

## Assoc. Prof. HATİCE TAŞBOZAN

### Personal Information

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### International Researcher IDs

ORCID: 0000-0002-6850-8658

Yoksis Researcher ID: 112419

### Education Information

Doctorate, Inonu University, Fen Bilimleri Enstitüsü, Turkey 2011 - 2017

Postgraduate, Inonu University, Fen Bilimleri Enstitüsü, Turkey 2008 - 2011

Undergraduate, Inonu University, Fen-Edebiyat Fakültesi, Turkey 2004 - 2008

### Foreign Languages

English

### Dissertations

Doctorate, Lokal rough kümeler ve rough altgrupoidler, Inonu University, Fen Bilimleri Enstitüsü, 2017

Postgraduate, S-demetler, Inonu University, Fen Bilimleri Enstitüsü, 2011

### Academic Titles / Tasks

Hatay Mustafa Kemal University, 2018 - Continues

Lecturer, 2014 - 2018

Research Assistant, Inonu University, Fen-Edebiyat Fakültesi, 2009 - 2014

### Courses

1207101 Analiz I, Undergraduate, 2023-2024

MAT-5218 İleri Matris Teorisi, Undergraduate Double Major, 2023-2024

MAT-5225 İleri Topoloji I, Undergraduate Double Major, 2023-2024, 2022-2023, 2021-2022

MAT-5226 İleri Topoloji II, Undergraduate Double Major, 2023-2024, 2022-2023, 2021-2022

1207307 Topoloji I, Undergraduate, 2023-2024, 2022-2023, 2021-2022, 2020-2021, 2019-2020, 2018-2019

1207628 Matris Teorisi II, Undergraduate, 2023-2024, 2022-2023, 2021-2022, 2020-2021, 2019-2020

1207529 Matris Teorisi I, Undergraduate, 2023-2024, 2022-2023, 2021-2022, 2020-2021, 2019-2020

1207301 Analiz III, Undergraduate, 2023-2024, 2022-2023, 2021-2022, 2020-2021, 2019-2020, 2018-2019

1207103 Soyut Matematik I, Undergraduate, 2023-2024, 2022-2023, 2021-2022, 2020-2021, 2019-2020, 2018-2019

1207309 Diferansiyel Geometri I, Undergraduate, 2023-2024, 2022-2023, 2021-2022, 2020-2021, 2018-2019

1207408 Topoloji II, Undergraduate, 2023-2024, 2022-2023, 2021-2022, 2020-2021, 2019-2020

MAT-5230 İleri Cebir II, Undergraduate Double Major, 2023-2024, 2022-2023, 2021-2022  
MAT-5101 Uzmanlık Alan Dersi, Undergraduate Double Major, 2023-2024, 2022-2023  
1207402 Analiz IV, Undergraduate, 2023-2024, 2022-2023, 2021-2022, 2020-2021, 2019-2020  
MAT-5233 İleri Cebir I, Undergraduate Double Major, 2023-2024, 2022-2023, 2021-2022  
1207802 Mezuniyet Çalışması II, Undergraduate, 2023-2024, 2022-2023, 2021-2022, 2020-2021, 2019-2020  
1207701 Mezuniyet Çalışması I, Undergraduate, 2023-2024, 2022-2023, 2021-2022, 2020-2021, 2019-2020, 2018-2019  
1207202 Analiz II, Undergraduate, 2022-2023  
1202432 Temel Bilgi Teknolojileri, Undergraduate, 2022-2023, 2021-2022  
ENF-5101 Uzmanlık Alan Dersi, Undergraduate Double Major, 2022-2023, 2019-2020, 2018-2019  
1207410 Diferansiyel Geometri II, Undergraduate, 2022-2023, 2021-2022, 2020-2021, 2019-2020  
1207212 Soyut Matematik II, Undergraduate, 2022-2023, 2021-2022, 2020-2021, 2019-2020  
MAT-5001 SEMİNER, Undergraduate Double Major, 2021-2022  
1207309 Diferansiyel Geometri, Undergraduate, 2019-2020  
1203109 Matematik I, Undergraduate, 2018-2019  
1201106 Matematik, Undergraduate, 2018-2019  
1207701 Mezuniyet Çalışması, Undergraduate, 2017-2018  
1207529 Matris Teorisi I, Undergraduate, 2017-2018, 2016-2017  
1207103 Soyut Matematik I, Undergraduate, 2017-2018, 2016-2017  
1207628 Matris Teorisi II, Undergraduate, 2017-2018, 2016-2017  
1207408 Topoloji II, Undergraduate, 2017-2018, 2016-2017, 2015-2016  
1202432 Temel Bilgi Teknolojileri, Undergraduate, 2017-2018, 2016-2017, 2015-2016  
1207212 Soyut Matematik II, Undergraduate, 2017-2018, 2016-2017  
1801218 Matematik II, Undergraduate, 2017-2018, 2016-2017, 2015-2016  
1207301 Analiz III, Undergraduate, 2017-2018, 2016-2017  
1206107 Matematik I, Undergraduate, 2017-2018, 2015-2016  
1201111 Matematik, Undergraduate, 2017-2018  
1206208 Matematik II, Undergraduate, 2017-2018, 2015-2016  
1206311 Diferansiyel Denklemler, Undergraduate, 2017-2018, 2015-2016  
1203210 Matematik II, Undergraduate, 2017-2018, 2016-2017, 2015-2016  
1801101 Matematik I, Undergraduate, 2017-2018, 2016-2017, 2015-2016  
1203109 Matematik I, Undergraduate, 2017-2018, 2016-2017, 2015-2016  
1207309 Diferansiyel Geometri I, Undergraduate, 2017-2018, 2016-2017  
1207410 Diferansiyel Geometri II, Undergraduate, 2017-2018, 2016-2017  
1207802 Mezuniyet Çalışması II, Undergraduate, 2017-2018, 2016-2017, 2015-2016  
1207307 Topoloji I, Undergraduate, 2017-2018, 2016-2017, 2015-2016  
1207402 Analiz IV, Undergraduate, 2017-2018, 2016-2017  
1207701 Mezuniyet Çalışması I, Undergraduate, 2016-2017, 2015-2016  
1207622 Varyasyonel Analiz II, Undergraduate, 2016-2017  
1207523 Varyasyonel Analiz I, Undergraduate, 2016-2017  
2101115 Temel Bilgisayar Bilimleri, Undergraduate, 2016-2017  
1206412 Kısmi Türevli Diferansiyel Denklemler, Undergraduate, 2015-2016  
1106105 Matematik I, Undergraduate, 2015-2016  
1210309 Bilgisayara Giriş I, Undergraduate, 2015-2016  
1106206 Matematik II, Undergraduate, 2015-2016  
1103103 Temel Matematik I(4Şube), Undergraduate, 2015-2016

