

FACULTY PROFILE

Name: Sr. ANTHONI AMALI A

Designation: Assistant Professor

Qualification: M.Sc., B.Ed., M.Phil., (Ph.D.)

Mobile number: 9080292347

5. E-mail id: anthoniamaliasir@gmail.com

6. Teaching Experience: Hr. Sec. School PG. Asst. – 10 years and Assistant Professor -2 years

7. Area of specialization: Fuzzy Graph Theory

8. Positions Held in Auxilium: Assistant Professor, Mentor and Hostel staff Dean.

9. No. of Papers Published/Accepted/Communicated: 7

10. No. of Papers Presented in the National/ International/ Seminars/ Workshops/ Conferences: 5

11. No. of Online Courses completed: 3

Current Responsibilities:

1. Mentor and tutor for II B. Sc. Mathematics.
2. Hostel Staff Dean.

Projects Completed / Ongoing:

Title of the Project	Name of the Funding Agency	Duration	Remarks
Seed Money Project for Alternate Quadra Sub – Merging Polar Fuzzy Soft Graph and its Mathematical Implementations.	Auxilium College (Autonomous), Vellore	2 Yrs	Ongoing

Conferences:

1. Participated and presented a paper in International Conference on Mathematical Techniques and Applications(e-ICMTA-2022) SRM- Kattankulathur. Tamil Nadu on March 23rd to 25th 2022.
2. Participated and presented a paper at the International Conference on Recent Developments in Mathematics. (ICRDM-2022) Canadian University Dubai, UAE. Tamil Nadu on August 24th to 26th 2022.

3. Participated & presented a paper in State Level Intercollegiate Paper Presentation Organizes by Research Ethics Publication and IPR Committee Auxilium College, Vellore – 6 on October 20th – 2022.
4. Participated & presented a paper in International Conference on Graphs, Networks and Combinatorics (ICGNC 2023). Organized by the Department of Mathematics, Ramanujan College, University of Delhi. From February 13th to 16th January 2023.
5. Participated & presented a paper in International Conference on Mathematical Sciences and Applications (ICMA 2023). Organized by the Department of Mathematics, Sacred Heart College (Autonomous), Tirupattur – 635601. On March 24th to 25th 2023.
6. Participated in National Orientation Program for Ph. D Scholars conducted. By Thiruvalluvar University from July 27th to 28th 2023.

PUBLICATIONS

Publications in Journals

1. Anthoni Amali A. and J. Jesintha Rosline, "Oscillating Polar Fuzzy Graph (OPFG) and its applications" *AIP Conference Proceedings* 2842, 0094-243X (P) 1551-7616 (O), 2023, pp. 1-18.
2. Anthoni Amali A. and J. Jesintha Rosline, "Alternate Quadra Sub - Merging Polar Fuzzy Soft Graph and its Application", *Reliability: Theory & Applications*, ISSN 1932-2321, 2023, Vol. 18, Issue 3(74), pp. 97 – 112.
3. Anthoni Amali A. and J. Jesintha Rosline, "Operations on Alternate Quadra – Submerging Polar (AQSP) Fuzzy Graphs and its Applications", *Trends in Mathematics (Springer)*, ISSN 2297-0215 (P), 2023, Accepted for Publication.

Publications in Proceedings

1. Anthoni Amali A and J. Jesintha Rosline, Matrix Representation of Alternate Quadra Sub - merge Polar Fuzzy Graph (AQSP) And its Application, Scientific Reports. (Comminicated: Indexed in SCI, Scopus, and Web of Science)

2. Anthoni Amali A and J. Jesintha Rosline, Alternate Quadra Submerging Polar Fuzzy Graph and Their Implications for COVID-19 Booster Shots, Journal of Mathematics. (Communicated: Indexed in SCI, Scopus, and Web of Science)

5. Anthoni Amali A and J. Jesintha Rosline, Regularity of Alternate Quadra Submerging Polar Fuzzy Soft Graph and its Application, Reliability: Theory & Applications (Accepted online: Indexed in Scopus)

6. Anthoni Amali A and J. Jesintha Rosline, Augmentation on Alternative Quadra Submerging Polar (AQSP) Fuzzy Graph and its Application, Tuijin Jishu/ Journal of Propulsion Technology. (Accepted: Indexed in Scopus)