

Name : Dr. M. Mahiba
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➤ **EDUCATIONAL QUALIFICATION**

Degree	Subject	Name of the College	University	Year of Passing	Class
Ph.D	Mathematics	Nesamony Memorial Christian College	Manonmaniam Sundaranar University	2024	-
M.Phil	Mathematics	S. T. Hindu College	Manonmaniam Sundaranar University	2020	First Class
M.Sc	Mathematics	Lady Doak College	Madurai Kamaraj University	2019	First Class
B.Sc (Special)	Mathematics	Lady Doak College	Madurai Kamaraj University	2017	First Class with Distinction

➤ **TEACHING EXPERIENCE**

Designation	Institution	Period from	Period to
Assistant Professor	St. Alphonsa college of Arts and Science	16-06-2023	10-06-2025
Assistant Professor	Lady Doak College	18-06-2025	Till date

➤ **RESEARCH PROFILE**

Area of Specialization : Graph Theory

Research Title : Steiner Decomposition of Graphs

Research Guide : Dr. E. Ebin Raja Merly,
Associate Professor & Head,
Department of Mathematics,
Nesamony Memorial Christian College, Marthandam.

➤ **JOURNAL PUBLICATIONS**

S.No	Year	Paper Title	Journal Title & Indexation	Volume	Page No
1	2020	Interior Bias Odd Domination of a Graph	Global Journal of Pure and Applied Mathematics	16	481-494
2	2021	Steiner Decomposition Number of Graphs	Malaya Journal of Matematik (UGC Care Group I)	Special Issue	560-563
3	2021	Steiner Decomposition Number of Complete n –Sun Graph	Journal of Physics: Conference Series (SCOPUS)	1947	012002(1-6)
4	2022	Total Steiner Decomposition Number of Graphs	South East Asian Journal of Mathematics and Mathematical Sciences (SCOPUS)	21	137-152
5	2022	Steiner Domination Decomposition Number of Graphs	Ratio Mathematica (UGC Care Group I)	44	100-106
6	2023	Some Results on Steiner Decomposition Number of Graphs	Kuwait Journal of Science (SCI)	50	83-97

➤ **BOOK CHAPTER PUBLICATION**

S.No	Year	Chapter title	Book	Publisher	ISBN
1	2024	An Improved Upper Bound for Steiner Decomposition Number	Mathematics and Computer Science: Contemporary Developments	BP International	978-93-48388-06-3

➤ **PAPERS PRESENTED**

S.No	Year	Title	Seminar/Conference	Organized by
1	2023	Steiner Decomposition Number of Lexicographic Product of Some Graphs	Nationl Seminar on Current Trends in Literary and Mathematical Studies	Nagarkovil Postgraduate Extension Centre Manonmaniam Sundaranar University in coordination with Kanniyakumari Academy of Arts and Sciences (KAAS)
2	2023	Total Steiner Decomposition Number of Some Graphs	Nationl Seminar on Current Trends in Literary and Mathematical Studies	Nagarkovil Postgraduate Extension Centre Manonmaniam Sundaranar University in coordination with Kanniyakumari Academy of Arts and Sciences (KAAS)
3	2023	Steiner Decomposition Number of Some Power of Path Graphs	National Conference on Recent Trends in Algebra & Graph Theory	Department of Mathematics, Nanjil Catholic College of Arts and Science

