

PROFILE



Name : Dr. N.Saradha
Father's Name : S.Natarajan
Date of Birth : 03.04.1973
Nationality : Indian
Religion : Hindu
Official address : Assistant Professor, Department of Mathematics, SCSVMV,
Kanchipuram
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Field of Research : Graph Theory
Educational Qualifications : Ph.D M.Phil.,M.Sc.,B.Sc
Experience : 26 years

Educational Qualifications:

- Ph.D in mathematics from SCSVMV University.
- M.Phil in Mathematics with First Class with distinction, Annamalai University.
- M.Sc in Mathematics with First Class with distinction, Seethalakshmi Ramaswamy College, Bharathidasan University, 1996 .Bharathidasan University
- B.Sc in Mathematics with First Class, Shrimathi Indra Gandhi College, Bharathidasan University, 1994.

Professional Experiences:

Working as an Assistant Professor of Mathematics at SCSVMV University, Kanchipuram since 16, November - 1998.

Awards Received:

Won Global Teacher Award 2019. AKS worldwide PVT.LTD , New Delhi on 15th September 2019.

Journal Publications:

1. N.Saradha,V.Swaminathan, ***Least connected co independent domination of a graph***, International Journal of Computing Algorithm International Journal of Computing Algorithm Volume 03 February 2014, 538-540.
2. N.Saradha,V.Swaminathan, "***2-Equitable Co-independent domination of a graph***", International Journal of Mathematical Archieve, Volume 5(10), October 2014,,247-250.
3. N.Saradha,V.Swaminathan, "***Strong Complementary acyclic domination of a graph***", Annals of Pure and applied Mathematics,Vol.8, No.2, 2014, 83-89.
4. N.Saradha,V.Swaminathan, "***Connected Equitable Co-independent domination of a graph***", International Journal of Pure and Applied Mathematics, Vol.101, No. 5, June 2015.
5. N.Saradha,V.Swaminathan, "***Triple Connected Co-Independent domination of a graph***", "Global journal of Pure and Applied Mathematics, Volume 12 (1) 2016, 358-361.
6. N.Saradha, V.Swaminathan, K.Angammal, "***Weak Complementary acyclic domination of a graph***", International Journal of Current Trends in Engineering & Research, Volume 2 (7), July 2016, 165-170.
7. N.Saradha, V.Swaminathan, K.Angammal, ***Complementary Acyclic Weak Domination Preserving Sets***, International Journal of Research in Engineering & Science, Volume 4 (7), July 2016, 44-48.
8. N.Saradha, V.Swaminathan, "***Excellence with respect to the parameter β_e of a graph***", "Indian Journal of Applied Research,Volume 6 (10), October 2016,377-388.

9. N.Saradha, V.Swaminathan, "*Secure Complementary Equivalence Domination*", "International Journal of Research in Engineering and Science, Volume 4 (10), October 2016, 81-88
10. N.Saradha, V.Swaminathan, "*Equivalence Dominator Coloring of a graph*", Indian Journal of Applied Research, Volume 6 (10), October 2016, 679-690.
- 11.N.Saradha, V.Swaminathan, "*Triple Connected Complementary Acyclic Domination of a graph*", International Journal of Mathematical Archieve, Volume 7 (9), 2016, 189-194.
- 12.N.Saradha, V.Swaminathan," *Complementary Equivalence Dominating Sets in Graphs*" International Journal of Mathematical Archieve-7(12), 2016,151-158.
- 13.N.Saradha, V.Swaminathan," *Very β_e - Excellence of a Graph*" International Journal of Mathematical Archieve- -7(12), 2016, 135-140.
- 14.N.Saradha, V.Swaminathan," *Equivalence Chromatic Partition of a Graph*" International Journal of Mathematical Archieve- -7(12), 2016, 145-150.
- 15.N.Saradha, V.Swaminathan, " *β_e -excellence of a graph*", International Journal of Pure and applied Mathematics,Vol 113, No.12, 2017, 79-88.
- 16.N.Saradha, V.Swaminathan, Anjali "*Triple Connected Complementary Tree Equitable Domination*" IMRF Journal, March 2018, 340-343
- 17.N.Saradha, V.Swaminathan, Amudhavalli "*Strong Efficient Triple Connected Domination*" IMRF Journal, March 2018, 316-319
- 18.N.Saradha, V.Swaminathan, Arumugam "*Global Triple Connected Complementary Acyclic Domination*" IMRF Journal, March 2018, 78-80
- 19.N.Saradha, *Secure Triple connected two domination of a graph*, GIS Science Journal, Volume 8 (6), June 2021, 1858-1869.
20. N.Saradha, *Equivalence (1,2) domination of a graph*, GIS Science Journal, Volume 8 (6), June 2021, 2209-2217.
- 21.Dr.N.Saradha, *Acyclic Distance 2 Domination Number of a Graph*, Gis science Journal Volume 10 issue 6 June 2023, 1225-1229.

