

### **Basic Details:**

- **Name:Dr.S. Dhanalakshmi**
- **Designation:AssistantProfessor(Sr. G)**
- **PhoneNumber:-8778799519**
- **EmailID:dhanalas1@srmist.edu.in**
- **AreaorSubject:Graph theory**
- **Affiliation:Departmentof Mathematics,SRMInstituteofScienceand Technology, Ramapuram.**

### **Educational Details:**

#### **Degree, University, AwardedYear**

- Ph.D –Mathematics-SRM Institute of Science and Technology, Kattankulathur-2019
- M.Phil – Mathematics– Alagappa University, Karaikudi -2003
- M.Sc- Mathematics – Annamalai University, Chidambaram-2001.

**Research Interests: Graph Theory ,Chemical Graph Theory,Rough Set Theory**

### **Publications:**

- S.Dhanalakshmi, N.Parvarthi and R.Arulprakasm, *A study of rough set approximations for a complementary graph*, International journal of scientific and Engineering research, Vol 6,Issue 3,March 2015 ISSN2229-5518
- S.Dhanalakshmi and N.Parvathi , *Lower and upper approximation H-graceful for some classes of graphs*, Global Journal of Pure and Applied Mathematics (GJPAM) ISSN 0973-1768 Volume 12,Number 1 (2016)

- S.Dhanalakshmi and N.Parvathi , *Minimum spanning tree of a rough graph having weight as trapezoidal fuzzy number*, Global Journal of Pure and Applied Mathematics (GJPAM) Global Journal of Pure and Applied Mathematics, Vol 11, I 1, B 143-E 147(SCOPUS)
- S.Dhanalakshmi and N.Parvathi, *Optimal transportation using MST algorithms*, International Journal of Applied Engineering Research, ISSN 0973-4562 Vol. 10 No.77 (2015)
- S.Dhanalakshmi and N.Parvathi , *Prime labeling of rough approximations of some graphs*, Indian Journal of Science and Technology, Vol 10(25), DOI: 10.17485/ijst/2017/v10i25/97915, July 2017
- S.Dhanalakshmi and N.Parvathi , *Even Graceful Labeling of Rough Approximations For  $P_n$  and Star Related Graphs* International Journal of Pure and Applied Mathematics Volume 114 No. 6 2017, 31 – 40
- S.Dhanalakshmi and N. Parvathi, *Mean square cordial labeling related to some acyclic graphics and its rough approximations*, Journal of physics:Conf series 1000(2018) 012040 doi:10.1088/1742-6596/1000/1/01204
- S.Dhanalakshmi and N.Parvathi, *Mean square cordial labeling related to some cyclic graphs*, Indian journal of Engineering and technology, 7(4.10)(2018) 797 – 800.
- S.Dhanalakshmi and N.Parvathi, *Mean square cordial labeling of some star related*, Journal of physics:Conf series 1000(2018) 012040 doi:10.1088/1742-6596/1377/1/012027
- S.Dhanalakshmi and N.Parvathi, *Mean square cordial labeling of some snake graphs*, International Journal of Innovative Technology and Exploring Engineering ISSN:2278-3075,Volume – 8,Issue-9S3,July 2019.
- S.Dhanalakshmi , *Mean square cordial labeling of shell butterfly graphs*, International Journal of Mathematics and Computer Science,15(2020), no. 4, 1235–1242
- S.Dhanalakshmi and N.Parvathi, *Mean square cordial labeling of Multiple Shell and Shell Flower Graph*, Advances and Applications in Mathematical Sciences Volume 21, Issue 4, February 2022, Pages 1965-1973 © 2022 Mili Publications, India.
- S.Dhanalakshmi and S.Thirunavukkarasu,*Breast Cancer Prediction using Some Machine Learning Models by Dimensionality Reduction of Various Features*, Indian Journal of Natural Sciences, Vol.12 ,Issue 70 , February 2022, ISSN: 0976 – 0997
- S.Vanishree and S.Dhanalakshmi ,*On Face Bimagic Mean Mabeling of Duplication of a Path Graph,Telematique* , Vol.21 , Issue 1 , August 2022, ISSN: 1856-4194,P.No 3262-3267
- R.Nagarathinami and S.Dhanalakshmi ,*Analyzing b-continuity for some inflated graphs*, AIP Conference Proceedings **2516**, 210040 (2022); <https://doi.org/10.1063/5.0115661> Published Online: 30 November 2022
- S.Dhanalakshmi,R.Nagarathinami and N.Parvathi ,*Mean square cordial labeling of subdivisionof some graphs*,AIP Conference Proceedings 2516, 210013 (2022); <https://doi.org/10.1063/5.0109630> Published Online: 30 November 2022

#### **Academic Experience:**

- Lecturer, Bharathi Arts and Science College kallakurichi,2003-2007.
- Lecturer,Dr.MGRUniversity ,Chennai,2007-2008.
- Assistant professor,SRM IST, Ramapuram,2008 to till date

**Other Professional Experience: NIL**

**Other Details:**

**Number of Ph.D Students Guiding: 02 ( SRMIST,Chennai)**

**Achievements and Awards:**

- Completed NPTEL course “Graph theory” with Elite + Silver certificate.
- Completed NPTEL course “Functions of several real variables ” with Elite + Silver certificate.

**Memberships:**

- Indian Science Congress
- International Association of Engineers

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**Some examples of standard faculty profiles from other institutions:**

- <http://isb.edu/faculty/facultydir.aspx?ddIFaculty=246>
- <http://engineering.stanford.edu/research/layout.php?sunetid=cfarhat>
- <http://public.tepper.cmu.edu/facultydirectory/FacultyDirectoryProfile.aspx?id=95>