➤ **Seminars, Conferences, Symposium, Workshop, etc., attended:**

1. Seminar on Abstract Mathematics held on 3rd March 2021 organized by the Research Department of Mathematics, Scott Christian College, Nagercoil.
2. Second International Conference on Applied Mathematics and Intellectual Property Rights (ICAMIPR2-2021) held on 9th and 10th March 2021 organized by the PG & Research Department of Mathematics, A.P.C. Mahalaxmi College for Women, Thoothukudi.
3. Second International Conference on Mathematical Techniques and Applications (e-ICMTA-2021) held from 24th to 26th March 2021 organized by the Department of Mathematics, SRM Institute of Science and Technology, Kattankulathur.
4. National Webinar on Graphs from Algebraic Structures held on 27th March 2021 organized by the PG & Research Department of Mathematics, Dwaraka Doss Goverdhan Doss Vaishnav College, Chennai.
5. International Conference on Recent Advancements in Mathematics (ICRAM2021) held on 9th and 10th April 2021 organized by the PG and Research Department of Mathematics, Sacred Heart College, Tirupattur.
6. One week International Workshop on How to Write a Quality Research Article held from 24th to 30th May 2021 jointly organized by Sri Vidya Mandir Arts & Science College Uthangarai, Christ University Bengaluru and Jyothi Engineering College Thrissur.
7. State-Level Webinar on Graphs from Algebraic Structures and its Applications held on 22nd June 2021 organized by the Department of Mathematics (Aided), Sadakathullah Appa College, Tirunelveli.
8. Two-day online Workshop on Hands on Training in LaTeX held on 24th and 25th June 2021 organized by the Department of Mathematics, Sri Shakthi Institute of Engineering and Technology, Coimbatore.
9. International Webinar on Effective Research Writing and Scholarly Publishing under UGC STRIDE Scheme held on 19th and 20th August 2021 organized by V.O.Chidambaram College, Thoothukudi.
10. National Conference on Recent Concepts in Algebraic Graph Theory (NCAGT 2021) held on 4th October 2021 organized by the Department of Mathematics, Nanjil Catholic College of Arts and Science, Kaliyakkavilai.
11. International Seminar on Recent Trends in Mathematics and its Applications held on 16th October 2021 organized by the Department of Mathematics, St.Jude's College, Thoothoor.
12. Two day International Conference on Recent Trends in Pure and Applied Mathematics (RETRIM'21) held on 28th and 29th October 2021 organized by the Department of Mathematics, Sarah Tucker College (Autonomous), Tirunelveli.
13. International E-Conference on Modern Mathematical Methods and High Performance Computing in Science and Technology (ICMMMPCST2021) held on 2nd and 3rd November 2021 jointly organized by the Department of Mathematics and Information Technology, Sri Sarada College for Women (Autonomous), Ariyakulam, Tirunelveli.
14. Five days' International Faculty Development Program on Writing and Publishing Research Papers in Scopus/Web of Science Journals held from 22nd to 26th November 2021 organized by St.Joseph College of Arts and Science (Autonomous), Cuddalore.
15. International Conference on Recent Trends in Theoretical and Computational Mathematics (Virtual Mode) held on 24th and 25th February 2022 organized by Department of Mathematics, PSGR Krishnammal College for Women, Coimbatore.
16. One day National Webinar titled Pathways to develop Research Skills in Mathematics held on 5th March 2022 organized by Department of Mathematics, SIES College of Arts, Science and Commerce (Autonomous), Sion(W) under the aegis of Rashtriya Uchchar Shiksha Abhiyan, Ministry of Human Resource Development, Department of Higher Education.

17. Rev.Dr.A.Albert Muthumalai SJ Endowment International Conference on Mathematical Sciences & Applications (Virtual) ICMSA 2022 held from 9th to 11th March 2022 organized by Department of Mathematics, St.Joseph's College (Autonomous), Tiruchirapalli.
18. International Conference on Advance Science in Engineering (ICASE 2022) held on 24th and 25th March 2022 organized by A.P.C.Mahalaxmi College for Women, Thoothukudi.
19. International Conference on Advances in Mathematics & Computer Engineering —2022 held from 19th to 21st May 2022 organized by Nesamony Memorial Christian College, Marthandam in Collaboration with IMRF Institute of Higher Education & Research, India.
20. A two day International Conference on Applied Mathematical Sciences-ICAMS2022 held during 21st and 22nd December 2022 organized by Department of Mathematics, J.J. College of Arts and Science (Autonomous), Pudukkottai.
21. National Seminar on Current Trends in Literary & Mathematical Studies held on 24th January 2023 organized by Manonmanium Sundaranar University Postgraduate Extension Centre, Nagarkovil in association with Kanniyakumari Academy of Arts and Sciences (KAAS).
22. National Conference on Recent Trends in Algebra and Graph Theory held on 17th February 2023 organized by Department of Mathematics, Nanjil Catholic College of Arts and Science, Kaliyakkavilai.
23. National Conference on Algebraic Graph Theory, Graph Theory and Analysis held during 23rd and 24th February 2023 organized by Department of Mathematics, Manonmanium Sundaranar University, Tirunelveli.
24. National Seminar on Recent Trends in Algebraic Graph Theory and Topology (NSRTAGT-23) held on 27th March 2023 organized by the Department of Mathematics (Self-Finance Stream), Pioneer Kumaraswamy College, Nagercoil.
25. One week virtual Faculty Development Program on “SageMath” held from 26th to 30th June 2023 conducted by Department of Mathematics, KG College of Arts and Science, Coimbatore.
26. National Seminar on Fixed Point Theory and Inter-Collegiate Competitions SACMATH 2K25 held on 25th February 2025 organized by Department of Mathematics, St.Alphonsa College of Arts and Science, Soosaipuram, Karinkal.
27. New Faculty Workshop on ‘Being an Effective Teacher’ held on 19th and 20th June 2025 organized by Centre for Human Resource Development, Lady Doak College.
28. Online Workshop on “AI Tools for Teaching and Research” held on 21st June 2025 organized by Centre for Human Resource Development, Lady Doak College.

➤ **ORGANIZER**

Organising Secretary of National Seminar on Recent Trends in Applied Mathematics and Inter-Collegiate Competitions SACMATH 2K24 held on 13th February 2024 organized by the Department of Mathematics, St. Alphonsa College of Arts and Science, Soosaipuram, Karinkal.

➤ **RESOURCE PERSON**

Resource Person for One Day Workshop on Math Typing Tools held on 18th January 2024 organized by IQAC and Department of Mathematics, St. Alphonsa College of Arts and Science, Karinkal.

➤ **COMMITTEES SERVED (COLLEGE LEVEL)**

- ❖ 2023-2024 (St. Alphonsa College of Arts and Science)
IQAC Core Team Criterion IV Incharge
- ❖ 2024-2025 (St. Alphonsa College of Arts and Science)
IQAC Core Team Criterion VI Incharge