AZHAGENDRAN R M.Sc., M.PHIL.,

Assistant Professor of Mathematics,
Department of Science and Humanities,
University College of Engineering Ariyalur,
Ariyalur – 621 731.

(+91) 8973602945
azhaguraja@uce.annauniv.edu

EDUCATION

National Institute of Technology Tiruchirappalli — Tamil Nadu, India
Ph.D., Mathematics — 2021 - present
- Research areas: Matrix analysis, Spectral graph theory
- Dissertation title: Distance Matrices and Distance-based Topological Indices of Graphs (Thesis Submitted).

Bharathidasan University Tiruchirappalli — Tamil Nadu, India
M.Phil., Mathematics — 2019 - 2021
- Dissertation title: A Study on Fixed Point Theorems and Best Proximity Point Theorems for Non-Self Mappings
- CGPA: 9.33/10.00.

Bharathidasan University Tiruchirappalli — Tamil Nadu, India
M.Sc., Mathematics — 2017 - 2019
- CGPA: 8.42/10.00.

Bharathidasan University Model College Vedaranyam — Tamil Nadu, India
B.Sc., Mathematics — 2014 - 2017
- CGPA: 8.43/10.00.

RESEARCH ARTICLES

1. **R Azhagendran**, T Divyadevi, and I Jeyaraman. On the eccentric distance sums of trees with fixed number of pendant paths. *Bulletin of the Malaysian Mathematical Sciences Society*, vol: 49: 22, 2026.
2. I Jeyaraman, and **R Azhagendran**. On Singular Distance Matrices of Unicyclic Graphs. *Electronic Journal of Linear Algebra*, vol: 41, pp. 463-479, 2025.
3. I Jeyaraman, T Divyadevi, and **R Azhagendran**. The Moore-Penrose Inverse of the Distance Matrix of a Helm Graph. *Electronic Journal of Linear Algebra*, vol: 39, pp. 94-109, 2023.

AWARDS AND ACHIEVEMENTS

1. Qualified **TNSET** (**Mathematical Sciences**) — 2024
   SET score 220.
2. Qualified **GATE** (**MA**) — 2020
   Gate score 341 & All India Rank 444.
3. Qualified **CSIR-NET** (**Mathematical Sciences**)
   NET score 104 & All India Rank 141 (JRF), — 2020
   NET score 88 & All India Rank 83 (Lectureship). — 2019

FELLOWSHIPS RECEIVED

1. **Senior Research Fellow**, University Grants Commission, India. — Aug. 2023 - Nov. 2025
2. **Junior Research Fellow**, University Grants Commission, India. — Aug. 2021 - Aug. 2023

PROGRAMMING SKILLS

LaTeX, SageMath

Conferences/Workshops/FDPs Attended

GIAN course on "Spectral Graph Theory" 27–31 Oct. 2025
Department of Mathematics, Indian Institute of Technology Hyderabad.

"National Workshop on Algebra and Analysis" 16–20 Dec. 2024
Department of Mathematics, National Institute of Technology Tiruchirappalli.

Faculty Development Programme on "Advances in Graph Theory and Linear Algebra" 1-5 Oct. 2024
Department of Mathematics, School of Advanced Sciences (SAS), VIT-AP University, India.

"MINDS'24" a webinar series Aug. 2024
Department of Computational Sciences and Humanities, IIIT Kottayam.

"International Conference on Recent Advances in Mathematics and Data Science" 27-28 Jun. 2024
Department of Mathematics, Bioinformatics and Computer Applications, Maulana Azad National Institute of Technology, Bhopal.

International Workshop on "Advancements in Graph Theory" 1-2 Feb. 2024
Vellore Institute of Technology, Chennai.

Five days "National Workshop on Algebra and Analysis" 22–26 May 2023
Department of Mathematics, National Institute of Technology Tiruchirappalli.

Teacher Enrichment Workshop on "Linear Algebra and Discrete Mathematics" 23–28 Jan. 2023
The Institute of Mathematical Sciences Chennai.

"International Conference on Mathematical Analysis and Applications" 15–17 Dec. 2022
Department of Mathematics, National Institute of Technology Tiruchirappalli.

Level II of "Mathematics Training and Talent Search Programme (MTTS)" 21 May- 16 Jun. 2018
SSN College of Engineering, Chennai, funded by NBHM.