

Assoc. Prof. ASLI GÜÇLÜKAN İLHAN

Personal Information

Office Phone: [+90 0232 301 8597](tel:+9002323018597)

Email: asli.ilhan@deu.edu.tr

Web: <https://avesis.deu.edu.tr/asli.ilhan>

International Researcher IDs

ScholarID: 6SxAgSgAAAAJ

ORCID: 0000-0003-3659-4771

Publons / Web Of Science ResearcherID: JEP-2058-2023

ScopusID: 55311961300

Yoksis Researcher ID: 40064

Education

Doctorate, Ihsan Dogramaci Bilkent University, Institute Of Engineering And Natural Sciences, Matematik (Dr), Turkey
2006 - 2011

Postgraduate, Ihsan Dogramaci Bilkent University, Institute Of Engineering And Natural Sciences, Matematik (YI) (Tezli),
Turkey 2004 - 2006

Undergraduate, Ihsan Dogramaci Bilkent University, Faculty Of Science, Department Of Mathematics, Turkey 1999 - 2004

Dissertations

Doctorate, Obstructions for constructing G-equivariant fibrations, Ihsan Dogramaci Bilkent University, Mühendislik Ve
Fen Bilimleri Enstitüsü, Matematik (Dr), 2011

Postgraduate, The extension class of a subset complex, Ihsan Dogramaci Bilkent University, Mühendislik Ve Fen Bilimleri
Enstitüsü, Matematik (YI) (Tezli), 2006

Research Areas

Algebraic Topology

Academic Positions

Assistant Professor, Dokuz Eylul University, Fen Fakültesi, Matematik Bölümü, 2016 - Continues

Assistant Professor, Gebze Technical University, Faculty Of Basic Sciences, Department Of Mathematics, 2013 - 2016

Academic and Administrative Experience

Head of Department, Dokuz Eylul University, Fen Fakültesi, Matematik Bölümü, 2022 - Continues

Fakülte Yönetim Kurulu Üyesi, Dokuz Eylul University, Fen Fakültesi, Matematik Bölümü, 2022 - 2022

Fakülte Kurulu Üyesi, Dokuz Eylul University, Fen Fakültesi, Matematik Bölümü, 2020 - 2022

Head of Department, Dokuz Eylul University, Fen Fakültesi, Matematik Bölümü, 2018 - 2021

Courses

Postgraduate

Mathematical Methods, Postgraduate, 2019 - 2020
Algebraic Topology, Postgraduate, 2018 - 2019
Introduction to Homological Algebra 2, Postgraduate, 2013 - 2014

Undergraduate

Basic Algebraic Structures, Undergraduate, 2021 - 2022, 2018 - 2019
Graph Theory, Undergraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020
Fundamentals of Mathematics, Undergraduate, 2021 - 2022
General Topology, Undergraduate, 2021 - 2022, 2017 - 2018
Introduction to Topology, Undergraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2016 - 2017
Technical English I, Undergraduate, 2020 - 2021, 2019 - 2020
Technical English II, Undergraduate, 2019 - 2020
Calculus, Undergraduate, 2018 - 2019
Calculus, Undergraduate, 2018 - 2019
Matematik I, Undergraduate, 2017 - 2018, 2016 - 2017
Matematik II, Undergraduate, 2017 - 2018, 2016 - 2017
Project, Undergraduate, 2017 - 2018
Topology, Undergraduate, 2015 - 2016
Calculus 1, Undergraduate, 2013 - 2014
Algebra 2, Undergraduate, 2013 - 2014
Calculus 1, Undergraduate, 2013 - 2014
Linear Algebra-2, Undergraduate, 2011 - 2012, 2010 - 2011
Linear Algebra 1, Undergraduate, 2011 - 2012

Supervised Theses

Güçlükan İlhan A., Spin yapıya sahip reel bott manifoldlar üzerine, Postgraduate, Ş.KILIÇASLAN(Student), 2023
GÜÇLÜKAN İLHAN A., On real bott manifolds with spin structures, Postgraduate, Ş.KILIÇASLAN(Student), 2023
GÜÇLÜKAN İLHAN A., Simetrik zincir ayrışmaları, Postgraduate, E.CANAN(Student), 2021
GÜÇLÜKAN İLHAN A., Simplekslerin çarpımları üzerindeki dar örtülerin sınıflandırılmaları, Postgraduate, D.ÇİL(Student), 2021
GÜÇLÜKAN İLHAN A., Homotopy colimits of functions with G-actions by natural transformations, Postgraduate, T.YILDIRIM(Student), 2016

Journal articles indexed in 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. **A note on small covers over cubes**
Güçlükan İlhan A.
HACETTEPE JOURNAL OF MATHEMATICS AND STATISTICS, vol.49, no.6, pp.1997-2006, 2020 (SCI-Expanded)
- IV. **A model structure via orbit spaces for equivariant homotopy**
Erdal M. A., Güçlükan İlhan A.

