

Dr. K. Ramalakshmi

Associate Professor,
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Tirunelveli - 627011.



- Email** : krams1983@gmail.com
- Date of Birth** : 14.04.1983
- Date of Appointment** : 28 February 2013
- Education** : M.Sc., M.Phil., Ph.D.,
- Specialization** : Graph Theory, Algebra
- Languages Known** : Tamil, English and Hindi (To read, write and to speak)
- Other Qualifications** :
1. B.A., B.Ed., in Hindi (Dakshina Bharath Hindi Prachar Sabha)
2. Type Writing Higher (Both English & Tamil)
3. Doing M.A. Sanskrit through Distance Education in SASTRA, Deemed to be University, Tanjavur (I year completed)

Educational Qualification

Degree	College / University	Specialization	Year
Ph.D	Manonmaniam Sundaranar University, Tirunelveli	Graph Theory	2019
M.Phil	Manonmaniam Sundaranar University, Tirunelveli	Graph Theory	2011
M.Sc	Manonmaniam Sundaranar University, Tirunelveli	Mathematics	2008
B.Sc	Manonmaniam Sundaranar University, Tirunelveli	Mathematics	2003

Responsibilities

- Organized National Conference in the year 2015 -16
- Organized International Conference in the year 2018 -19
- Organized National Science Day Conclave in the year 2019-20
- Admission subcommittee member during the years 2014-15, 2017-18 and 2020-21
- Worked as Criterion V coordinator in NAAC cycle 2
- Worked as IQAC Steering coordinator in the year 2018-19
- From 2019-20 to till date, serving as Controller of Examinations

List of Publications

1. K.Ramalakshmi, K.Palani and T.Tamil Chelvam, "Steiner Domination Number of Graphs", Proceedings of International Conference on Recent Trends in Mathematical Modelling, ISBN 13-978-93-82592-00-06, 12th February 2016, 128 - 134.

2. K.Ramalakshmi and K.Palani, "On Steiner Domination Number of Graphs", International Journal of Mathematics Trends and Technology (IJMTT), Volume 41 Number 2 January 2017, 186 - 190.
3. K.Ramalakshmi and K.Palani, "The Forcing Steiner Domination Number of a Graph", International Journal of Mathematical Archive (IJMA), Volume 8, issue 2, February 2017, 107 - 112.
4. K.Ramalakshmi and K.Palani, "Efficiently Dominating Steiner Number of Graphs", International Journal of Mathematical Archive (IJMA), Volume 8, issue 8, August 2017, 120 - 125.
5. K.Ramalakshmi and K.Palani, "Split and Strong Split Steiner Domination Number of Graphs", International Journal of Science, Engineering and Management (IJSEM), Volume 2, Issue 12, December 2017, 85 – 89.
6. K.Ramalakshmi, "On Steiner Number of a Graph", J. PRAGNAVANI, Vol.12 | Iss. II | Jul-Dec'17 ISSN: 2249-6017, 14-17.
7. K.Ramalakshmi and K.Palani, "Efficient Strong (Weak) Dominating Steiner Number of Graphs", Journal of Global Research in Mathematical Archives, Volume 5, Issue 3, March 2018, 50 – 57.
8. K.Ramalakshmi and K.Palani, "Independent and Upper Steiner Domination Number of Graphs", International Journal of Mathematics and its Applications, Volume 6 Number 2-A, May 2018, 119-124.
9. S. Kamali, K. Ramalakshmi and S. Ammani, "On Strong Split Domination Number of Graphs", J. PRAGNAVANI, Vol.13 | Iss. I | Jan-June'18 ISSN: 2249-6017, 15-18.
10. K.Ramalakshmi and K.Palani, "Total Steiner Domination Number of Graphs", Journal of Computer and Mathematical Sciences, Volume 9(8), Aug 2018, 931 – 940.
11. Kamali, K. Ramalakshmi and S. Ammani, "On Split Domination Number of Graphs", J. PRAGNAVANI, Vol.13 | Iss. II | July-Dec'18, ISSN: 2249-6017, 10-13.
12. K.Ramalakshmi, K.Palani, "Results Connecting Domination, Steiner and Steiner Domination number of Graphs", Advances in Mathematics: Scientific Journal, 9(2020), no.4, ISSN:1857-8365(printed): 1857-8438(electronic), 2631-2641.
13. K.Ramalakshmi, "On Steiner Domination Number of Graphs", Journal of Critical Reviews, Vol.7, Issue 09, 2020, ISSN-2394-5125, 3290-3296.
14. B. Ramyapriyadharshini and K. Ramalakshmi, "Derivation in Prime Semi Near Rings", The International journal of analytical and experimental modal analysis Volume XIII, Issue IX, September/2021 ISSN No.:0886-9367, 155-163.