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

- I. Hypersoft sets on nearness approximation space and its topology  
TAŞBOZAN H.

Journal of Intelligent and Fuzzy Systems, vol.46, no.1, pp.2067-2076, 2024 (SCI-Expanded)

- II. **Expert soft sets on nearness approximation space**  
Taşbozan H., Duran M.  
Filomat, vol.38, no.7, pp.2537-2544, 2024 (SCI-Expanded)
- III. **Near neutrosophic soft set**  
TAŞBOZAN H.  
AIMS Mathematics, vol.9, no.4, pp.9447-9454, 2024 (SCI-Expanded)
- IV. **Soft sets and soft topology on nearness approximation spaces**  
TAŞBOZAN H., İÇEN İ., Bağirmaz N., ÖZCAN A. F.  
Filomat, vol.31, no.13, pp.4117-4125, 2017 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Application of Bipolar Near Soft Sets**  
TAŞBOZAN H.  
Ikonion Journal of Mathematics, vol.6, no.1, pp.21-29, 2024 (Peer-Reviewed Journal)
- II. **Bipolar Soft Expert Sets on Nearness Approximation Space**  
TAŞBOZAN H.  
Turkish Journal of Science, vol.8, no.2, pp.78-84, 2023 (Peer-Reviewed Journal)
- III. **Near Soft Topological Groups Based on Near Soft Element**  
TAŞBOZAN H.  
Turkish Journal of Science, vol.7, no.2, pp.53-57, 2022 (Peer-Reviewed Journal)
- IV. **On near soft separation axioms and kuratowski closure-operator**  
YILMAZ K., Taşbozan H., Güzelkocar A.  
Balıkesir Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.24, no.2, pp.728-737, 2022 (Peer-Reviewed Journal)
- V. **QUADRATIC MODULES OF LIE ALGEBRAS FIBRED OVER NIL(2)-MODULES OF LIE ALGEBRAS**  
TAŞBOZAN H., GÜZELKOKAR A.  
Journal of Universal Mathematics, vol.5, no.2, pp.68-75, 2022 (Peer-Reviewed Journal)
- VI. **A New View on Fixed Point**  
TAŞBOZAN H.  
Journal of Universal Mathematics, vol.5, no.1, pp.36-42, 2022 (Peer-Reviewed Journal)
- VII. **NEAR SOFT CONTINUOUS AND NEAR SOFT JP-CONTINUOUS FUNCTIONS**  
TAŞBOZAN H., BAĞIRMAZ N.  
Electronic Journal of Mathematical Analysis and Applications, vol.9, no.2, pp.166-171, 2021 (Peer-Reviewed Journal)
- VIII. **Soft Separation Axioms on Nearness Approximation Spaces**  
TAŞBOZAN H., BAĞIRMAZ N.  
Sohag Journal of Mathematics, vol.8, no.2, pp.57-60, 2021 (Peer-Reviewed Journal)
- IX. **The Category of Soft Topological Hyperrings**  
ÖZCAN A. F., İÇEN İ., TAŞBOZAN H.  
Turkish Journal of Science, vol.6, no.1, pp.6-11, 2021 (Peer-Reviewed Journal)
- X. **Near Soft Connectedness**  
Taşbozan H.  
Afyon Kocatepe Üniversitesi Fen ve Mühendislik Bilimleri Dergisi, vol.20, no.5, pp.815-818, 2020 (Peer-Reviewed Journal)
- XI. **Near Soft Groupoid**  
TAŞBOZAN H.  
Ikonion Journal of Mathematics, vol.2, no.2, pp.35-39, 2020 (Peer-Reviewed Journal)
- XII. **Near Approximations in Vector Spaces**  
TAŞBOZAN H.

