PROFILE

Name   :   Dr. Sr. S. Kither iammal

Designation   :   Assistant Professor

Department   :   Mathematics

Date of Birth   :   02.06.1986

Date of Appointment : 01. 07. 2025

Date of Retirement   : 2. 07. 2046

ACADEMIC

DEGREE	UNIVERSITY/INSTITUTION	YEAR OF
B.Sc.	Bon secourse college for women, Thanjavur.	April, 2013
M.Sc.	St. Xavior's College(Autonomous), Palayamkottai.	April, 2016
M.Phil.	Jayaraj Annapackiam College for	June, 2017
P.hd	Manonmaniam Sundaranar University	April, 2024

Total Experience   **:** 1 year in college, 4 years in the school

Area of Specialization/Interest   **:** Graph Theory**,** Soft Topology

Academic Affiliation   **:** Nil

Research Publications   **:** 27

International Publications   **: 12**

1. Lourdusamy, A., Kither iammal, S., & Dhivviyanandam, I, `T- pebbling number and 2t-pebbling property for book graphs' AIP Conference Proceedings 2649, 030033 (2023). (Scopus).

2. Lourdusamy, A., Kither iammal,S., & Dhivviyanandam, I, `Detour pebbling number on some commutative ring graphs', Communications in Mathematics and Applications, ISSN 0975-8607 (Online), 0976-5905 (Print), Vol. 14, No. 1, PP 323-331, 2023 (Web of Science).

3. Lourdusamy, A., Kither iammal,S., & Dhivviyanandam, I, `Monophonic cover pebbling number of standard and algebraic Graphs` Communications in Mathematics and Applications, Vol. 15, No. 2, 2024 pp 619 - 634. (Web of Science).

4. Lourdusamy, A., Kither iammal,S., & Dhivviyanandam, I, `Monophonic cover pebbling number (MCPN) of network graphs' Utilitas Mathematica, Vol. 121, 2024, pp 11 - 24. (Scopus).

5. Lourdusamy, A, Dhivviyanandam, I & Kither iammal, S 2022 `Monophonic pebbling number and t-pebbling number of some graphs', AKCE International Journal of Graphs and Combinatorics, 19:2, 108-111, DOI: 10.1080/09728600.2022.2072789. (SCI, web of science, Scopus).

6. Lourdusamy, A, Dhivviyanandam, I & Kither iammal, S 2022, `t-Pebbling and 2t- Pebbling property for the deleted independent edges of some graphs', Advances and Applications in Mathematical Sciences, Volume 21, October 2022, pp 6651-6659. (Web of Science).

7. Lourdusamy, A, Dhivviyanandam, I & Kither iammal, S 2022, `Monophonic pebbling number of some standard graphs', South East Asian J. of Mathematics and Mathematical Sciences, ISSN 0972-7752. (Scopus).

8. Lourdusamy, A., Dhivviyanandam, I. & Kither iammal, S., 2024. Monophonic pebbling number of some families of cycles. Discrete Mathematics, Algorithms and Applications, 16(04), p.2350038.(Scopus, web of science).

9. Lourdusamy, A, Dhivviyanandam, I & Kither iammal, S 2023, `Monophonic Pebbling Number of Some Network related Graphs', Journal of Applied mathematics and informatics, Vol. 42, No.1, (2024), Page No. 77-83 (Scopus).

10. Lourdusamy, A, Dhivviyanandam, I & Kither iammal, S `Pebbling Number and 2- Pebbling property for the Middle graphs of the graph obtained from fan graph by deleting f independent Edges'. Springer Book Series: Trends in Mathematics. (Scopus).

11. Lourdusamy, A, Dhivviyanandam, I & Kither iammal, S 2023, `Non-split Domination Cover Pebbling Number for Some Class of Middle Graphs' Book: Mathematical Sciences and Applications, Edition:1/2024 ISBN:9781003451808DOI: 10.1201/9781003451808-4. (Scopus).

