

## Prof. Dr. MEHMET BARAN

### Kişisel Bilgiler

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Posta Adresi: Erciyes Üniversitesi, fen fakültesi, matematik Bölümü

### Uluslararası Araştırmacı ID'leri

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Publons / Web Of Science ResearcherID: AAQ-5513-2021

ScopusID: 7103135804

Yoksis Araştırmacı ID: 5891

### Eğitim Bilgileri

Doktora, University of Miami, Arts And Sciences, Mathematics, Amerika Birleşik Devletleri 1985 - 1990

Yüksek Lisans, University of Miami, Arts And Sciences, Mathematics, Amerika Birleşik Devletleri 1984 - 1985

Lisans, İnönü Üniversitesi, Fen Edebiyat, Matematik, Türkiye 1978 - 1982

Lisans, İnönü Üniversitesi, Fen Edebiyat, Matematik, Türkiye 1978 - 1982

### Yabancı Diller

İngilizce, C1 İleri

### Araştırma Alanları

Matematik, Cebirsel Topoloji, Genel Topoloji, Temel Bilimler

### Akademik Unvanlar / Görevler

Prof. Dr., Erciyes Üniversitesi, Fen Fakültesi, Matematik, 1990 - Devam Ediyor

### Verdiği Dersler

Topos Teorisi, Doktora, 2014 - 2015

### Yönetilen Tezler

BARAN M., Predüzgün Yakınsak Uzaylar Kategorisinde Kapalılık ve  $T_0$ ,  $T_1$  Nesnelere, Doktora, S.Kula(Öğrenci), 2014

### SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayımlanan Makaleler

- I. **Stone spaces I**  
BARAN M.  
Filomat, cilt.38, sa.16, ss.5739-5752, 2024 (SCI-Expanded)
- II. **Separation, connectedness, and disconnectedness**  
BARAN M.  
Turkish Journal of Mathematics, cilt.47, sa.1, ss.279-295, 2023 (SCI-Expanded)
- III. **Complete mitogenomes of Turkish tree squirrels, *Sciurus anomalus* and *S. vulgaris*, (Sciuridae: Rodentia: Mammalia) and their phylogenetic status within the tribe Sciurini**  
İbiş O., Selçuk A. Y., Teber S., Baran M., Kaya A., Özcan S., Kefelioğlu H., Tez C.  
Gene, cilt.841, 2022 (SCI-Expanded)
- IV. **Sober spaces**  
BARAN M., Abughalwa H.  
TURKISH JOURNAL OF MATHEMATICS, cilt.46, sa.1, ss.299-310, 2022 (SCI-Expanded)
- V. **Closure operators in convergence approach spaces**  
QASIM M., BARAN M., ABUGHALWA H.  
TURKISH JOURNAL OF MATHEMATICS, cilt.45, sa.1, ss.139-152, 2021 (SCI-Expanded)
- VI. **Closure Operators in Semiuniform Convergence Spaces**  
BARAN M., KULA S., BARAN T. M., QASIM M.  
FILOMAT, cilt.30, sa.1, ss.131-140, 2016 (SCI-Expanded)
- VII. **The effects of adriamycin on E-cadherin mediated cell-cell adhesion and apoptosis during early kidney development**  
Yay A. H., Özdamar S., Balcioğlu E., Baran M., Akkus D., Sonmez M. F.  
BIOTECHNIC & HISTOCHEMISTRY, cilt.90, sa.5, ss.375-383, 2015 (SCI-Expanded)
- VIII. **T-0 and T-1 semiuniform convergence spaces**  
BARAN M., Kula S., Erciyes A.  
FILOMAT, cilt.27, sa.4, ss.537-546, 2013 (SCI-Expanded)
- IX. **Quotient-reflective and bireflective subcategories of the category of preordered sets**  
BARAN M., AL-SAFAR J.  
TOPOLOGY AND ITS APPLICATIONS, cilt.158, sa.15, ss.2076-2084, 2011 (SCI-Expanded)
- X. **CONNECTEDNESS AND SEPARATION IN THE CATEGORY OF CLOSURE SPACES**  
Baran M., Tokat D., KULA M.  
FILOMAT, cilt.24, sa.2, ss.67-79, 2010 (SCI-Expanded)
- XI. **PreT (2) Objects in Topological Categories**  
BARAN M.  
APPLIED CATEGORICAL STRUCTURES, cilt.17, sa.6, ss.591-602, 2009 (SCI-Expanded)
- XII. **CONDITIONS IMPLYING CONTINUITY OF MAPS**  
Baran M., KULA M., Erciyes A.  
JOURNAL OF THE KOREAN MATHEMATICAL SOCIETY, cilt.46, sa.4, ss.813-826, 2009 (SCI-Expanded)
- XIII. **A note on connectedness**  
Baran M., Kula M.  
PUBLICATIONES MATHEMATICAE-DEBRECEN, cilt.68, ss.489-501, 2006 (SCI-Expanded)
- XIV. **Compactness, perfectness, separation, minimality and closedness with respect to closure operators**  
Baran M.  
APPLIED CATEGORICAL STRUCTURES, cilt.10, sa.4, ss.403-415, 2002 (SCI-Expanded)
- XV. **Closure operators in convergence spaces**  
Baran M.  
ACTA MATHEMATICA HUNGARICA, cilt.87, ss.33-45, 2000 (SCI-Expanded)
- XVI. **Completely regular objects and normal objects in topological categories**  
Baran M.  
ACTA MATHEMATICA HUNGARICA, cilt.80, sa.3, ss.211-224, 1998 (SCI-Expanded)
- XVII. **T-3 and T-4-objects in topological categories**