Research Papers Presented in Conferences:

- Presented Paper entitled "**Least connected co independent domination of a graph**", presented at Fr. Racine International Mathematics Congress, Organized by PG& Research Department of Mathematics , Loyola College , Chennai during October 3 - 5, 2013.
- Presented Paper entitled **Connected equitable co-independent domination of a graph**, presented at International Conference on Mathematical Computer Engineering, VIT University, Chennai during 29.11.13-30.11.13.
- Presented Paper entitled, **2-equitable co-Independent domination of a graph**, presented at National Conference on SRM University, Chennai during 06.01.14 to 07.01.14.
- Presented Paper entitled "**Strong Complementary acyclic domination of a graph**", presented at International Conference on Mathematical and Stochastic analysis and its applications, D.G.Vaishnava College, Chennai during 18.12.2014-20.12.2014.
- Presented Paper entitled "**Triple Connected Complementary Acyclic Domination of a graph**", presented at International Conference on Mathematical Computer Engineering VIT University Chennai during 14.12.2015-15.12.2015.
- Presented Paper entitled "**Triple Connected Co-Independent Domination of a graph**", presented at National Conference on Mathematical Techniques and its Applications , SRM University Chennai during 4.01.2016-5.01.2016.
- Presented Paper entitled " **β_e -excellence of a graph**", presented at National Conference on Mathematical Techniques and its Applications, SRM University Chennai during 27.01.2017& 28.01.2017
- Presented Paper entitled "**Chromatic Strong Complementary Acyclic Domination**", presented at International Conference on Contemporary Approaches In Mathematics And Emerging Engineering Trends 2017" (ICCAMEET 2017) on 4th and 5th May 2017 at Aarupadai Veedu Institute of Technology (AVIT), Chennai .
- Presented paper entitled "**Triple Connected Complementary Tree Equitable Domination**" in the International Conference on Pure and Applied Mathematics organized by Department of Mathematics, SCSVMV on 19-20, February 2018.

- Presented paper entitled “**Strong Efficient Triple Connected Domination**” in the International Conference on Pure and Applied Mathematics organized by Department of Mathematics, SCSVMV on 19-20, February 2018.
- Presented paper entitled “**Global Triple Connected Complementary Acyclic Domination**” in the International Conference on Pure and Applied Mathematics organized by Department of Mathematics, SCSVMV on 19-20, February 2018.
- Presented paper entitled “**Equivalence (1, 2) – Domination In Graphs**” in the International Conference on Pure and Applied Mathematics organized by Department of Mathematics, SCSVMV on 17-19, December 2018.
- Presented paper entitled “Strong Triple Connected Complementary Acyclic Domination Of A Graph” in the International Conference on Pure and Applied Mathematics organized by Department of Mathematics, SCSVMV on 17-19, December 2018.
- Presented a paper entitled Efficient Triple Connected.Com Domination Number of a Graph in the International Conference on Mathematical Computer Engineering ,VIT University, Chennai during 20-21, February 2020
- Presented a paper entitled Secure Triple Connected Two Domination, in the International Conference on Mathematical Computer Engineering ,VIT University, Chennai during during 20-21, February 2020.
- Presented a paper entitled Strong Efficient Domination number of a graph in the International conference on Recent trends in applied mathematics during 24-25, February 2023 organized by Department of Mathematics, Loyola College, Chennai

