

BIOGRAPHICAL SKETCH

Miraj Chamara Samarakkody

(a) Professional Preparation

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| University of Peradeniya, Sri Lanka | Mathematics | B.Sc. (Honors), 2018 |
| Texas Tech University, TX | Mathematics | Ph.D., 2025 |

(b) Appointments

Assistant Professor 2025–Present
Department of Mathematics and Computer Science, Tougaloo College, MS

Research Mentor Summer 2025
Virtual Math Circle, Department of Mathematics, Louisiana State University

Graduate Part-Time Instructor Fall 2024
Department of Mathematics & Statistics, Texas Tech University, TX

Research Assistant 2022–2024
Department of Mathematics & Statistics, Texas Tech University, TX

Graduate Teaching Assistant Fall 2021
Department of Mathematics & Statistics, Texas Tech University, TX

Lecturer 2019–2021
Department of Mathematics, University of Moratuwa, Sri Lanka

(c) Products

(i) Products Most Closely Related to the Proposed Project

1. A. Pámpano, **M. Samarakkody**, H. Tran, “Closed p -Elastic Curves in Spheres of \mathbb{L}^3 ,” *Journal of Mathematical Analysis and Applications*, 542(2):129147, 2025.
2. S.R.S.M.C. Samarakkody, P.G.R.S. Ranasinghe, A.A.S. Perera, “Geometric Behavior of a Certain Class of Quotients of Finite Blaschke Products,” *Proceedings of the International Conference on Mathematics and Mathematics Education (ICMME)*, Post Graduate Institute of Science, University of Peradeniya, Vol. 1, 2019.

(ii) Other Significant Products

Not applicable.

(d) Synergistic Activities

1. **Research Mentorship:** Serving as Research Mentor for the Virtual Math Circle at Louisiana State University (Summer 2025), guiding students in mathematical research and problem-solving.
2. **Grant Leadership:** Principal Investigator on the SCALE Program (Partnership with Purdue University), “Microelectronic Workforce Development Project for Radiation-Hardening,”

funded at \$73,094.77.

3. **Institutional Service:** Member of the Commission on Animal Care – Institutional Review Board (IRB) at Tougaloo College (2025–2026), contributing to ethical oversight of research activities.
4. **K-12 Outreach:** Mentor for Math Circle at Texas Tech University (2023–2024), developing and delivering mathematical enrichment activities for middle and high school students to foster interest in mathematics.
5. **Academic Community Engagement:** Judge for the Kincheloe Research Symposium at Tougaloo College and the Art & Humanities Conference 2023 at Texas Tech University; Counselor for the Summer Chess Camp 2024 at Texas Tech University, promoting academic excellence and student development.