- Baran M.  
INDIAN JOURNAL OF PURE & APPLIED MATHEMATICS, cilt.29, sa.1, ss.59-69, 1998 (SCI-Expanded)
- XVIII. **A notion of compactness in topological categories**  
Baran M.  
PUBLICATIONES MATHEMATICAE-DEBRECEN, cilt.50, ss.221-234, 1997 (SCI-Expanded)
- XIX. **T Objects in Topological Categories, Acta Math**  
Baran M., ALTINDİŞ H.  
ACTA MATHEMATICA HUNGARICA, cilt.71, ss.41-48, 1996 (SCI-Expanded)
- XX. **T Objects in Topological Categories**  
Baran M., ALTINDİŞ H.  
KUWAIT JOURNAL OF SCIENCE, cilt.22, ss.123-127, 1995 (SCI-Expanded)
- XXI. **T-0-objects in topological categories**  
Baran M., Altindis H.  
JOURNAL OF THE UNIVERSITY OF KUWAIT-SCIENCE, cilt.22, sa.2, ss.123-127, 1995 (SCI-Expanded)
- XXII. **GENERALIZED LOCAL SEPARATION PROPERTIES**  
BARAN M.  
INDIAN JOURNAL OF PURE & APPLIED MATHEMATICS, cilt.25, sa.6, ss.615-620, 1994 (SCI-Expanded)
- XXIII. **SEPARATION PROPERTIES**  
BARAN M.  
INDIAN JOURNAL OF PURE & APPLIED MATHEMATICS, cilt.23, sa.5, ss.333-341, 1992 (SCI-Expanded)

## **Diğer Dergilerde Yayınlanan Makaleler**

- I. **T-0 CONVERGENCE APPROACH SPACES**  
Qasim M., BARAN M.  
COMMUNICATIONS FACULTY OF SCIENCES UNIVERSITY OF ANKARA-SERIES A1 MATHEMATICS AND STATISTICS, cilt.69, sa.1, ss.603-612, 2020 (ESCI)
- II. **T<sub>1</sub> Approach Spaces**  
BARAN M., Qasim M.  
Communications Faculty Of Science University of Ankara Series A1Mathematics and Statistics, cilt.68, sa.1, ss.784-800, 2019 (ESCI)
- III. **Local Pre-Hausdorff Constant filter convergence spaces**  
ERCİYES A., BARAN M.  
Turkish Journal of Mathematics Computer Science, 2018 (Hakemli Dergi)
- IV. **Local T<sub>1</sub> Preordred spaces**  
BARAN M.  
Turkish Journal of Mathematics and Computer Science, cilt.10, ss.169-172, 2018 (Hakemli Dergi)
- V. **Local T<sub>0</sub> Filter Convergence Spaces**  
BARAN M.  
Turkish Journal of Mathematics Computer Science, sa.10, 2018 (Hakemli Dergi)
- VI. **Local T<sub>0</sub> Approach Spaces**  
BARAN M., QASIM M.  
Mathematical Sciences and Applications E-Notes (MSAEN), cilt.5, sa.1, ss.46-56, 2017 (Hakemli Dergi)
- VII. **A note on Separation and Compactness in Categories of Convergence Spaces**  
Baran M., KULA M.  
APPLIED GENERAL TOPOLOGY, cilt.4, ss.1-13, 2003 (ESCI)
- VIII. **Separation Properties in Topological Categories**  
BARAN M.  
Math. Balkanica, 1996 (Hakemli Dergi)
- IX. **Separation Properties in Category of Filter Convergence Spaces**