Workshop Conducted:

- Acted as Convener cum Resource person for *One Day Workshop on Matlab and Its Applications* organized by Department of Mathematics, SCSVMV University, Kanchipuram on 10.02.2014.
- Organized *National Workshop on Math with Open Source Software* organized by the Department of Mathematics, SCSVMV University during 3.9.2015-4.9.2015.
- Acted as Resource person for *One Day Workshop on Matlab and Its Applications* organized by Department of Mathematics, SCSVMV University.

- Acted as Resource person for *One Day Workshop on Matlab and Its Applications* organized by Department of Mathematics, SCSVMV University, Kanchipuram on 12.10.2015
- Acted as Resource person for *Quality Enrichment Programme – III(QEP 2017)* organized by Department of Mathematics, SCSVMV University, Kanchipuram on 27.10.2017.
- Organized *National Workshop on MATLAB in Applied Sciences* organized by Department of Mathematics, SCSVMV University, Kanchipuram on 15.09.2017-16.09.2017.
- Organized International Workshop on Graph Theory and its Applications organized by Department of Mathematics, SCSVMV University, Kanchipuram on 20.12.2018-21.12.2018.
- Acted as chair person for paper presentation in National Conference on Advances in Science, Humanities and Technology at Savitha School of Engineering, Chennai held on 11-12, July 2019.
- Organized National Workshop On Medical Statistics Using SPSS organized by Department of Mathematics, SCSVMV on 10th March 2022.
- Acted as Resource Person for Workshop on Vedic Mathematics organized by Department of Mathematics, SCSVMV on 18.5.2022
- Organized National Seminar on Ramanujan's Prime and Ramanujans Hardy Number on 22.12.2023.
- Organized Faculty Enrichment Programme for Sankara School Teachers from 16.5.2024 to 18.5.2024 organized by Faculty of Science and School of Education, SCSVMV, Enathur.
- Acted as Resource Person for Webinar on Tricks using Vedic Mathematics organized by Department of Mathematics, SCSVMV, Enathur on 28.1.2024.
- Acted as Resource Person in Ten day National level Virtual Faculty Development program on Indian Knowledge System on the topic Unveiling the Treasures-Vedic Mathematics conducted by Department of Mathematics, KG College of Arts and Science, Coimbatore and Shiksha Sanskriti Utthan Nyas(SSUN), Tamil Nadu from 20.5.2024 to 31.05.2024.
- Acted as Resource Person in Faculty Enrichment Programme for Sankara School Teachers from 15.5.2024 to 18.5.2024 organized by Faculty of Education and Faculty of

Seminars ,Workshops and QIP's Attended:

- Attended a Seminar on Solar Thermal Application held at SCSVMV on 08.03.03.
- Attended a Orientation Course sponsored by UGC and Organized by Bharathidasan University, Trichy from 19.05.03 to 15.06.2003
- Attended a workshop on Group Discussion On Domination Theory held at E.M.G Yadava College Madurai from 15.11.2004 to 24.11.2004 .
- Attended Regional Seminar on Intellectual Property Right held at SCSVMV on 9th and 10.03.05 .
- Attended a National seminar on Graph theory , Algorithms and Networks/Systems , organized by the department of Computer Science and Engineering, SCSVMV on 20.07.2009 and 21.07.2009.
- Attended a National seminar on Emerging Trends and Challenges in Higher Education in India organized by the School of Education ,SCSVMV on 21.08.2009
- Attended a National seminar on Emerging Research Trends in Basic Sciences, Organized by Department of Science and Humanities, held at SCSVMV on 19.03.2010
- Attended a National conference on Network and Distributed Systems Security and organized by the department of Computer Science and Engineering, SCSVMV on 20.01.2011 and 21.01.2011.
- Attended a National Workshop on Modern Techniques in Analytical Chemistry, Organized by the Department of chemistry, SCSVMV University on February 10-11,2011.
- Attended a Refresher Course sponsored by UGC and organized by the University of Madras from 28.09.12 to 18.10.12.
- Participated in the National Mathematics Day celebrations and attended a Lecture on Applications of Mathematics to Computer Vision and Machine Learning organized by the Department of Science and Humanities, SCSVMV University, on 28.01.2013.

