

# Prof. AYŞEGÜL ALTAY UĞUR

## Personal Information

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Address: Hacettepe Üniversitesi Eğitim Fakültesi Matematik ve Fen Bilimleri Eğitimi Bölümü Matematik Eğitimi ABD

## International Researcher IDs

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## Education Information

Doctorate, Hacettepe University, Fen Fakültesi, Matematik, Turkey 2001 - 2007

Postgraduate, Hacettepe University, Fen Fakültesi, Matematik, Turkey 1998 - 2001

Undergraduate, Hacettepe University, Eğitim Fakültesi, Turkey 1993 - 1998

## Foreign Languages

German, C1 Advanced

English, B2 Upper Intermediate

## Dissertations

Doctorate, Doku Uzaylarının Kompaktlaştırmaları, Hacettepe Üniversitesi, Fen Bilimleri Enstitüsü, Matematik (Dr), 2007

Postgraduate, Metriklenebilir Topolojik Uzaylar, Hacettepe Üniversitesi, Fen Bilimleri Enstitüsü, Matematik (YI) (Tezli), 2001

## Research Areas

Mathematics, Computer Science, General Topology, Natural Sciences

## Academic Titles / Tasks

Associate Professor, Hacettepe University, Eğitim Fakültesi, Matematik ve Fen Bilimleri Eğitimi Bölümü, 2015 - Continues

Assistant Professor, Hacettepe University, Eğitim Fakültesi, Matematik ve Fen Bilimleri Eğitimi Bölümü, 2012 - 2015

Lecturer PhD, Hacettepe University, Eğitim Fakültesi, Matematik ve Fen Bilimleri Eğitimi Bölümü, 2007 - 2012

Research Assistant, Hacettepe University, Eğitim Fakültesi, Matematik ve Fen Bilimleri Eğitimi Bölümü, 1998 - 2007

## Courses

Analitik Geometri II, Undergraduate, 2017 - 2018  
Soyut Matematik II, Undergraduate, 2017 - 2018  
Analitik Geometri I, Undergraduate, 2017 - 2018  
Soyut Matematik I, Undergraduate, 2017 - 2018  
Diferensiyel Geometri, Undergraduate, 2017 - 2018  
Analiz III, Undergraduate, 2017 - 2018  
Analiz IV, Undergraduate, 2017 - 2018

## Jury Memberships

Post Graduate, Yüksek Lisans Tez Savunma, Matematik, June, 2017

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

- I. **Fuzzy rough set models over two universes using textures**  
DİKER M., Ugur A. A.  
FUZZY SETS AND SYSTEMS, vol.442, pp.155-195, 2022 (SCI-Expanded)
- II. **Generalized textural rough sets: Rough set models over two universes**  
ALTAY UĞUR A., DİKER M.  
INFORMATION SCIENCES, vol.521, pp.398-421, 2020 (SCI-Expanded)
- III. **Textural formal context**  
DİKER M., Ugur A., Bayhan S.  
INTERNATIONAL JOURNAL OF APPROXIMATE REASONING, vol.114, pp.182-203, 2019 (SCI-Expanded)
- IV. **Dicovering approximation spaces and definability**  
DİKER M., Ugur A. A.  
INTERNATIONAL JOURNAL OF APPROXIMATE REASONING, vol.101, pp.255-275, 2018 (SCI-Expanded)
- V. **Textures and dynamic relational systems**  
Ugur A.  
INTERNATIONAL JOURNAL OF MACHINE LEARNING AND CYBERNETICS, vol.9, no.5, pp.881-891, 2018 (SCI-Expanded)
- VI. **Textural unit operations in rough set theory**  
DİKER M., UGUR A. A., Bayhan S.  
INFORMATION SCIENCES, vol.418, pp.153-168, 2017 (SCI-Expanded)
- VII. **A note on dynamic relational systems**  
Ugur A.  
INFORMATION SCIENCES, vol.293, pp.327-337, 2015 (SCI-Expanded)
- VIII. **Textures and covering based rough sets**  
DİKER M., UGUR A. A.  
INFORMATION SCIENCES, vol.184, no.1, pp.44-63, 2012 (SCI-Expanded)
- IX. **USE OF COMPUTER ALGEBRA SYSTEMS IN MATHEMATICS TEACHING AT UNIVERSITY: A TEACHING EXPERIMENT**  
DOST Ş., SAGLAM Y., UGUR A. A.  
HACETTEPE UNIVERSITESI EGITIM FAKULTESI DERGISI-HACETTEPE UNIVERSITY JOURNAL OF EDUCATION, no.40, pp.140-151, 2011 (SSCI)
- X. **Interior and closure operators on texture spaces-II: Dikranjan-Giuli closure operators and Hutton algebras**  
DİKER M., DOST Ş., UGUR A. A.

