

FACULTY PROFILE – Dr. Sandhiya V.

1. Name	: Dr. Sandhiya V.
2. Designation	: Assistant Professor
3. Qualification	: M. Sc., M. Phil., PGDCA, Ph.D.
4. Mobile number	: 9585457692
5. E-mail id	: sandhiyamat@auxiliumcollege.edu.in
6. Teaching Experience	: 2 years
7. Area of specialization	: Graph theory, Group theory, Algebra, Algebraic Graph theory, Fluid Dynamics, Differential Equations.

8. Positions Held in Auxilium :

- In Charge of PG Mathematics Association (2025-2026)
- In Charge of PG Mathematics Association (2026-2027)
- Coordinator of Value Added Course (Applications of Data Analytics, Odd Semester 2025-2026)
- Mentor for the students of M.Sc. Mathematics

9. Research Experience and Guidance :

- Teaching Cum Research Assistant (3 years)

10. No. of Papers Published : 3

11. No. of Papers Presented in the National/ International/ Seminars/ Workshops/ Conferences: 2

12. No. of Seminars/Workshops/Conferences organized : 6

13. Honors & awards received (Descriptive) : 3

- First Rank Holder in M.Sc. Mathematics (2018), Thiruvalluvar University, Vellore.
- Raman Research Award in Vellore Institute of Technology, Vellore (2023 & 2024)

14. No. of Online Courses completed (Minimum of 4 Weeks) : 1

- NPTEL Course – Graph Theory (8 Weeks)

15. Any Other (Descriptive):

- Served as a P.G. Assistant (Mathematics) (2019 – 2020) at St. Mary's Girls' Higher Secondary School, Vellore.

PUBLICATIONS

Publications in Journals

- Sandhiya V., Nalliah M., “Local total anti-magic chromatic number of graphs”, Heliyon, (2023), Vol. 9, Issue 2, pp: 1-11, <https://doi.org/10.1016/j.heliyon.2023.e17761>. (IF- 3.6).
- Sandhiya V., Nalliah M. C., “Local Total Antimagic Chromatic Number for the Disjoint Union of Star Graphs”, European Journal of Pure and Applied Mathematics, (2024), Vol. 17, Issue 4, pp: 2828-2842, <https://doi.org/10.29020/nybg.ejpam.v17i4.5383>. (IF – 1).

Publications in Proceedings

- Sandhiya V., Nalliah M., “Zero divisor index of small order graphs”, AIP Conference Proceedings, (2023), Vol. 2852, No. 1. <https://doi.org/10.1063/5.0164635>. AIP Publishing. (Scopus indexed).

FDPs/ Seminars/ Workshops/Webinars

- Attended the Building Teaching Capacity Programme for faculty members on the topic “Strategies for Success” during 17.07.2025 – 18.07.2025 in Auxilium College, Autonomous.
- Attended the Capacity Building Programme for faculty members on the topic “Personalizing Education: Assessing Learner Types in Higher Education” on 26.09.2025, organized by IQAC in Auxilium College, Autonomous.
- Attended the Capacity Building Programme for faculty members on the topic “English for Effective Teaching” from 11.05.2026 to 23.05.2026, organized by Auxilium College, Autonomous.
- Participated in “International Workshop on Graph Coloring, Labeling: Algorithms and Applications (IWGCLAA-2026)” through Online Mode on 29th June 2026, organized by the Department of Information Security, School of Computer Science and Engineering, Vellore Institute of Technology (Deemed to be University), Vellore – 632014, Tamil Nadu, India.
- Participated in a Six-Day International Faculty Development Programme (FDP) “Next- Generation Mathematical Sciences through Artificial Intelligence” from 29th June 2026 to 4th July 2026, organized by the Department of Mathematics, New Prince Shri Bhavani College of Engineering & Technology, Chennai 600 073.