

# Lina Maria Simbaqueba M.

---

## Education.

2023-2025	<b>Ms, Mathematics</b> , University of Victoria.
2018-2022	<b>Bs, Mathematics</b> , Universidad Nacional de Colombia.

## Employment.

2023-2025	<b>Teaching Assistant</b> , University of Victoria.
2022-2022	<b>Research Assistant</b> , Universidad Nacional de Colombia.
2022-2022	<b>Research Assistant</b> , University of Victoria – Mitacs Globalink.
2021-2021	<b>Teaching Assistant</b> , Universidad Nacional de Colombia.

## Publications and Preprints.

2024	J. Noel, A. Ranganathan, L.M. Simbaqueba, Forcing Quasirandomness in a Regular Tournament, submitted.
2024	J.-L. Baril, D. Colmenares, J. Ramirez, D. Silva, L.M. Simbaqueba, D. Toquica, Consecutive pattern-avoidance in Catalan words according to the last symbol, RAIRO-Theoretical Informatics and Applications, 58 (2024).
2024	R. Flórez, J. González, M. Matijasevick, C. Pardo, L.M. Simbaqueba, and F. Velandia, Lattice paths in corridors and cyclic corridors, Contributions to discrete mathematics, 19 (2), (2024), 35-55.
2023	B. Natalie, C. Gabriel, J. Noel, L. M. Simbaqueba, Sidorenko-Type Inequalities for Pairs of Trees, submitted.
2022	J.-L. Baril, J.-L. Ramirez, L.-M. Simbaqueba, Equivalence classes of skew Dyck paths Modulo some patterns, Accepted in Integers: Electronic Journal of Combinatorial Number Theory, 2022.
2021	J.-L. Baril, J.-L. Ramirez, L.-M. Simbaqueba, Counting prefixes of skew Dyck paths, Journal of Integer Sequences, 2021, Vol. 24, Article 21.8.2.

## Talks.

2020	VI Regional Conference of Number Theory, Universidad del Cauca.
2020	Meeting of Math Students, Universidad de Antioquia.
2022	Seminario Sabanero de Combinatoria, Universidad Javeriana.
2022	XI Simposio Nororiental de Matemáticas, Universidad Industrial de Santander.
2024	Discrete Mathematics Days, DMD 2024, Alcalá de Henares.
2024	Summit280, Budapest.
2025	CanaDAM 2025, Ottawa.

## Teaching and Tutoring.

2022-2023	<b>Círculos Matemáticos</b> , Sociedad Colombiana de Matemáticas. This program seeks to promote interest in mathematics to high school students.
2020-2021	<b>Volunteer in TRAUM</b> . This program promotes equality through accessible education for Colombian teenagers.
2021-2022	First-year <b>mathematics courses</b> , Universidad Nacional de Colombia.

## Honors and Awards.

2019	Undergraduate degree payment exemption.
2023	Best Undergraduate Thesis Award.

## Extracurricular Courses.

- Combinatorics I by Dr. Robert Morris at IMPA Brasil.
- Algorithmic Toolbox by the University of California, San Diego on the Coursera platform.

## References.

- **José Luis Ramírez** (supervisor), jlramirezr@unal.edu.co, Universidad Nacional de Colombia.
- **Jonathan Noel** (supervisor), noelj@uvic.ca, University of Victoria.