- FUZZY SETS AND SYSTEMS, vol.161, no.7, pp.954-972, 2010 (SCI-Expanded)
- XI. **Interior and closure operators on texture spaces-I: Basic concepts and Cech closure operators**  
DİKER M., DOST Ş., UĞUR A. A.  
FUZZY SETS AND SYSTEMS, vol.161, no.7, pp.935-953, 2010 (SCI-Expanded)
- XII. **STONE-CECH COMPACTIFICATIONS OF DITOPOLOGICAL TEXTURE SPACES**  
UĞUR A. A., DİKER M.  
QUAESTIONES MATHEMATICAE, vol.32, no.1, pp.15-33, 2009 (SCI-Expanded)
- XIII. **A Wallman-type compactification of texture spaces**  
ALTAY A., Diker M.  
FUZZY SETS AND SYSTEMS, vol.157, no.20, pp.2683-2705, 2006 (SCI-Expanded)

### Articles Published in Other Journals

- I. **An Approach for the Stone Cech Type Compactifications of Plain Texture Spaces.**  
ALTAY UĞUR A., DİKER M.  
International J. Contemp. Math. Sciences, vol.3, no.7, pp.331-337, 2008 (Peer-Reviewed Journal)

### Refereed Congress / Symposium Publications in Proceedings

- I. **Textural Formal Concepts**  
DİKER M., ALTAY UĞUR A., Bayhan S.  
The 12th International Conference on Scalable Uncertainty Management (SUM 2018, Milan, Italy, 3 - 05 October 2018)
- II. **Dicovering Approximation Spaces**  
ALTAY UĞUR A., DİKER M.  
12. International Scalable and Uncertainty Management, 3 - 05 October 2018
- III. **Textural Neighborhoods and Definability**  
BAYHAN S., DİKER M., ALTAY UĞUR A.  
I. International Turkish Word Engineering and Science Congress (ITWESC-2017), Antalya, Turkey, 7 - 10 December 2017, pp.287
- IV. **Textural Neighbourhoods and Definability**  
BAYHAN S., DİKER M., ALTAY UĞUR A.  
1. International Turkish Word Engineering and Sciences Congress, Antalya, Turkey, 7 - 10 December 2017, pp.287
- V. **Textural Unit Operations in Rough Set Theory**  
DİKER M., ALTAY UĞUR A., BAYHAN S.  
International joint conference on rough sets, 7 - 12 October 2016
- VI. **Textures and Fuzzy Unit Operations in Rough Set Theory**  
DİKER M., ALTAY UĞUR A., BAYHAN S.  
International Joint Conference on Rough Sets, 7 - 12 October 2016
- VII. **Rough Sets and Textural Neighbourhoods**  
DİKER M., UĞUR A. A., Bayhan S.  
10th International Conference on Rough Sets and Knowledge Technology (RSKT) held as part of the International Joint Conference on Rough Sets (IJCRS), Tianjin, China, 20 - 23 November 2015, vol.9436, pp.202-213
- VIII. **Bilgisayar Cebiri Sistemlerinin Matematik Öğretimi ve Öğrenimi ile Bütünleştirilmesine Yönelik Bir Çalışma**  
DOST Ş., SAĞLAM Y., ALTAY UĞUR A.  
Uluslararası Öğretmen Yetiştirme Politikaları ve Sorunları Sempozyumu II, 16 - 18 May 2010
- IX. **A NOTE ON DITOPOLOGICAL TEXTURE SPACES**  
UĞUR A. A., DİKER M.

22nd Summer Conference on Topology and Its Applications, Castello, Spain, 24 - 27 July 2007, vol.33, pp.211-213

**X. A Stone Cech type compactification of texture spaces**

ALTAY UĞUR A., DİKER M.

22nd Summer Conference on Topology and Its Applications July 24-27, 2007 Universidad Jaume I, Castellon, Spain,  
24 - 27 July 2007

## **Supported Projects**

ALTAY UĞUR A., Project Supported by Higher Education Institutions, 2016 Uluslararası Ortak Kaba Küme Konferansı, 2016 - 2018

ALTAY UĞUR A., Project Supported by Higher Education Institutions, Eğitimde Yeni Yaklaşımlar Üzerine Uluslararası Konferansı, 2016 - 2016

DİKER M., ALTAY UĞUR A., BAYHAN S., Project Supported by Higher Education Institutions, Kaba Kümeler ve Dokusal Komşuluklar, 2015 - 2016

ALTAY UĞUR A., Project Supported by Higher Education Institutions, Kaba Kümeler üzerine 2015 Uluslararası Ortak Konferansı, 2015 - 2016

## **Metrics**

Publication: 24

Citation (WoS): 87

Citation (Scopus): 75

H-Index (WoS): 4

H-Index (Scopus): 5

## **Congress and Symposium Activities**

THE 12TH INTERNATIONAL CONFERENCE ON SCALABLE UNCERTAINTY MANAGEMENT – MILAN, ITALY, OCTOBER 3-5, 2018, Attendee, Milan, Italy, 2018

THE 12TH INTERNATIONAL CONFERENCE ON SCALABLE UNCERTAINTY MANAGEMENT – MILAN, ITALY, OCTOBER 3-5, 2018, Attendee, Milan, Italy, 2018

## **Awards**

ALTAY UĞUR A., Best Paper Award, International Rough Set Society, November 2015

## **Non Academic Experience**

Hacettepe Üniversitesi

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