

# İlayda Barış

## Curriculum Vitae

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### Education

- 2023–present **Ph.D. in Economics**, Sabancı University, Istanbul, Turkey.  
2019–2022 **M.Sc. in Mathematics**, Boğaziçi University, Istanbul, Turkey.
  - Thesis topic: "*Moduli of Hypersurfaces in Toric Varieties*"
  - Thesis supervisors: Craig Van Coevering, Susumu Tanabe2015–2018 **B.Sc. in Mathematics**, Mimar Sinan Fine Arts University, İstanbul, Turkey, graduated with second ranked degree.

### Employment

- 2023–present **Teaching Assistant**, Sabancı University, Economics Department.
  - Assisted *ECON 201- Games and Strategies* and *ECON 204- Microeconomics*Summer 23' **Voluntary TAship**, Nesin Math Village, Conducted problem sessions for high school math program for 5 weeks.  
2022–2023 **Professional Teaching Assistant**, Sabancı University, Foundations Development Directorate.  
2022–2023 **Part-time Instructor**, Özyeğin University, Faculty of Engineering.

### Research Experiences

- 2019–2022 **Researcher**, Galatasaray University, Member of the research and seminar group supervised by Susumu Tanabe, partly supported by TUBITAK grant 116F130.: "*Period integrals associated to algebraic varieties*"  
2016–2018 **Junior researcher**, Mimar Sinan Fine Arts University, Member of the research group, supervised by Mohan Ravichandran, supported by TUBITAK.: "*Geometric questions in Von Neumann algebras*"

### Talks given

- *Various Approaches to Toric Varieties* (a weeklong course), Nesin Math Village, August 2021
- *Lectures on Toric Geometry*, Seminar of Susumu Tanabe, GSU, May 2019- November 2022
- *Quotients in Algebraic Geometry*, BOUN Graduate Seminars, February 2021
- *Down the Dream Universe: on Solovay's Model*, 7th Bahar Math. Meeting, BOUN, Istanbul, February 2020
- *Introduction to Toric Varieties*, Complex Algebraic Geometry Winter School, Nesin Mathematics Village, Sirince/ Izmir, January 2020
- *Topics in Toric Varieties*, BOUN Graduate Seminars III& IV, December 2019
- *Geometry of Matroids*, IMBM GRAPE Meeting, Istanbul, May 2019
- *A Modest Introduction to Algebraic Geometry*, MSGSU Student Seminars, May 2019
- *Zeta Distribution and Prime Divisibility*, IMBM Probability Days, İstanbul, October 2018 & 4th Bahar Math. Meeting, METU, Ankara, October 2018

- *The Longest Common Subsequence Problem*, 3rd Bahar Math. Meeting, GSU, İstanbul, February 2018
- *Matroids and Rota Conjecture*, Nesin Mathematics Village, Sirince/Izmir, July 2017
- *Log Concave Sequences*, 1st Bahar Math. Meeting, MSGSU, İstanbul, March 2017

## ————— Honors & Awards

2019-2020, **Fellowship for Women in Mathematics**, *Turkish Mathematical Society*-  
2020-2021 *Aydın Doğan Foundation*.

- awarded to the best female graduate student in Mathematics in Turkey

2016-2017 **Tosun Terzioğlu Scholarship**, *Turkish Mathematical Society*.

- awarded to the best four undergraduate students in Mathematics in Turkey

## ————— Events co-organized

- **Monodromy and Hypergeometric Functions International Conference**, Galatasaray University, 17-21 February 2020
- **Bahar Mathematics Meetings I, II, III, and IV** at Mimar Sinan, Bilkent, Galatasaray, and Middle East Technical Universities, İstanbul and Ankara, 2017-2018

## ————— Summer & Winter Schools

- **Complex Algebraic Geometry Winter School**, Nesin Mathematics Village, Sirince/Izmir, January 20-February 2, 2020
- **Summer School on Geometric and Algebraic Combinatorics**, Sorbonne Université, Campus Pierre et Marie Curie, Paris, June 17-28, 2019
- **Nesin Mathematics Village Summer & Winter Schools** for Math students, 2015-2022
- Nesin Mathematics Village Summer Schools for High School Students, 2012-2014

## ————— Selected Conferences & Workshops Participated

- *Antalya Algebra Days*, Nesin Mathematics Village, Sirince/ Izmir, May 2023
- *Mini-course on Singularity Theory and Related Topics*, GSU, İstanbul, July 2019
- *Discrete Mathematics Days*, IMBM, Istanbul, October 2018
- *Ankara- Istanbul Algebraic Geometry & Number Theory Meetings*, IMBM, 2017- 2019
- *Weekly Model Theory Meetings*, IMBM, September 2017- January 2018
- *Antalya Algebra Days*, Nesin Mathematics Village, Sirince/ Izmir, June 2017
- *Workshop on Graph Theory*, IMBM, November 2016
- *Models and Groups Conference*, IMBM, October 2016
- *23rd Gökova Geometry Topology Conference*, Gokova/ Mugla, June 2016

## ————— Languages

**Turkish:** Native, **English:** Fluent (IELTS score: 7.5/9, YDS score: 92/100)