12. Kither iammal, S., Dhivviyanandam, I, & Lourdusamy, A.,`Pebbling on Shadow Graph of Cycle` Palestine Journal of Mathematics, Vol. 14, No. 1, (2025), Page No. 269-276 (Scopus).

National Publications : 15

1. Lourdusamy, A., Kither iammal,S., & Dhivviyanandam, I 2023, `Monophonic Pebbling on Zero Divisor Graph' Research and reflection on education, Special issue, Vol. 20 No. 3A, ISSN 0974-648X(P), pp 153-157, October 2022. (UGC Care List- I).

2. Lourdusamy, A., Kither iammal, S., & Dhivviyanandam, I 2023, `Monophonic cover pebbling of path related graphs' Industrial Engineering Journal, Volume-52, Issue 4, No.2, April 2023, ISSN 0970-2555, Page 167-170(UGC Care List- I).

3. Lourdusamy, A., Kither iammal, S., & Dhivviyanandam, I, `Monophonic cover pebbling number (MCPN) of middle graph of standard graphs` Indian Journal of Natural Science, Vol.15, Issue 83, 2024, ISSN. 0976-0997, Pg. 73644-73650. (UGC Care List- I).

4. Kither iammal, S., Lourdusamy, A., & Dhivviyanandam, I, `Graham's Pebbling Conjecture for Book Graphs`, International Journal of Applied Graph Theory, Vol-8, No.1, 2024, ISSN(Online): 2456-7884 pg 1-8.

5. Lourdusamy, A, Dhivviyanandam, I & Kither iammal, S 2023 `Herscovici Pebbling Conjecture for the Middle Graph of Fan Graphs' Indian institution of industrial Engineering, ISSN 0970-2555. (UGC care list - 1).

6. Lourdusamy, A, Dhivviyanandam, I & Kither iammal, S 2023 `Detour pebbling number of star related graphs' Indian institution of industrial Engineering, ISSN 0970-2555. (UGC care list 1).

7. Lourdusamy, A., Kither iammal,S., & Dhivviyanandam, I 2023, ` Domination cover pebbling number of some algebraic graphs', Conference proceedings of Recent Trends in pure and applied Mathematics, ISBN:978-81-965805-3-7, pp.54-58.

8. Lourdusamy, A., Kither iammal,S., & Dhivviyanandam, I 2021, `The pebbling number for the Shadow graph of even cycles' Conference Proceedings of Recent Trends in Modern Mathematics (Volume II), ISBN: 978-93-5578-172-7, pp 38-42.

9. Lourdusamy, A., Kither iammal,S., & Dhivviyanandam, I 2021, `The Detour Pebbling Number of Some Join Graphs and Product of Graphs', Sciencia Acta Xaveriana, Vol. 12 No. 2, pp. 73-77, ISSN. 0976-1152.

10. Lourdusamy, A., Kither iammal,S., & Dhivviyanandam, I 2021, `On Pebbling Number of Unit Graphs and Co-Prime Graphs', Sciencia Acta Xaveriana, Vol. 12 No. 2, pp. 33-38, ISSN. 0976-1152.

11. Lourdusamy, A., Kither iammal,S., & Dhivviyanandam, I 2022, `On Detour t-Pebbling Number', Sciencia Acta Xaveriana, Vol. 13 No. 1 pp. 17-23, ISSN. 0976-1152.

12. Lourdusamy, A, Dhivviyanandam, I & Kither iammal, S `Pebbling Number of Unit Graphs and Co-Prime Graphs', A Conference Proceedings of Recent Trends in Modern Mathematics (Volume II), pp:16-23, ISBN: 978-93-5578-172-7.

13. Lourdusamy, A, Dhivviyanandam, I & Kither iammal, S 2022, `Herscovici's pebbling conjecture for $F_n^{-f} \times F_m^{-f}$ ', Conference proceedings of SXC- Centenary year- International Conference on Recent Developments in pure and applied mathematics, Volume I, pp 256-261.

14. Lourdusamy, A, Dhivviyanandam, I & Kither iammal, S 2022, `Monophonic Pebbling Number of Some Algebraic Graphs', Sciencia Acta Xaveriana, an International Science Journal, ISSN 0976-1152, March 2022, Vol 13. No1, pp 01-07.

