.  
in: Atlantis Studies in Uncertainty Modelling, Humberto Bustince, Guoqing Chen, Radko Mesiar, Gabriella Pasi, Editor, Springer, London/Berlin, Bratislava, pp.639-646, 2021
- III. **The relation between F-partial order and distributivity equation**  
Aşıcı E., Mesiar R.  
in: New Trends in Aggregation Theory, Halas R., Gagolewski M., Mesiar R., Editor, Springer Nature Publishing Group, Olomouc, pp.106-114, 2019
- IV. **On the Migrativity Property for Uninorms and Nullnorms**

Aşıcı E.

in: Information Processing and Management of Uncertainty in Knowledge-Based Systems, Medina J., Editor, Springer, Cadiz, pp.319-328, 2018

**V. On the F-partial order and equivalence classes of nullnorms**

Aşıcı E.

in: Aggregation Functions in Theory and in Practice, Torra V., Mesiar R., De Baets B., Editor, Springer, Cham, Skövde, pp.154-161, 2017

**VI. Some Notes on the F-partial Order**

Aşıcı E.

in: Advances in Fuzzy Logic and Technology, Kacprzyk J., Szmidt E., Zadrozny S., Atanassov K., Krawczak M. , Editor, Springer, Cham, Warsaw, pp.78-84, 2017

**VII. Some Remarks on an Order Induced by Uninorms**

Aşıcı E.

in: Advances in Fuzzy Logic and Technology, Kacprzyk J., Szmidt E., Zadrozny S., Atanassov K., Krawczak M., Editor, Springer, Cham, Warsaw, pp.69-77, 2017

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

**I. On t-norms and t-conorms on bounded lattices**

Aşıcı E.

8th International Conference on Recent Advances in Pure and Applied Mathematics, ICRAPAM 2021, Muğla, Turkey, 24 - 27 September 2021, pp.1

**II. An alternative characterization of t-norms and t-conorms on an appropriate bounded lattice**

Aşıcı E.

IFSA-EUSFLAT 2021, Bratislava, Slovakia, 19 - 24 September 2021, pp.1-8

**III. Some conclusions on the direct product of uninorms on bounded lattices**

Aşıcı E., Mesiar R.

IFSA-EUSFLAT 2021, Bratislava, Slovakia, 19 - 24 September 2021, pp.1-7

**IV. Some investigations on nullnorms on bounded lattices**

Aşıcı E.

7th International Conference on Recent Advances in Pure and Applied Mathematics, ICRAPAM 2020, Muğla, Turkey, 25 - 28 September 2020, pp.9-12

**V. Some construction methods for uninorms on bounded lattices**

AŞICI E., Mesiar R.

The Fifteenth International Conference on Fuzzy Set Theory and Applications, FSTA 2020, Liptovsky Mikulas, Slovakia, 26 - 31 January 2020, pp.1

**VI. Notes on nullnorms on an arbitrary bounded lattice**

Aşıcı E.

International Conference on Recent Advances in Pure and Applied Mathematics-ICRAPAM 2019, İstanbul, Turkey, 12 - 15 June 2019, pp.20

**VII. The Relation Between F-partial Order and Distributivity Equation**

AŞICI E., Mesiar R.

10th International Summer School on Aggregation Functions (AGOP), Olomouc, Czech Republic, 1 - 04 July 2019, vol.981, pp.106-114

**VIII. Generalizing the order obtained from nullnorms**

Aşıcı E.

5 th International Conference on Recent Advances in Pure and Applied Mathematics, ICRAPAM 2018, Trabzon, Turkey, 23 - 27 July 2018, pp.1

**IX. A note on nullnorms on the unit interval**

Aşıcı E.

International Conference on Mathematics and Mathematics Education, ICMME 2018, Ordu, Turkey, 27 - 29 June 2018, pp.25-26

**X. About ordering based on nullnorms on bounded lattices**

Aşıcı E.

International Conference on Mathematics and Mathematics Education, ICMME 2018, Ordu, Turkey, 27 - 29 June 2018, pp.27-28

**XI. A survey on an order induced by nullnorms on bounded lattices**

Aşıcı E.

The Fourteenth International Conference on Fuzzy Set Theory and Applications-FSTA 2018, Liptovsky Jan, Slovakia, 28 January - 02 February 2018, pp.1-2

**XII. On the F-partial Order and Equivalence Classes of Nullnorms**

AŞICI E.

9th International Summer School on Aggregation Functions (AGOP), Skovde, Sweden, 19 - 22 June 2017, vol.581, pp.154-161

**XIII. Some Remarks on an Order Induced by Uninorms**

AŞICI E.

10th Conference of the European-Society-for-Fuzzy-Logic-and-Technology (EUSFLAT) / 16th International Workshop on Intuitionistic Fuzzy Sets and Generalized Nets (IWIFSGN), Warszawa, Poland, 11 - 15 September 2017, vol.641, pp.69-77

**XIV. On the Migrativity Property for Uninorms and Nullnorms**

AŞICI E.

17th International Conference on Information Processing and Management of Uncertainty in Knowledge-Based Systems (IPMU), Cadiz, Spain, 11 - 15 June 2018, vol.853, pp.319-328

**XV. Some Notes on the F-partial Order**

AŞICI E.

10th Conference of the European-Society-for-Fuzzy-Logic-and-Technology (EUSFLAT) / 16th International Workshop on Intuitionistic Fuzzy Sets and Generalized Nets (IWIFSGN), Warszawa, Poland, 11 - 15 September 2017, vol.641, pp.78-84

**XVI. An overview of ordering based on nullnorms**

Aşıcı E.