JOURNAL OF HOMOTOPY AND RELATED STRUCTURES, vol.14, no.4, pp.1131-1141, 2019 (SCI-Expanded)

V. **The number of orientable small covers over a product of simplices**

Altunbulak M., Güçlükan İlhan A.

PROCEEDINGS OF THE JAPAN ACADEMY SERIES A-MATHEMATICAL SCIENCES, vol.95, no.1, pp.1-5, 2019 (SCI-Expanded)

VI. **On small covers over a product of simplices**

Altunbulak M., Guclukan Ilhan A.

TURKISH JOURNAL OF MATHEMATICS, vol.42, no.3, pp.1528-1535, 2018 (SCI-Expanded)

VII. **A note on quantizations of Galois extensions**

Güçlükan İlhan A.

JOURNAL OF GEOMETRY AND PHYSICS, vol.86, pp.237-240, 2014 (SCI-Expanded)

VIII. **Obstructions for constructing equivariant fibrations**

Güçlükan İlhan A.

ALGEBRAIC AND GEOMETRIC TOPOLOGY, vol.12, no.3, pp.1313-1330, 2012 (SCI-Expanded)

IX. **THE EULER CLASS OF A SUBSET COMPLEX**

Guclukan A., Yalçın E.

QUARTERLY JOURNAL OF MATHEMATICS, vol.61, no.1, pp.43-68, 2010 (SCI-Expanded)

Papers Presented at Peer-Reviewed Scientific Conferences

I. **Dar Örtüler ve Yönlü Çizgeler**

GÜÇLÜKAN İLHAN A.

Ulusal Matematik Sempozyumu, İstanbul/Çevrimiçi, Turkey, 31 August - 03 September 2021, (Summary Text)

II. **On Small Covers over a Product of Simplices**

GÜÇLÜKAN İLHAN A., ALTUNBULAK M.

IV. Kadın Matematikçiler Derneği Çalıştayı, Ankara, Turkey, 28 April 2017, (Summary Text)

III. **Equivariant Homotopy Diagrams(Applications)**

GÜÇLÜKAN İLHAN A., ÜNLÜ Ö.

Models and Groups, İstanbul 5, İstanbul, Turkey, 8 - 10 October 2015, (Summary Text)

IV. **Simplicial Sets and Model Categories**

GÜÇLÜKAN İLHAN A.

Equivariant Homotopy and Infinity Categories, İstanbul, Turkey, 19 - 21 August 2015, (Summary Text)

V. **Ekuvaryant Homotopi Diyagramları(Engel Teorisi)**

GÜÇLÜKAN İLHAN A., ÜNLÜ Ö.

8. Ankara Matematik Günleri, Ankara, Turkey, 13 - 14 June 2013, (Summary Text)

VI. **Equivariant Homotopy Diagrams(obstruction theory)**

GÜÇLÜKAN İLHAN A., ÜNLÜ Ö.

Young Women in Topology, Bonn, Germany, 7 - 09 June 2013, (Summary Text)

VII. **Obstructions for constructing equivariant fibrations**

Güçlükan İlhan A.

Homotopical approaches to group actions, Kobenhavn, Denmark, 14 - 27 August 2011, (Summary Text)

Funded Projects

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

Güçlükan İlhan A., Altunbulak M., TÜBİTAK Project, Küpler Üzerindeki Dar Örtülerin Homeomorizm Tipleri, 2019 - 2020

Güçlükan İlhan A., Ünlü Ö., TÜBİTAK Project, 117F085 - Eş Özyapı Dönüşüm Grupları, 2017 - 2020

Ünlü Ö., TÜBİTAK Project, 110T712-Sonlu grupların kürelerin çarpımlarına pürüzsüz ve serbest etkileri, 2011 - 2013

Metrics

Publication: 23

Citation (WoS): 6

Citation (Scopus): 7

H-Index (WoS): 2

H-Index (Scopus): 1