

## Res. Asst. PhD SABRİ KAAAN GÜRBÜZER

### Personal Information

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### International Researcher IDs

ScholarID: YGc-qFkAAAAJ

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Publons / Web Of Science ResearcherID: W-6961-2019

ScopusID: 57209913055

Yoksis Researcher ID: 104751

### Education Information

Doctorate, Dokuz Eylul University, Fen Bilimleri Enstitüsü, Matematik (Dr), Turkey 2008 - 2014

Postgraduate, Dokuz Eylul University, Fen Bilimleri Enstitüsü, Matematik (YI) (Tezli), Turkey 2006 - 2008

Undergraduate, Dokuz Eylul University, Fen Fakültesi, Matematik Bölümü, Turkey 2000 - 2006

### Foreign Languages

English, B2 Upper Intermediate

### Dissertations

Doctorate, Role of Category Theory In Geometry, Dokuz Eylul University, Fen Bilimleri Enstitüsü, Matematik (Dr), 2014

Postgraduate, N-Categories, Dokuz Eylul University, Fen Bilimleri Enstitüsü, Matematik (YI) (Tezli), 2008

### Research Areas

Algebraic Geometry, Algebraic Topology, Differential Geometry, General Mathematics, General Topology, Geometry, Combinatorics, Manifolds and Cell Complexes, Topological Groups, Lie Groups

### Academic Titles / Tasks

Research Assistant PhD, Dokuz Eylul University, Fen Fakültesi, Matematik Bölümü, 2007 - Continues

### Academic and Administrative Experience

Fakülte Mezuniyet komisyonu, Dokuz Eylul University, Fen Fakültesi, Matematik Bölümü, 2022 - Continues

Spor Koordinatörlüğü, Dokuz Eylul University, Fen Fakültesi, Matematik Bölümü, 2020 - Continues

Erasmus Program Department Coordinator, Dokuz Eylul University, Fen Bilimleri Enstitüsü, 2019 - Continues

## Courses

### Undergraduate

Calculus I, Undergraduate, 2024 - 2025, 2018 - 2019  
İŞLETME MATEMATİĞİ I, Undergraduate, 2024 - 2025  
Graduation Project, Undergraduate, 2024 - 2025  
MATEMATİK I, Undergraduate, 2023 - 2024  
DISCRETE MATHEMATICS AND ITS APPLICATIONS, Undergraduate, 2022 - 2023  
CALCULUS, Undergraduate, 2021 - 2022  
Calculus I, Undergraduate, 2021 - 2022  
Calculus I, Undergraduate, 2020 - 2021, 2019 - 2020  
Introduction to Linear Algebra, Undergraduate, 2021 - 2022  
ANALYTIC GEOMETRY, Undergraduate, 2019 - 2020, 2018 - 2019  
Calculus II, Undergraduate, 2019 - 2020, 2018 - 2019  
Calculus II, Undergraduate, 2018 - 2019

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

- I. **Spin structures on generalized real Bott manifolds**  
Güçlükan İlhan A., Gürbüzer S. K., Pamuk S.  
TURKISH JOURNAL OF MATHEMATICS, vol.47, no.4, pp.1220-1235, 2023 (SCI-Expanded)
- II. **Weakly equivariant classification of small covers over a product of simplicies**  
Güçlükan İlhan A., Gürbüzer S. K.  
JOURNAL OF THE KOREAN MATHEMATICAL SOCIETY, vol.59, no.5, pp.963-986, 2022 (SCI-Expanded)
- III. **Prismatic Sets Associated with Planar Rooted Trees**  
Gürbüzer S. K., Akyar B.  
JOURNAL OF MATHEMATICS, vol.2019, 2019 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Labelled Maximal Tubings on Paths and Graph Associahedra**  
Gürbüzer S. K., Akyar B.  
EUROPEAN JOURNAL OF PURE AND APPLIED MATHEMATICS, vol.12, no.3, pp.734-748, 2019 (ESCI)

## Books

- I. **Matematik Bölümü**  
Dişibüyük N. B., Gürbüzer S. K., Karpuz B.  
in: Herkes İçin Bilim, Pervin Baylan, Editor, Dokuz Eylül Üniversitesi Yayınları, İzmir, pp.75-87, 2023

## Papers Published in Refereed Scientific Meetings

- I. **On Stiefel-Whitney classes of generalized real Bott manifolds**  
Gürbüzer S. K.  
Algebra, Topology and Related Fields, İzmir, Turkey, 22 - 23 September 2022
- II. **ON THE NUMBER OF THE WEAK EQUIVARIANT CLASSES OF SMALL COVER OVER THE PRODUCT OF THREE SIMPLICIES**  
Gürbüzer S. K.

INTERNATIONAL ASIAN CONGRESS ON CONTEMPORARY SCIENCES-VI, Van, Turkey, 27 - 29 May 2022, pp.171-172

III. **ÇİZGELERDE MAKSİMAL BORU SİSTEMLERİNİN BAZI ÖZELLİKLERİ ÜZERİNE**

Gürbüzer S. K.

BLACK SEA SUMMIT 6th INTERNATIONAL APPLIED SCIENCES CONGRESS, Sinop, Turkey, 05 June 2021, pp.13

IV. **Düzlemsel Köklü Ağaçların Bikompleksi**

Gürbüzer S. K., Akyar B.

32. Ulusal Matematik Sempozyumu, Samsun, Turkey, 02 September 2019

V. **On a Decomposition of the Bicomplex of Planar Binary Trees**

Gürbüzer S. K., Akyar B.

Workshop on Algebraic and Applied Topology, İzmir, Turkey, 19 April 2019

VI. **An Aspect of Graph Associahedra via Tubes**

Gürbüzer S. K., Akyar B.

Karatekin Mathematics Days 2014, Çankırı, Turkey, 11 - 13 June 2014

VII. **An Introduction on Graph Associahedra**

Gürbüzer S. K., Akyar B.

26. Ulusal Matematik Sempozyumu, Diyarbakır, Turkey, 4 - 07 September 2013

VIII. **Associahedron and Its Various Truncation**

GÜRBÜZER S. K., AKYAR B.

İzmir Algebraic Geometric Topology Days II, İzmir, Turkey, 9 - 14 January 2011

IX. **Little Cube Operad**

Gürbüzer S. K., Akyar B.

Cebir ve Geometri Toplantıları, İstanbul, Turkey, 06 March 2010

## Supported Projects

Güçlükan İlhan A., Altunbulak M., Sarıoğlu C. C., Gürbüzer S. K., TUBITAK Project, Classification of Small Covers, 2019 - 2022

Akyar Moller B., Gürbüzer S. K., Project Supported by Other Official Institutions, N Categories, 2007 - 2010

## Memberships / Tasks in Scientific Organizations

Türk Matematik Derneği, Member, 2013 - Continues, Turkey

## Metrics

Publication: 15