Paper Presentation

S.No	Title of the Paper	Name of the Programme	Date & Venue	Level
1	Steiner Domination Number of Graphs	International Conference on Recent Trends in Mathematical Modelling	12.02.2016 , Rani Anna Government College for Women, Tirunelveli	International

2	Split and Strong split Steiner Domination Number of Graphs	International Conference on Recent Advancements in Information Technology, Science & Engineering	14.12.2017 and 15.12.2017, A.P.C.Mahalaxmi College for Women, Thoothokudi.	International
3	Results Connecting Domination, Steiner and Steiner Domination number of Graphs	International Conference on Applied Mathematics and Intellectual Property Rights	20.01.2020 and 21.01.2020, A.P.C.Mahalaxmi College for Women, Thoothokudi.	International
4	On Semi Near Rings	International E-Conference on Modern Mathematical Methods and High Performance Computing in Science and Technology	02.09.2021 and 03.09.2021, Sri Sarada College for Women, Tirunelveli	International

Seminars, Conferences, Workshop attended:

1. Attended the “Workshop on Problem Solving (PG Maths)” held at Aditanar College of Arts and Science, Tiruchendur on 04.02.2014 and 05.02.2014.
2. Attended the “Eighth International Workshop on Graph Labelings” held at Kalasalingam University, Srivilliputtur during December 03-06, 2014.
3. Attended the National Seminar on “Recent Developments in Functional Analysis, Topology and Graph Theory” held at The M.D.T.Hindu College, Tirunelveli on 26th and 27th March 2015.
4. Attended the Two Day National Workshop on “Quality Writing of Articles for Journals, Conferences, Seminars and Presentation Skills”, held at Thiruvalluvar College, Papanasam on 4th and 5th September 2015.
5. Attended “UGC Funded State Level Workshop on LaTeX”, held at Sadakathullah Appa College, Tirunelveli on 14th September 2015.
6. Attended the “National Seminar on Recent Advancements on Distance, Domination and Labeling in Graphs”, held at The Madura College, Madurai on 21st and 22nd January 2016.
7. Participated and Presented a paper in the International Conference on “Recent Trends in Mathematical Modelling”, held at Rani Anna Government College for Women, Tirunelveli on 12th February 2016.
8. Presented a paper in the International Conference on “Recent Advancements in Information Technology, Science and Engineering”, held at A.P.C. Mahalaxmi College for Women, Thoothokudi on 14th and 15th December 2017.
9. Presented a paper in the International Conference on “Recent Advancements in Information Technology, Science and Engineering”, held at A.P.C. Mahalaxmi College for Women, Thoothokudi on 14th and 15th December 2017.
10. Attended the “4-days Online Course on Examination Reforms conducted during 22-25 April, 2020, organized by AICTE.

11. Completed the “National Level Faculty Development Programme on LaTeX” from 04-08 May, 2020, organized by School of Computer Science & Engineering, Poornima University, Jaipur in association with Spoken Tutorial, Indian Institute of Technology, Bombay, India.
12. Completed “Two Week Online Workshop on Comprehensive e-Learning to e-Training guide for Administrative Work” from May 25 - June 05, 2020 organized by Teaching Learning Centre, Ramanujan College, University of Delhi sponsored by MHRD.

Resource Person:

Acted as a Resource Person for Webinar on “Domination and its’s Types – An overview”, organized by Department of Mathematics, Sri Sarada Mahavidhyalam Arts and Science College for Women, Ulundoorpet on 08.10.2021.

Projects Applied:

1. Applied DST Project Titled “Drones for Harvesting in the Flood Prone Agricultural Fields”, through the Scheme for Young Scientists and Technologists (SYST) during September 2021. (Status: Under Processing)
2. Applied jointly with all PG Science Department DST – CURIE Project “Science Research for Innovation and Excellence in Higher Educational Women Institutions under CURIE-DST”, through WISE KIRAN division during December 2021. (Status: Under Processing)