BARAN M.

Bull. Calcutta Math, 1993 (Hakemli Dergi)

X. **The Notion of Closedness in Topological Categories**

BARAN M.

Comment. Math. Unic. Carolinae, 1993 (Hakemli Dergi)

XI. **Separation Properties at  $p$  for The Topological Categories of Reflexive Relation Spaces and Preordered Spaces**

BARAN M.

Math. Balkanica, 1992 (Hakemli Dergi)

## **Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar**

I. **LOCAL PRE-HAUSDORFF CONSTANT LIMIT SPACES**

BARAN M., ERCİYES A.

III. International Scientific and Vocational Studies Congress Science and Health, 27 Haziran 2019

II. **Lokal  $T_0$  Semiuniform Limit Convergence Spaces**

ERCİYES A., BARAN M.

II. International Scientific and Vocational Studies Congress – Science and Mathematics(BILMES SCI 2018),

Nevşehir, Türkiye, 5 - 08 Temmuz 2018, ss.127-131

III. **Closure Operators in Preordered Spaces**

BARAN M.

II. International Scientific and Vocational Studies Congress, 5 - 08 Temmuz 2018

IV.  **$T_0$  Preordered Spaces**

BARAN M.

II. International Scientific and Vocational Studies Congress, 5 - 08 Temmuz 2018

V. **Closedness in Local Filter Convergence Spaces**

BARAN M.

II. International Scientific and Vocational Studies Congress, 5 - 08 Temmuz 2018

VI.  **$T_0$  LİMİT PRE-APPROACH SPACES**

BARAN M., Qasım M.

ICAT 2018, Antalya, Türkiye, 28 Nisan - 01 Mayıs 2018, ss.71

VII. **Zero Dimensional Constant Filter Convergence Spaces**

BARAN M.

International Conference on Mathematics and Mathematics Education (ICMME-2017), Harran University, Şanlıurfa, Şanlıurfa, Türkiye, 11 - 13 Mayıs 2017, ss.829-830

VIII. **Local Pre-Hausdorff Relation Spaces**

BARAN M.

International Conference on Mathematics and Mathematics Education (ICMME-2017), Harran University, Şanlıurfa, Şanlıurfa, Türkiye, 11 - 13 Mayıs 2017, ss.719-721

IX. **Local  $T_0$  Approach Spaces**

BARAN M., Qasım M.

International Conference on Mathematics and Mathematics Education (ICMME-2017), 11 - 13 Mayıs 2017

X. **Zero-Dimensional Kent Convergence Spaces**

BARAN M.

International Conference on Mathematics and Mathematics Education (ICMME-2017), Harran University, Şanlıurfa, Şanlıurfa, Türkiye, 11 - 13 Mayıs 2017, ss.831-832

XI. **Local  $T_1$  Approach Spaces**

BARAN M., Qasım M.

International Conference on Mathematics and Mathematics Education (ICMME-2017), 11 - 13 Mayıs 2017

XII. **Closedness in Reflexive Spaces**

BARAN M.

International Conference on Mathematics and Mathematics Education (ICMME-2017), Harran University, Şanlıurfa, Şanlıurfa, Türkiye, 11 - 13 Mayıs 2017, ss.680-681

**XIII. Zero Dimensional Filter Convergence Spaces**

BARAN M.