15. Lourdusamy, A, Dhivviyanandam, I & Kither iammal, S 2021, `Detour Pebbling number of Unit graphs and co-prime graphs', Sciencia Acta Xaveriana, an International Science Journal, ISSN 0976-1152, March 2022, Vol 12. No1, pp 09-14.

Details of Conferences/ Webinars /Short term course / FDP Attended : 29

1. ICSSR Sponsored International Conference "International Challenges of Global Entrepreneurship in the 21st Century" at Bon Secours college for women, Thanjavur, on 30th & 31st August 2012.

2. UGC Sponsored National Conference on "Recent Advances in Pure and Applied Mathematics" at St. Xavier's college, Palayamkottai, on 03 - 05th September, 2014.

3. National Conference on "Mathematical and Graph Theory" at St. Xavier's college, Palayamkottai, on 10 - 12th March, 2016.

4. State Level Workshop On "DATA ANALYTICS USING R" at at Jayaraj Annapackiam College for Women (Autonomous), Periyakulam on 20th & 21st September, 2016.

5. National seminar on Topological Graph Theory at Jayaraj Annapackiam College for Women (Autonomous), Periyakulam on 19th December, 2016.

6. International seminar on "Contemporary Research in Graph Theory" organized by IQAC and the Department of Mathematics and Statistics, Shri Shankarlal Sundarbai Shasun Jain College for Women, Chennai on 3. 3. 2021.

7. National webinar on "Recent Trends in Graph Theory" organized by PG and Research Department of Mathematics, Jayaraj Annapackiam College for Women (Autonomous), Periyakulam on 16. 3. 2021.

8. Webinar on "Emerging Trends in Algebra" organized by PG and Research Department of Mathematics, Jayaraj Annapackiam College for Women (Autonomous), Periyakulam on 17. 3. 2021.

9. National webinar on "Graphs and its impact on Real Word" organized by PG and Research Department of Mathematics, Pasumpon Muthuramalinga Thevar College, Usilampatti on 20. 3. 2021.

10. National webinar on "On Graceful Tree Conjecture" organized by PG and Research Department of Mathematics, Dwaraka Doss Goverdhan Doss Vaishnav College on 10. 4. 2021.

11. Webinar on "Building Bridges Between Mathematics and Computer Science" organized by Department of Mathematics, Loyola College, Jashpur on 7. 6. 2021.

12. State - level webinar on "Research Writing and Publication" organized by the Centre for Research, Curriculum Development Cell and Sadakath Research Bulletin Editorial Board on 30. 6. 2021.

13. State Level webinar on "Distances and Algorithms in Graphs" organised by the PG & Research Department of Mathematics, Holy Cross College (Autonomous), Nagercoil on 16th July 2021.

14. National Webinar on Introduction to Mathematica organised by Department of Mathematics, Seth Kesarimal Porwal College of Arts and Science and Commerce, Kamptee, Nagpur, Maharashtra on 3rd August 2021.

15. Two days International Conference on "Resent Trends in Morden Mathematics" organised by the PG & Research Department of Mathematics, on 23^{ed} and 24th of September 2021, St. John's College, Palayamkottai.

16. Online Lecture Series on "Identification of Fake and Predatory Journals" on 26 - September – 2021, organised by Department of Mass Communication & Journalism, St. Joseph's College, Darjeeling, West Bengal, India.

17. International Webinar on "Recent Advances in Pure and Applied Mathematics" organised by the PG & Research Department of Mathematics, Jayaraj Annapackiam College for Women (Autonomous), Periyakulam on 27.01.2022.

18. National Workshop on "Introduction to R Programing" (Online mode) held on 3^{ed} – 5th February 2022, organised by the Department of Mathematics, Kai Rasika Mahavidyalaya, Deoni.

