

Name : Dr. S V Arokia Pratheesha
Designation : Assistant Professor
Department : Mathematics
Qualification : M.Sc., M.Phil., Ph.D.
Experience : Teaching – 3 Years | Research – 3 Years
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Academic Qualifications

Degree	Branch	Institution / University Name	Year
Ph.D.	Mathematics	Nirmala College for Women, Coimbatore	2024
M.Phil.	Mathematics	Loyola College, Chennai	2018
M.SC	Mathematics	Loyola College, Chennai	2017
B.SC	Mathematics	Arul Anandar College, Madurai	2015

Research Publications

- ❖ Arokia pratheesha S V and Mohana K, Generalized pre connectedness in Quadripartitioned single valued neutrosophic refined topological spaces, Journal of propulsion technology, Vol.44 Issue 4, (2023), 7235-72540.[Scopus]
- ❖ Arokia pratheesha S V and Mohana K, Extended Hausdorff distance and similarity measure in Quadripartitioned single valued neutrosophic refined sets and its application in medical diagnosis, Indian journal of natural science, Vol-14, Issue 77(2023), 55622-55629.[Web of Science]
- ❖ Arokia pratheesha S V and Mohana K, Medical Diagnostics based on correlation measure for quadripartitioned single valued neutrosophic refined sets European chemical bulletin, Vol 12, Issue 8(2023), -5070-5076.[Scopus]
- ❖ Arokia pratheesha S V and Mohana K, Quadripartitioned single valued neutrosophic refined σ -Baire spaces, Indian journal of natural science, Vol-14, Issue(79)(2023), 60276-60281.[Web of Science]
- ❖ Arokia pratheesha S V and Mohana K, Quadripartitioned single valued neutrosophic refined sets and its topological space, International journal of creative research thoughts, ijert, (10), d937-d948, (2022).
- ❖ Arokia pratheesha S V and Mohana K, Quadripartitioned single valued neutrosophic refined relations, AIP conference proceedings, 2965, 050001(2024)[Scopus].

Books/ Book Chapters Publication

- ❖ Arokia pratheesha S V and Mohana K, Quadripartitioned single valued neutrosophic refined contra generalized pre continuous mappings, Recent Trends in Fuzzy Set Theory and its Applications, IIP series ,pg.145-151(2024).
- ❖ Arokia pratheesha S V and Mohana K, Quadripartitioned single valued neutrosophic refined Volterra spaces ,Recent Trends in Fuzzy Set Theory and its Applications, IIP series, pg.31-37(2024).

Presentations in Conference/ Seminar

- ❖ Cordial Labeling for musical graph, “International Conference on recent trends in mathematics, Loyola College, Chennai.,07-Mar-2017
- ❖ Total magic Cordial Labeling for certain graph, “International Conference on computing sciences, Loyola College, Chennai.8-Jan-18 & 9-Jan-18
- ❖ Quadripartitioned single valued neutrosophic refined relations”, Third international conference on materials, computing and communication technologies, Annai vailankanni college of engineering, kanyakumari.20-June-22
- ❖ Extended Hausdorff distance and similarity measure in Quadripartitioned single valued neutrosophic refined sets and its application in medical diagnosis, International conference on contemporary approaches in sciences and humanities, Nirmala college for women, Coimbatore.2-Feb-23&3-Feb-23
- ❖ Correlation measure on quadripartitioned single valued neutrosophic refined sets and its application in medical diagnosis”, International Conference on recent development and techniques in pure and applied mathematics, Alagappa University. karaikudi. 23-March-23 & 24-March-23
- ❖ Quadripartitioned single valued neutrosophic refined resolvable and irresolvable spaces”, International Conference of mathematical sciences and applications. Sacred Heart. college. Tirupattur. 24-March-23 & 25-March-23
- ❖ Softmax function based Quadripartitioned single valued neutrosophic refined and application in multi attribute decision making problem, International conference on emerging trends in computational mathematics and data science, Sri Krishna Arts and Science College, Kuniamuthur, Coimbatore. 10-Jan-24 & 11-Jan-24

Participation in Conference/Seminar

- ❖ **International Seminar on Higher Mathematics** ,Loyola College, Chennai on 12-09-2017.
- ❖ **National Seminar on Contemporary Advancements in the Realm of Fuzzy Domain**, Nirmala College for Women, Coimbatore on 05.10.2023.

Participation in Workshop

- ❖ **Workshop on Applications of Graph Theory**, Loyola college, Chennai ,19-Aug-17.
- ❖ **Data Analysis using SPSS**,Loyola College,Chennai,12-Oct-17 & 13-Oct-17.
- ❖ **Workshop on Research Methodology**, Loyola College,Chennai,25-Nov-17 to 30-Nov-17
- ❖ **National Workshop on Python**, Government of Karnataka, Department of Collegiate Education,27-June-20.

