

CURRICULUM VITAE

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Designation : Assistant Professor
Qualification : M.Sc., M.Phil., Ph.D., SET.
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Teaching Experience : 11 Years



S.No	Name of the Institution	Period of Service
1.	J.J. College of Arts and Science (Autonomous)	01.07.2009 to Till Date

Publications

Research papers : 15
Citations / h – index / i 10 - index : 30 / 04 / 00
Cumulative Impact Factor : 34.69
Book (s) Published : Nil
Book Chapter : Nil

- Muthammai S., **Meenal N.**, Co-isolated locating domination number for Cartesian product of two graphs, *International Journal of Engineering Science, Advanced Computing and Bio-Technology*, **Vol. 6, No. 1**, March 2015, Impressionspress, Pp. 17 – 27.
- Muthammai S., **Meenal N.**, The number of minimum co-isolated locating dominating sets of cycles, *International Research Journal of Pure Algebra (RJPA)*, **Vol –5[4]**, April 2015, ISSN No. 2248 – 9037, Pp. 45 – 49.
- Muthammai S., **Meenal N.**, The number of minimum co-isolated locating dominating sets of paths, *International Journal of Mathematical Archive (IJMA)*, **Vol – 6[5]**, May 2015, ISSN No. 2229 – 5046, Pp. 63 – 74.

- Muthammai S., **Meenal N.**, Co-isolated locating domination number for the complement of a doubly connected graph, *International Journal of Mathematics And Scientific Computing (IJMSC)*, **Vol. 5, No. 1**, 2015, Pp. 57 – 59.
- Muthammai S., **Meenal N.**, Co-isolated locating domination number for unicyclic graphs, *International Organization of Scientific Research (IOSR – JM)*, **Vol. 11, Issue 5**, Ver. IV, Sep – Oct. 2015, Pp. 38 – 52, P-ISSN No. 2319 – 765X, E-ISSN No. 2278 – 5728, IF: 3.781.
- Muthammai S., **Meenal N.**, Average co-isolated locating domination number on trees, *Elixir Applied Mathematics*, **Vol. 92**, 2016, Pp. 38858 – 38863, ISSN No. 2229 – 712x, IF: 0.454.
- Muthammai S., **Meenal N.**, More results on co-isolated locating domination number of graphs, *International Journal of Mathematics Trends and Technology (IJMTT)*, **Vol. 31, No. 2**, March 2016, Pp. 46 – 52, ISSN No. 2231 – 5373, IF : 0.764.
- Muthammai S., **Meenal N.**, Some bounds on co-isolated locating domination number, *International Journal of Mathematics and its Applications (IJMAA)*, **Vol. 4, Issue 1–B**, 2016, Pp. 113 – 120, ISSN No. 2347 – 1557, IF : 4.968.
- Muthammai S., **Meenal N.**, Co-isolated locating domination number for cubic graphs, *International Journal of Pure and Applied Mathematics (IJPAM)*, **Vol. 109, No. 9**, 2016, Pp. 37 – 45, P- ISSN No. 1311 – 8080, e - ISSN No. 1314 – 3395, IF: 0.244.
- **Meenal N.**, Muthammai S., Degree Equitable Co-isolated Locating Domination in Graphs, *International Journal of Mathematical Sciences & Engineering Applications (IJMSEA)*, ISSN No. 0973 – 9424, **Vol. 12, No. I**, April 2018, Pp. 79 – 88, IF : 0.525.
- **Meenal N.**, Co-isolated Locating Domination Matrix in Graphs, *International Review of Pure and Applied Mathematics (IRPAM)*, **Vol.14, No. 2**, July – December 2018. ISSN: 0973 – 1350, Pp. 179 – 188.
- **Meenal N.**, Ilaiyaraja M., Manju Jose., Average Total Domination Number on Graphs, *Journal of Emerging Technologies and Innovative Research (JETIR)*, 2018, **Volume 6, Issue 1**, Pp. 54 – 61, ISSN-2349-5162, IF : 5.87.
- **Meenal N.**, Rathika R, Porselvi A, Locating Domination Number For Some Special Types of Graphs, *Journal of Emerging Technologies and Innovative Research (JETIR)*, 2018, **Volume 6, Issue 1**, Pp. 607 – 610, ISSN-2349-5162, IF : 5.87.
- **Meenal N.**, Special Types of Domination Matrix in Graphs, *International Journal for Research in Engineering Application & Management (IJREAM)*, Special Issue – NCRT-PAM – 2018, **Vol. 4**, Pp. 17 – 21, ISSN : 2454 – 9150, IF : 6.466.
- **Meenal N.**, A First Look at Eccentric Fuzzy Graphs, *International Journal of Research and Analytical Reviews (IJRAR)*, 2018, **Vol. 6, Issue 1**, Pp. 188 – 194. E – ISSN: 2348 - 1269, P - ISSN: 2349 – 5138, IF : 5.75.