19. State level Endowment Workshop on "ICT Tools for Smart Teaching and Learning" conducted by PG & Research Department of Mathematics, St. Xavier's College (Autonomous), Palayamkottai from 31.03.2022 to 1.04.2022

20. International Workshop on "Combinatorial Methods in Graph Theory" organised by the Department of Mathematics, Amrita Vishwa Vidyapeetham, Coimbatore, on 14th-16th July, 2022.

21. Participated in the international Conference on Recent Strategies in Mathematics And Statistics, organized by the department of Mathematics, Stella Maris College in Collaboration with department of Mathematics, Indian Institute of Technology Madras from19 to 21 May 2022.

22. Participated in the International Conference on Recent Trends in Applied Mathematics (ICRTAM 2023) organized by the Department of Mathematics, Loyola College, Chennai on March 24 & 25, 2023.

23. Participated in the Five Day International Virtual Faculty Development Programme (IVFDP) on "Harnessing Generative AI: Smart Tools for Teaching, Learning, Evaluation & Research (TLE&R)" organized by the Department of Computer Science, St. Joseph's College, Tiruchirappalli and Globethics, South Asia Centre, Bengaluru from 07.07.2025 to 11.07.2025.

24. Participated in the Ten Days National Level Short Term Training Programme (STTP) on "Vedic Mathematics: Techniques and Applications" organized by the PG and Research Department of

Mathematics, Institutions's Innovation Council, Jayaraj Annapackiam College for Women (Autonomous), Periyakulam and A.C. T Academy, Kerala from 04.08.2025 to 14.08.2025.

25. Participated in the Five Days National Level Faculty Development Programme (online) on "Technology Driven Teaching Pedagogy" organized by the Department of Computer Applications, Bon Secours College for Women (Autonomous), Thanjavur in collaboration with A.C.T Academy, Kerala from 12.08.2025 to 16.08.2025.

26. Participated in the National Level Capacity Building Programme on "Best Practices in Teaching and Learning Process" organized by A.C.T Academy, Kerala, on 03.09. 2025.

27. Participated in One Day Webinar on "Peace – A Universal Human Right" organized by the Youth Red Cross, J.A. College, Periyakulam in collaboration with MoU Signed Holy Cross College (Autonomous), Nagercoil on 17.09.2025.

28. Participated in a Five Days National level Faculty Development Programme (Virtual) on "A Roadmap to Ethical Governance and Excellence in Higher Education Institutions" organized by the PG and Research Department of Mathematics and Department of Computer Applications, Jayaraj Annapackiam College for Women (Autonomous), Periyakulam in collaboration with A.C.T Academy, Tamil Nadu Unit from 08.10.2025 to 12.10.2025.

29. Participated in a Seven Days National Level Short Term Training Programming (online) on "Reimagining Classrooms: Innovative pedagogies for Engaged and Outcome- Based Learning" organized by the PG Department of Computer Science and Department of Computer Applications, Jayaraj Annapackiam College for Women (Autonomous), Periyakulam and Department of Computer Science, Teresian College, Mysuru from 05.11.2025 to 12.11.2025.

No. of Paper Presentation in the Conferences : 13

1. Paper presented an article entitled "The pebbling number for the Shadow graph of even cycles" in the International Conference on "Resent Trends in Morden Mathematics" organised by the PG and Research Department of Mathematics, on 23ed and 24th of September 2021, St. John's College, Palayamkottai.

2. Paper presented an article entitled "t-pebbling number and 2t-pebbling Property for book graphs" in the second International Conference on "Resent Trends in Applied and Computational Mathematics" organised by School of Sciences, Department of Mathematics, REVA University, Bengaluru, India, on 8th and 9th October 2021.

3. Paper presented entitled "The Pebbling on Shadow Graph of Cycles" in the 5th International Conference on "Recent Advances in Mathematical Sciences and its Applications (RAMSA-2021)" organized through online mode by the Department of Mathematics, Jaypee Institute of Information Technology, Noida, India, during December 02-04, 2021.

4. Presented a Paper on the topic "Pebbling Number and t- Pebbling Number for the Deleted Independent Edges of Middle Graphs of Fn-f" in the "International Virtual Conference on Current Scenario in Modern Mathematics (ICCSMM-2022)" organized by PG and Research Department of Mathematics, Aditanar College of Arts and Science, Tiruchendur on 4th February 2022.

