ANITA ENIKŐ NAGY

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EDUCATION

Eötvös Loránd University, Budapest, Hungary *September 2024–current*
PhD in Pure Mathematics
Supervisor: Dr. András Némethi

Babeș-Bolyai University, Cluj-Napoca, Romania *October 2022 - September 2024*
MSc in Didactics of Mathematics
Thesis: Application of generating functions in solving counting problems (in Hungarian)
Supervisor: Dr. Andor Lukács

Babeș-Bolyai University, Cluj-Napoca, Romania *October 2022 - July 2024*
MSc in Advanced Mathematics
Thesis: On some invariants of plane curve singularities
Supervisor: Dr. Tamás László

Babeș-Bolyai University, Cluj-Napoca, Romania *October 2019 - July 2022*
BSc is Mathematics and pedagogy module
Thesis: Poincaré series for graphs (in Hungarian)
Supervisor: Dr. Tamás László

Baróti Szabó Dávid High School, Baraolt, Romania *September 2015 - July 2019*

RESEARCH AND TEACHING EXPERIENTS

HUN-REN Alfréd Rényi Institute of Mathematics, Budapest, Hungary *February 2025–current*
Research: *assistant research fellow*

Eötvös Loránd University, Budapest, Hungary *February 2025-June 2025*
Teaching: *Geometric transformations practical class (in Hungarian), lecturer: Dr. Szilárd Szabó*

LANGUAGE SKILLS

Mother tongue(s): Hungarian

| **Other language(s):** | **Romanian:** | advanced |
| | **English:** | advanced |

CONFERENCES AND SEMINARS

- **Moduli, Hilbert Schemes and Singularities Conference**
  Babeș-Bolyai University, Cluj-Napoca, Romania, 7 - 12 September 2025

- **Topology and Algebra of Singularities and their Applications Research School**
  Ovidius University, Constanța, Romania, 9-13 September 2024

- **Márton Áron Scholarship Closing Conference**
  Cluj-Napoca, Romania, 26 June 26 2024
  Polar Invariants of Plane Curve Singularities and Lattice Cohomology (in Hungarian)
  Supervisor: Dr. Tamás László

- **1st Budapest - Cluj Meeting in Singularities and Beyond**
  Babeș-Bolyai University, Cluj-Napoca, Romania, 31 Octóber - 2 November 2023

- **XXXVI. National Scientific Students' Associations Conference (Országos Tudományos Diákköri Konferencia)**
  Section of Earth Science, Physics and Mathematics
  University of Pannonia, Veszprém, Hungary, 11-13 April 2023
  Title of the Thesis: Poincaré series for graphs
  Supervisor: Dr. Tamás László

- **Winter School in singularities and low-dimensional topology**
  Alfréd Rényi Institute of Mathematics, Budapest, Hungary, 20-27 January 2023

- **XXV. Transylvanian Scientific Students' Associations Conference (Erdélyi Tudományos Diákköri Konferencia) – 2nd Prize**
  Section of Mathematics and Informatics
  Cluj-Napoca, Romania, 19-22 May, 2022
  Title of the thesis: Poincaré series for graphs
  Supervisor: Dr. Tamás László

HONORUS AND AWARDS

- **Balassi Bálint Scholarship Program – Márton Áron Talent Development Scholarship**
  Ministry of Foreign Affairs and Trade of Hungary, 26 February 2024 - 31 July 2024

- **Erasmus+ mobility scholarship**
  Budapest University of Technology and Economics, Budapest, September 2023 - January 2024

- **Performance and Emeritus Scholarship (Bursă de performanță și merit)**
  Babeș-Bolyai University, Cluj-Napoca, October 2019– February 2023

RESEARCH AND SCIENTIFIC PAPERS

- **Research interests:** Poincaré series for graphs, algebraic curves, singularities of algebraic curves and hypersurfaces, lattice cohomology

- **Scientific papers, preprints:**

  1. Poincaré series for weighted trees (scientific paper to preparation) - common work with Tamás László

August 21, 2025   Nagy Anita-Enikő
Budapest