- Attended a workshop on “Matlab and its application” organized by Department of Mathematics on 6th Sep-2013 at SCSVMV University, Kanchipuram.
- Participated in the National Level Workshop on ”Writing scientific proposals and for Quality Research” organized by Department of Science and Humanities, SCSVMV on 14th, February 2013.
- Attended Instructional workshop on Domination Theory at Kalasalingam University from 27.01.14 to 01.02.14.
- Attended the National Workshop on Matlab, Organized by Department of Mathematics, SCSVMV University, Kanchipuram, during 08.03.2014.
- Attended the National Workshop on Latex for Researchers, Organized by Department of Mathematics, SCSVMV University, Kanchipuram, during 15-16, February, 2014.
- Attended National Workshop on Math Using Open Source Software Organized by Department of Mathematics, SCSVMV University, Enathur on September 2015.
- Attended National Workshop on Matlab and its Applications Organized by Department of Mathematics, SCSVMV University, Enathur on October 2015.
- Attended National Workshop on Role of Nuclear and Radiation Chemistry In Energy generation”(RNRCEG-2016) Organized by the Department of Chemistry on January 2016
- Attended Regional Seminar on Cloud Computing and Big Data Analytics organized by Department of Mathematics on January 2016.
- Attended National Workshop on Math with Matlab. for Researchers organized by Department of Mathematics, SCSVMV University, Enathur on February 2016.
- Attended National Workshop on Effective Teaching & Learning Methodology Organized by the Department of ECE, SCSVMV University on February 2016.
- Attended Regional Seminar on Simulation of Cloud Computing Protocols Organized by the Department of Mathematics, SCSVMV University on February 2016.
- Attended Quality Enrichment Programme - I (QEP2016) Organized by the Department of Mathematics, SCSVMV University, Enathur on March 2016.
- Attended Special Seminar on Sailable Aspects of NAAC Organized by the Department of Mathematics, SCSVMV University, Enathur on March 2016.

- Participated in the Quality Enrichment programme -II organized by Department of Mathematics, SCSVMV University, Kanchipuram on 20.09. 2016.
- Participated in the Career Guidance Program on 29th Sep 2016, organized by the Department of Mathematics SCSVMV University, Enathur, Kanchipuram.
- Participated in the Fourth National Workshop on Instrumentation Techniques in Physics (PINTECH-15), on November-16 Organized by the Department of Physics, SCSVMV University, Enathur, Kanchipuram.
- Participated in the workshop on Matlab for researchers on 12th Feb 2017, organized by the Department of Mathematics SCSVMV University, Enathur, Kanchipuram.
- Participated in the world Mathematics day on 20th Feb 2017, organized by the Department of Mathematics SCSVMV University, Enathur, Kanchipuram.
- Participated in the National Seminar on Emerging Trends in Pure and Applied Mathematics on 24.02.2017 organized by the Department of Mathematics SCSVMV University, Enathur, Kanchipuram.
- Participated in the International Seminar on Fluid Mechanics 06.03.2017 organized by the Department of Mathematics SCSVMV University, Enathur, Kanchipuram.
- Participated in the Lecture on Application of Graph theory in daily today life on 06.04.2017 organized by the Department of Mathematics SCSVMV University, Enathur, Kanchipuram.
- Participated in the Lecture on “you” on 17.04.2017 Organized by the Department of Mathematics SCSVMV University, Enathur, Kanchipuram.
- Attended National Workshop on Math with Matlab. for Researchers organized by Department of Mathematics, SCSVMV University, Enathur on February 2016.
- Attended Workshop on Matlab in Applied Sciences organized by Department of Mathematics, SCSVMV University , Enathur, Kanchipuram on 15-16, September 2017.
- Attended Quality enrichment Programme organized by Department of Mathematics, SCSVMV University , Enathur, Kanchipuram on 27.10.2017.
- Attended World Mathematics Day organized by Department of Mathematics, SCSVMV University , Enathur, Kanchipuram on 23.3.2018.
- Attended International Conference on Pure and Applied Mathematics organized by Department of Mathematics, SCSVMV on 19-20, February 2018.

