

## BIOGRAPHICAL SKETCH

**Miraj Chamara Samarakkody**

### **(a) Professional Preparation**

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

### **(b) Appointments**

<b>Assistant Professor</b>	2025–Present
Department of Mathematics and Computer Science, Tougaloo College, MS	
<b>Research Mentor</b>	Summer 2025
Virtual Math Circle, Department of Mathematics, Louisiana State University	
<b>Graduate Part-Time Instructor</b>	Fall 2024
Department of Mathematics & Statistics, Texas Tech University, TX	
<b>Research Assistant</b>	2022–2024
Department of Mathematics & Statistics, Texas Tech University, TX	
<b>Graduate Teaching Assistant</b>	Fall 2021
Department of Mathematics & Statistics, Texas Tech University, TX	
<b>Lecturer</b>	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.