Publications in Proceedings

- **Isolated locating domination number for some standard graphs**, Proceedings of the UGC Sponsored National conference on Applications of Mathematics & Computer Science (NCAMCS – 2012), S.D.N.B Vaishnava College for Women (Autonomous), Chennai, February 10, 2012, p. 60 – 61.
- **Isolated locating domination number of a graph**, Proceedings of the UGC sponsored National Seminar on Applications in Graph Theory, Seethalakshmi Ramaswamy College (Autonomous), Tiruchirappalli, December 18 – 19, 2012, p. 7 – 9.

- *Isolated locating domination number for some special types of graphs*, Proceedings of National Conference on Recent Trend in Analysis and Applied Mathematics(NCRTAAM – 2013), National Institute of Technology, Tiruchirappalli, May 9 – 10, 2013, p. 145 – 150

Papers Presented in Conferences

- *Global restrained domination in graphs*, UGC Sponsored National Conference on Recent Advances in Pure and Applied Mathematics(NCRAPAM – 2011), Government Arts College for Women (Autonomous), Pudukkottai, January 28 – 29, 2011.
- *Co-isolated locating domination number on trees*, National Conference on Recent Advances in Graph Theory (NCRAGT – 2014), Periyar University, Salem, March 6 – 7, 2014.
- *Cubic graphs having equal chromatic number and isolated locating domination number*, National Conference on Recent Trends in Mathematical Models (NCRMTMM – 2014), Government Arts College for Women (Autonomous), Pudukkottai, March 12 – 13, 2014.
- *Co-isolated locating domination number for cubic graphs*, International Conference on Mathematical Computer Engineering (ICMCE – 2015), VIT University, Chennai, December 14 – 15, 2015.

Participated in Conference/Seminar/Workshop

S.No.	Presented/ Participated	Date & Place	Topic
1	Participated	25.02.2012 Periyar Maniammai University, Vallam, Thanjavur	Workshop on Applications of MATLAB software in Mathematical Field
2	Participated	09.03.2013 Jammal Mohamed College(Autonomous), Tiruchirappalli	National Seminar on Discrete Mathematics and its Applications
3	Participated	26.09.2015 Shrimati Indira Gandhi College, Tiruchirappalli	Regional Level Seminar on Recent Trends in Mathematics
4	Participated	30.01.2020 to 31. 01.2020 J.J. College of Arts and Science (A), Pudukkottai	Workshop on Research Methodology and data Analysis by using SPSS and AMOS

Faculty Development Programme Participated

- Participated in Two Day Training Programme in Aspirations and Inspirations an experiential learning training for teaching fraternity on 26th and 27th November 2010.

- Participated in Two Day Faculty Development Programme in Aspirations and Inspirations, a Psychological Impetus on Pedagogy, Professional Ethics and Personal Dynamics, Organised for the faculty members of J.J. College of Arts and Science on 29th and 30th November 2016.

Research Guidance

1	Ph.D.	Guiding : 01	Completed : 0
2	M.Phil.	Guiding : 02	Completed : 04

Membership Performance

- Member in Board of Studies at J.J. College of Arts and Science (Autonomous), Pudukkottai from 2011 to Till Date.
- Organizing Secretary for the event “ A Two Day National Conference on Recent Trends in Pure And Applied Mathematics - NC RTPAM 2018” on 11th and 12th September 2018.

Achievements

Acted as a Resource person in,

- Five Days In-service Training For B.T. & P.G. Mathematics Teachers 9th and 10th Mathematics only from 21.02.2012 To 25.02.2012 at J.J. College of Arts and Science, Pudukkottai under the topic “Practical Geometry” and “Graphs”.
- Rashtriya Madyamik Shiksha Abhiyan (RMSA) - Two Days In-service Training For B.T. Teachers at Ranees Government Girls Higher Secondary School, Pudukkottai, under the Topic “Hands on Activity in Teaching Mathematics” on 26.08.2014.
- National Seminar on Contemporary Developments in Applied Mathematics – organized by Department of Mathematics, Auxilium College of Arts and Science For Women, Karambakudi, Pudukkottai on 14th & 15th of September 2018 under the topic “A Study on Locating Domination Number in Graphs”.
- Special Lecture on “An introduction to graph colouring and its applications– organized by Department of Mathematics, Arputha College of Arts and Science, Alangudi, Pudukkottai on 15th of February 2019.