- Attended one day webinar on Writing A Research Grant Proposal organized by Faculty of Engineering & Computing Sciences, Teerthanker Mahaveer University on 15 th June, 2020
- Attended webinar on A Glimpse of MATLAB organized by Department of Physics, KPR Institute of Engineering and Technology on 27.5.2020
- One day National Webinar on Graph Theory on 12.6.2020 organized by the PG& Research Department of Mathematics, Government Arts College (Grade-1), C.Mutur, Chidambaram
- Attended National Webinar on “Theory of Graphs-An Emerging Field of Research on 20th June 2020 organized by PG & Research Department of Mathematics, Thiagarajar College, Madurai.
- Attended National Level webinar on ‘Latex Programme ‘ Organized by ‘Department of Mathematics , Queens College of Arts and Science for Women, Punalkulam on 22.12.2020
- Participated online workshop on Recent Trends in Domination and Graph Labelling organized by Department of Mathematics, Ramanujan College, University of New Delhi during 27.5.21to 31.5.2021.
- Participated in the webinar on Slam Robotics on 1.6.2021 organized by Department of Electronics and Instrumentation Engineering, SCSVMV.
- Attended National workshop on Glimpse of Engineering Mathematics and its Application organized by the Department of Mathematics, Sri Siva subramaniya Nadar College of Engineering Kalavakkam during 14.2.2022 to 18.2.2022.
- Attended Workshop on Vedic Mathematics organized by Department of Mathematics, SCSVMV, Enathur from 11.5.2022 to 26.5.2022.
- Attended Workshop on Mathematica organized by the Division of Mathematics, School of Advanced Sciences on 22nd June 2023 at Vellore Institute of Technology, Chennai.
- Attended two-Day Workshop on Complex Analysis and its Applications organized by the Division of Mathematics, School of Advanced Sciences on June 22 – 23, 2023 at Vellore Institute of Technology, Chennai.
- Attended One day Faculty Development Program on "Patent Drafting and Filing" organized by Bharathiyar Institute of Engineering for Women on 28.06.2023.
- Attended Webinar on Fixing Sets in Graphs on 22.3.2024 on the eve of International Mathematics Day organized by the Department of Mathematics, SCSVMV .
- Attended One day National workshop on “Outcome Based Education” organized by the Department of Management Studies, SCSVMV on 12.3.2024.
- Attended Ten day National level Virtual Faculty Development program on Indian Knowledge System on the topic Unvelling the Treasures-Vedic Mathematics conducted by Department of Mathematics, KG College of Arts and Science, Coimbatore and Shiksha Sanskriti Utthan Nyas(SSUN), Tamil Nadu from 20.5.2024 to 31.05.2024.

- Attended National Seminar on Ramanujans Prime and Ramanujan-Hardy number on the eve of National Mathematics Day organized by the Department of Mathematics, SCSVMV on 22.12.2023.

Other Activities:

Member of Board of Studies

Member- Hostel Accommodation Committee

Convener of Time Table Committee

IQAC coordinator

Chair Examiner for Question Paper setting in Periyar University (2016)

TNPSC Exam Chief examiner (2017)

Department Cultural co-ordinator

National Workshop on MATLAB in Applied Sciences – Organizing Secretary

UGC- Hospitality Committee- co ordinator

Anti Ragging Committee-Member

Stock Verification Committee-Convenor

Department Placement coordinator

Governor's Visit to SCSVMV-Hospitality Committee