- Journal of Universal Mathematics, vol.3, no.2, pp.114-120, 2020 (Peer-Reviewed Journal)
- XIII. **THE LEFT (RIGHT) ROUGH APPROXIMATIONS IN A GROUP**  
BAĞIRMAZ N., TAŞBOZAN H.  
JP JOURNAL OF ALGEBRA, NUMBER THEORY AND APPLICATIONS, vol.42, no.1, pp.77-83, 2019 (ESCI)
- XIV. **The Upper and Lower Approximations in Rough Subgroupoid of a Groupoid**  
TAŞBOZAN H., İÇEN İ.  
MOROCCAN JOURNAL OF PURE AND APPLIED ANALYSIS, vol.4, no.2, pp.85-93, 2018 (Peer-Reviewed Journal)
- XV. **Topologies and approximation operators induced by binary relations**  
BAĞIRMAZ N., ÖZCAN A. F., TAŞBOZAN H., İÇEN İ.  
Journal of Mathematical and Computational Science, vol.7, no.4, pp.642-657, 2017 (Peer-Reviewed Journal)

## Books & Book Chapters

- I. **Gruplar Üzerinde Çaprazlanmış Modüller Ve Kompleksler**  
TAŞBOZAN H.  
in: Modern Matematikte Yeni Yaklaşımlar, Prof. Dr. İlker Eryılmaz, Editor, BİDGE Yayınları, Ankara, pp.44-55, 2023
- II. **Nearness and Near Sets via Normal Subgroups**  
BAĞIRMAZ N., TAŞBOZAN H.  
in: Research Reviews in Science and Mathematics, Prof. Dr. Rıdvan Karapınar, Editor, Gece Kitaplığı, pp.139-145, 2019

## Refereed Congress / Symposium Publications in Proceedings

- I. **Near Soft Compact Space**  
TAŞBOZAN H.  
7. INTERNATIONAL MARMARA SCIENTIFIC RESEARCH AND INNOVATION CONGRESS, İstanbul, Turkey, 27 - 28 January 2024
- II. **Some Algebraic Concepts In Near Soft Sets**  
TAŞBOZAN H.  
3. BOĞAZIÇI SCIENTIFIC RESEARCH CONGRESS, İstanbul, Turkey, 20 - 21 January 2024
- III. **Bipolar Soft Expert Sets on Nearness Approximation Space**  
TAŞBOZAN H.  
2nd International E-Conference on Mathematical and Statistical Sciences: A Selçuk Meeting, Konya, Turkey, 5 - 07 June 2023
- IV. **On Near Soft Groupoids**  
TAŞBOZAN H.  
Cukurova 5th International Scientific Researches Conference, Adana, Turkey, 9 - 11 October 2020
- V. **Homomorphism of Near Approximations in Groups**  
TAŞBOZAN H.  
Cukurova 5th International Scientific Researches Conference, Adana, Turkey, 9 - 11 October 2020
- VI. **Near Soft Continuous and Near Soft Jp-Continuous Functions**  
TAŞBOZAN H., BAĞIRMAZ N.  
International Conference on Mathematical Studies and Applications, 4 - 06 October 2018
- VII. **The Left (Right) Rough Approximations In A Group**  
BAĞIRMAZ N., TAŞBOZAN H.  
International Conference on Mathematics and Mathematics Education (ICMME-2018), 27 - 29 June 2018
- VIII. **Near Soft Sets and Near Soft Topology**  
ÖZCAN A. F., TAŞBOZAN H., BAĞIRMAZ N., İÇEN İ.  
2nd International Eurasian Conference on Mathematical Sciences and Applications, 26 - 29 August 2013

**IX. Topologies and Approximation Operators Induced by Binary Relations**

ÖZCAN A. F., BAĞIRMAZ N., TAŞBOZAN H., İÇEN İ.

2nd International Eurasian Conference on Mathematical Sciences and Applications, 26 - 29 August 2013

**X. Local Equivalence Relation**

TAŞBOZAN H., İÇEN İ.

VIII. Geometri Sempozyumu, Antalya, Turkey, 29 April - 02 May 2010

**Metrics**

Publication: 31