

SIVA SANKAR NAIR

DÉPARTEMENT DE MATHÉMATIQUES ET DE STATISTIQUE, UNIVERSITÉ DE MONTRÉAL

sivasankar.nair@gmail.com ☎ <https://scnair23.github.io/> ☎ +1-778-980-1339

EDUCATION

Université de Montréal

Ph.D in Mathematics

2019 till date

University of British Columbia, Vancouver

M.Sc. in Mathematics

2017 - 2019

Indian Institute of Technology, Kanpur

B.Sc. in Mathematics and Scientific Computing

2013 - 2017

PUBLICATIONS AND PREPRINTS

- Joint with Matilde N. Lalín and Subham Roy, The Mahler measure of an n -variable family with non-linear degree, [\[preprint\]](#) (2023).
- The Mahler measure of a family of polynomials with arbitrarily many variables, [\[preprint\]](#) (2023).
- Joint with Matilde N. Lalín, An invariant property of Mahler measure. *Bulletin of the London Mathematical Society*, **55** (2023), no. 3, pp. 1129-1142 [\[online\]](#)
- Joint with Vincent Girard and Matilde N. Lalín, Families of non- θ -congruent numbers with arbitrarily many prime factors. *Colloq. Math.* **152** (2018), no. 2, pp. 255-271 [\[pdf\]](#).

RESEARCH TALKS

Presented my research at the following conferences, among others:

- Mahler Measure of Polynomials October 2023, Netherlands
- Canadian Mathematical Society, Winter meeting 2022,2023, Canada
- Québec-Maine Number Theory Conference 2021 (online), 2022 (Canada), 2023 (USA)
- Department Colloquium, Indian Institute of Technology Kanpur July 2022, India

WORK EXPERIENCE

Worked as a teaching assistant at the Université de Montréal and University of British Columbia for the following courses – Linear Programming, Multivariable Calculus, Matrix Algebra, Elementary Number theory.

ACADEMIC ACHIEVEMENTS

- Recipient of **Bourse Banque Nationale**, awarded to students with top academic profiles (2023)
- Recipient of the **Bourses pour thésards étoiles** awarded to PhD students with an excellent academic profile completing their last calendar year of studies (Fall 2023).
- Recipient of the **Bourse de fin d'études doctorales** awarded to students completing their final year of PhD studies (2023-24)
- Recipient of the **Bourse de l'ISM** awarded to students with an excellent academic profile (2020-22).
- Recipient of the **Globalink Graduate Fellowship** awarded by **MITACS, Canada**
- Recipient of the prestigious **Globalink Summer Research Internship Award** conferred by **MITACS, Canada** to outstanding undergraduate students from across the world to pursue a 12-week fully funded research internship at a Canadian University (2016).
- Recipient of the **Innovation in Science Pursuit for Inspired Research (INSPIRE) Scholarship** awarded by the Department of Science and Technology, Government of India (2014-2017)
- Secured **All India Rank 2837** in IITJEE-Advanced 2013 among 200,000 students.
- Secured **All India Rank 1529** in JEE (Mains) 2013 among 1.65 million students.
- Awarded **Gold Medal** in the **National Mathematics Olympiad Contest 2010**, conducted by All India Schools Mathematics Teachers Association
- Participated in many Science and Math Olympiads and earned certificates for distinctive performance

TECHNICAL SKILLS

- **Programming Languages:** C, C++, \LaTeX , Mathematica, Python, SageMath, Java, HTML.
- Experience in competitive programming and regular participant in programming contests while an undergraduate student.