

# Saliha Kıvanç

*Curriculum Vitae*

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## CONTACT INFORMATION

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📍 Hacettepe University, Department of Mathematics  
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## PERSONAL INFORMATION

- Citizenship: Turkish
- Languages: Turkish (Native), English (Advanced), Italian (Intermediate), Hungarian (Beginner)

## RESEARCH INTERESTS

- Knot theory
- Knot Floer homology
- Contact topology
- Low dimensional topology
- Mapping class groups

## EDUCATION

- Ph.D. in Mathematics,  
Hacettepe University, Ankara, Türkiye, 2020-2025  
Thesis advisors: Prof. Dr. András Stipsicz  
Prof. Dr. Sinem Onaran  
*'On Legendrian Simplicity of Whiteheadhead Doubles of Knots'*
- Visiting graduate student  
Alfréd Rényi Institute of Mathematics,  
October 2023 - January 2025 & July 2025 - August 2025  
Host: Prof. Dr. András Stipsicz
- M.Sc. in Topology, Mathematics  
Ege University, Izmir, Türkiye, 2017-2020  
Thesis advisor: Prof. Dr. Oya Bedre Özbakır
- B.Sc. in Mathematics, majored in Pure Mathematics  
Ege University, Izmir, Türkiye, 2013-2017
- Prep. English Preparatory Division  
Ege University, Izmir, Türkiye, 2012-2013
- Pedagogical Formation Program  
Dokuz Eylül University, Izmir, Türkiye, 2016-2017

## POSITIONS

- Research Assistant  
*Hacettepe University, Ankara, Türkiye, April, 2019 - present*

## PUBLICATIONS

- Kıvanç, S. Legendrian non-simple Whitehead doubles of the trefoil. Acta Math. Hungar. (2026).

## ASSISTANTSHIPS and OUTREACH

- MATH 121 - 122 Calculus for Statistics department
- MATH 121 - 122 Calculus for Actuarial Science department
- MATH 123 - 124 Calculus for Engineering departments
- MTK 111 - 112 Analysis I - II for Mathematics Department
- Mentor in Direct Reading Program Turkey, 2022

## GRANTS and HONORS

- 1001 TÜBİTAK The Scientific and Technological Research Projects Funding Program, June 2026 - present.  
Role: Researcher  
Project Title: 'Fibrations in Derived Symplectic and Contact Geometries'
- 2214-A TÜBİTAK International Research Fellowship Programme for PhD Students, October 2023- January 2025
- 2211-A TÜBİTAK National PhD Scholarship Programs, 2020 - 2024
- Certificate of honor (B.Sc. in Mathematics), 2017

## TALKS

- MBM\* Istanbul Topology Days: A Conference on Developments in Contact Topology, Mapping Class Groups, and Beyond, May 14-17, 2026  
*Title: 'Legendrian Non-simple Knots: The Case of Whitehead Doubles'*
- XI. Kadın Matematikçiler Derneği Çalıştayı, Bartın University, Bartın, April 25, 2026  
*Title: 'Klasik Değişmezlerin Ötesinde: Legendre Düğümler ve LOSS Değişmezi'*
- Geometric Topology Seminars, Boğaziçi University, İstanbul, Türkiye, March 13, 2026  
*Title: 'Legendrian simplicity through knot Floer homology'*
- METU Geometric Topology Seminars, Middle East Tech. Uni., Ankara, Türkiye, Nov 10, 2025 / Nov 17, 2025  
*Title: 'Knot Floer Homology: A Topological Construction via Heegaard Diagrams II - III'*
- Mapping Class Groups and Beyond Workshop, Middle East Tech. Uni., Ankara, Türkiye, May 14-18, 2025  
*Title: 'Legendrian Non-simple Whitehead Double of the Trefoil'*

- METU General Seminar, Middle East Tech. Uni., Ankara, Türkiye  
May 08, 2025  
*Title: 'Knot Floer Homology: A Topological Construction via Heegaard Diagrams I'*
- 3. Topology Workshop, Türkiye Mathematics Club, Ankara, Türkiye, May 20, 2022  
*Title: 'Basics of Virtual Knot Theory'*
- Graduate Student Seminars II, Hacettepe University, Ankara, Türkiye, May 20, 2022  
*Title: 'Knot Theory: Basics and Beyond'*
- Geometry and Topology Student Seminar, City University of New York, April 13, 2021 / April 20, 2021 / April 27, 2021  
*Title: 'The Jones-Krushkal polynomial for links in thickened surfaces I - II - III'*

**CONFERENCES,  
WORKSHOPS and  
SUMMER SCHOOLS  
ATTENDED**

- LiT II: Lost in Topology, Pisa, Italy, September, 2024
- Conference - New structures in low-dimensional topology, Budapest, Hungary, July 2024
- Summer school - New structures in low-dimensional topology, Budapest, Hungary, July 2024
- Summer school in Mathematics: Low dimensional topology, Institut Fourier Low Dimensional Topology Summer School, Grenoble, France, June 2024
- Scuola Matematica Interuniversitaria, Perugia, Italy, July 18-August 12, 2022
- Tech Topology Summer School on 4-manifolds, Online, July 26-30, 2021, online
- Geometry & Topology Workshop Turkey, Online, November 27, 2020/ January 29, 2021/ March 26, 2021
- N+11th Southern California Topology Colloquium - A special conference in honor of Francis Bonahon and Erica Flapan, Online, March 20, 2021
- Lefschetz Fibrations Day Workshop, Hacettepe University, Ankara, Türkiye, January 10, 2020
- Ankara Mathematics Days, Gazi University, Ankara, Türkiye, 28-29 June, 2019
- 16th International Geometry Symposium, Celal Bayar University, July 4-7, 2018
- 6th Workshop on Rings, Modules and Algebras, Dokuz Eylul University, İzmir, Türkiye, July 3-7, 2017

- 3rd Workshop Association for Turkish Women in Math, Dokuz Eylül University, İzmir, Türkiye, May 27-29, 2016