International Conference on Recent Advances in Pure and Applied Mathematics, ICRAPAM 2017, Aydın, Turkey, 11 - 15 May 2017, pp.44

**XVII. On Nullnorms on Bounded Lattices**

Aşıcı E.

3 th International Intuitionistic Fuzzy Sets and Contemporary Mathematics Conference, IFSCOM 2016, Mersin, Turkey, 29 August - 01 September 2016, pp.58-59

**XVIII. An Order Obtained from Nullnorms and Its Properties**

Aşıcı E.

An International Symposium on Aggregation and Structures, ISAS 2016, Lüksemburg, Luxembourg, 5 - 08 July 2016, pp.11

**XIX. Migrativity Property for Uninorms and Nullnorms**

Aşıcı E.

3 rd International Conference on Recent Advances in Pure and Applied Mathematics, ICRAPAM 2016, Muğla, Turkey, 19 - 23 May 2016, pp.31

**XX. Incomparability with respect to the T-Partial Order on Bounded Lattices**

Aşıcı E., KARAÇAL F.

8 th International Summer School on Aggregation Operators, AGOP 2015, Katowice, Poland, 7 - 10 July 2015, pp.43-47

**XXI. Some Notes on T-partial order**

AŞICI E., KARAÇAL F.

International Congress in Honour of Professor Hari M.Srivastava, Bursa, Turkey, 23 - 26 August 2012, pp.98

## Supported Projects

AŞICI E., Project Supported by Higher Education Institutions, SINIRLI KAFESLER ÜZERİNDEKİ T-KISMEN SIRALAMAYA GÖRE KIYASLANAMAZLIK, 2015 - 2016

## Tasks In Event Organizations

AŞICI E., ERİŞ BÜYÜKKAYA M., 6 th International Conference on Recent Advances in Pure and Applied Mathematics, ICRAPAM 2019, Scientific Congress, İstanbul, Turkey, Haziran 2019

AŞICI E., 5 th International Conference on Mathematics and Computing, ICMC 2019, Scientific Congress, Varanasi, India, Şubat 2019

AŞICI E., 5 th International Intuitionistic Fuzzy Sets and Contemporary Mathematics Conference, IFSCOM 2018, Scientific Congress, Kahramanmaraş, Turkey, Eylül 2018

AŞICI E., 5 th International Conference on Recent Advances in Pure and Applied Mathematics, ICRAPAM 2018, Scientific Congress, Trabzon, Turkey, Temmuz 2018

AŞICI E., 4 th International Conference on Mathematics and Computing, ICMC 2018, Scientific Congress, Varanasi, India, Ocak 2018

AŞICI E., 4 th International Conference on Recent Advances in Pure and Applied Mathematics, ICRAPAM 2017, Scientific Congress, Aydın, Turkey, Mayıs 2017

AŞICI E., 4 th International Intuitionistic Fuzzy Sets and Contemporary Mathematics Conference, IFSCOM 2017, Scientific Congress, Mersin, Turkey, Mayıs 2017

AŞICI E., International Symposium on Aggregation on Bounded Lattices, ABLAT 2014, Scientific Congress, Trabzon, Turkey, Haziran 2014

## Metrics

Publication: 51

Citation (WoS): 142

Citation (Scopus): 154

H-Index (WoS): 7

H-Index (Scopus): 7

## Congress and Symposium Activities

7 th International Conference on Recent Advances in Pure and Applied Mathematics, ICRAPAM 2020, Attendee, Muğla, Turkey, 2020

The Fifteenth International Conference on Fuzzy Set Theory and Applications, FSTA 2020,, Attendee, Bratislava, Slovakia, 2020

10 th International Summer School on Aggregation Operators, AGOP 2020,, Attendee, Olomouc, Czech Republic, 2019

6 th International Conference on Recent Advances in Pure and Applied Mathematics, ICRAPAM 2019, Attendee, İstanbul, Turkey, 2019

5 th International Conference on Recent Advances in Pure and Applied Mathematics, ICRAPAM 2018, Attendee, Trabzon, Turkey, 2018

International Conference on Mathematics and Mathematics Education, ICMME 2018, Attendee, Ordu, Turkey, 2018

17 th International Conference on Information Processing and Management of Uncertainty in Knowledge-Based Systems, IPMU 2018, Attendee, Cadiz, Spain, 2018

The Fourteenth International Conference on Fuzzy Set Theory and Applications, FSTA 2018, Attendee, Bratislava, Slovakia, 2018

The 10 th Conference of the European Society for Fuzzy Logic and Technology, EUSFLAT 2017, Attendee, Warsawa, Poland, 2017

9 th International Summer School on Aggregation Operators, AGOP 2017, Attendee, Skövde, Sweden, 2017

International Conference on Recent Advances in Pure and Applied Mathematics, ICRAPAM 2017, Attendee, Aydın, Turkey, 2017

3 th International Intuitionistic Fuzzy Sets and Contemporary Mathematics Conference (IFSCOM 2016), Attendee, Mersin, Turkey, 2016

An International Symposium on Aggregation and Structures (ISAS 2016), Attendee, Luxembourg, Luxembourg, 2016

3 rd International Conference on Recent Advances in Pure and Applied Mathematics (ICRAPAM 2016), Attendee, Muğla, Turkey, 2016

8 th International Summer School on Aggregation Operators (AGOP 2015), Attendee, Katowice, Poland, 2015

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

## **Awards**

Aşıcı E., Karadeniz Teknik Üniversitesi, Fen-Edebiyat Fakültesi Matematik Bölüm Üçüncülüğü, Karadeniz Teknik Üniversitesi, June 2005

## **Non Academic Experience**

Slovak University of Technology in Bratislava

Universite Du Luxembourg

Universidad de Cadiz

Slovakya Teknoloji Üniversitesi