5. Participated and presented paper titled "On Monophonic Pebbling" in the International Conference on "Recent Strategies in Mathematics and Statistics (ICRSMS2022)" organized by the department of Mathematics, Stella Maris College in collaboration with the department of Mathematics, Indian Institute of Technology Madras from 19 to 21 May 2022.

6. Presented a paper on the topic "Monophonic Pebbling on Zero Divisor Graph" in the International Conference on "Recent Developments in Mathematics" organized by PG and Research Department of Mathematics, St. Xavier's College (Autonomous), Palayamkottai, held on 19-21 July 2022.

7. Presented a paper on the titled "Monophonic Pebbling Number of Dutch Windmill Graph" in the International Conference on "Recent Developments in Pure and Applied Mathematics" organized by the faculty of Engineering Applied Science and Technology, Canadian University Dubai, Dubai, UAE in conjunction with the Department of Mathematical Science, United Arab Emirates University, Al Ain, UAE.

8. Presented a paper on the topic "Monophonic cover pebbling number of path related graphs" in the International Conference on Recent Trends in Applied Mathematics (ICRTAM 2023) organized by the Department of Mathematics, Loyola College, Chennai on Feb 24 and 25, 2023.

9. Presented a paper on the topic "Monophonic cover pebbling number of cycle related graphs" in the International Conference on Mathematical Science and Applications (ICMSA - 2023) organized by the Department of Mathematics, Dr. Bhimrao Ambedkar University, Agra during March 24 - 26, 2023

10. Presented a paper on the topic "Domination cover pebbling number of some Algebraic graphs" in the National Conference on Recent Trends in Pure and Applied Mathematics (RTPAM 2023) organized by PG and Research Department of Mathematics, Aditanar College of Arts and Science, Tiruchendur on 21.09.2023.

11. Presented a paper on the topic "Monophonic pebbling number of middle graph of standard graphs" in the international Conference on Recent Trends in Applied Mathematics (ICRTAM 2024) organized by the Department of Mathematics, Loyola College, Chennai, held on Februarry 22-23, 2024.

12. Presented a paper on the topic" Lourdusamy's pebbling conjecture for book graphs" International Conference on Applications of Mathematics in Data Science (ICAMDA 2024) organized by the Department of Data Science and Mathematics, St. Xavier's college (Autonomus), Palayamkottai on 27-28, 2024.

13. Participated and presented a paper entitled "Monophonic Pebbling Number of Windmill Graphs" in International Conference on "Applied Mathematics and Data Science", organized by the Department of Mathematics, jointly organized by Morning Star Arts and Science College for Women, Pasumpon, Tamilnadu and North Bengal St. Xavier's College, West Bengal, India from 10.10.2025 to 11.10.2025.

Professional Affiliation:

- Member of Entrepreneur Cell (2019-2020)
- Member of YRC (2025-)
- Member of ECO club (2025-)

Resource Person :

1. Reviewer of the research article in "Journal of Advances in Mathematics and Computer Science" on 15.3.2024.
2. Served as judge for the Story Telling competition and Group Discussion, organized by Hope Club, JAC on 25.08.2025 and 28.08.2025.
3. Reviewer of the research article in "Asian Journal of Medicine and Medical Science" on 9.9.2025.

4. Reviewer of the research article in "Asian Journal of Probability and Statistics" on 13.9.2025.

5. Reviewer of the research article in "Journal of Advances in Mathematics and Computer Science" on 13.9.2025.

6. Served as judge for the short film making, organized by fine Arts, JAC on 3^{ed} – 6th December 2025.

Books Publish   **:** Nil

Awards   : Nil

CONTACT DETAILS:

Present Addresses   : C\O Sr. Superior, St. Anne's Convent,

J. A. College for Women, Mount St. Anne,

Thamaraikulam, Periyakulam - P.O. Theni - Dt.

Permanent Addresses   : C\O Mother Superior, St. Anne's generalate,

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