International Conference on Mathematics and Mathematics Engineering (ICOME-2017), Yıldız Teknik University, İstanbul, İstanbul, Türkiye, 10 - 12 Mayıs 2017, ss.324

**XIV. T0 Approach Spaces**

BARAN M., Qasım M.

Baran M., "T0 Approach Spaces", International Conference on Mathematics and Mathematics Engineering (ICOME-2017), Yıldız Teknik University, İstanbul, 10 - 12 Mayıs 2017

**XV. Local T1 Distance-Approach Spaces**

BARAN M.

5th International Conference on Advanced Technology & Sciences (ICAT17) Proceedings, İstanbul, Türkiye, 9 - 12 Mayıs 2017, ss.112-116

**XVI. T1 Approach Spaces**

BARAN M.

", International Conference on Mathematics and Mathematics Engineering (ICOME-2017), Yıldız Teknik University, İstanbul, İstanbul, Türkiye, 10 - 12 Mayıs 2017, ss.393

**XVII. Zero Dimensional and Pre-Hausdorff Family Spaces**

BARAN M.

International Conference on Mathematics and Mathematics Engineering (ICOME-2017), Yıldız Teknik University, İstanbul, İstanbul, Türkiye, 10 - 12 Mayıs 2017, ss.325

**XVIII. Local Separations in Reflexive Spaces**

BARAN M.

1st International Mediterranean Science and Engineering Congress (IMSEC 2016), 26 - 28 Ekim 2016

**XIX. Pre-Hausdorff Relation Spaces**

BARAN M.

1st International Mediterranean Science and Engineering Congress (IMSEC 2016), Adana, Türkiye, 26 - 28 Ekim 2016, ss.280-285

**XX. 1st International Mediterranean Science and Engineering Congress (IMSEC 2016), October 26-28, 2016, Adana/Turkey Local Separations in Reflexive Spaces**

BARAN M.

1st International Mediterranean Science and Engineering Congress (IMSEC 2016), Adana, Türkiye, 26 - 28 Ekim 2016, ss.274-279

**XXI. T0 REFLEXIVE SPACES**

BARAN M.

International Conference on Advanced Technology & Sciences (ICAT'16), Konya, Türkiye, 1 - 03 Eylül 2016, ss.1452-1454

**XXII. Closure Operators in Filter Convergence Spaces**

BARAN M.

International Conference on Mathematics and Mathematics Education (ICMME-2016), Elazığ, Türkiye, 12 - 14 Mayıs 2016, ss.464-465

**XXIII. On the Zero-Dimensional Objects in The Category of Local Filter convergence Spaces**

BARAN M., Erciyes A.

International Conference on Mathematics and Mathematics Education (ICMME-2016), Elazığ, Türkiye, 12 - 14 Mayıs 2016, ss.514-515

**XXIV. ON THE ZERO DIMENSIONAL OBJECTS IN CATEGORY OF LOCAL FILTER CONVERGENCE SPACES**

ERCİYES A., BARAN M.

International Conference on Mathematics and Mathematics Education (ICMME-2016), 12 - 14 Mayıs 2016

**XXV. Pre-Hausdorff Constant Filter Convergence Spaces**

BARAN M., Erciyes A.

International Conference on Natural Science and Engineering (ICNASE'16), Kilis, Türkiye, 19 - 20 Mart 2016,  
ss.389-396

**XXVI. Closure Operators in Reflexive Spaces**

BARAN M., Baran T. M.

International Conference on Natural Science and Engineering (ICNASE'16), Kilis, Türkiye, 19 - 20 Mart 2016,  
ss.140-149

## **Desteklenen Projeler**

BARAN M., QASIM M., Yükseköğretim Kurumları Destekli Proje, T0 ve T1 Yaklaşım Uzayları, 2017 - 2018

BARAN M., BARAN T. M., Yükseköğretim Kurumları Destekli Proje, YARIDÜZGÜN UZAYLARDA KAPANIŞ OPERATÖRLERİ,  
2015 - 2016

## **Metrikler**

Yayın: 61

Atıf (WoS): 146

Atıf (Scopus): 76

H-İndeks (WoS): 9

H-İndeks (Scopus): 6

## **Akademi Dışı Deneyim**

Erciyes Üniversitesi