

## CURRICULUM VITAE

### **Dr.S. Dharmasaraswathi**

Guest Lecturer  
Department of Mathematics  
Mother Teresa Women's University  
Kodaikanal -624 101.  
Tamil Nadu, INDIA.



Cell:6383386330

Email: [dharmasaraswathi88@gmail.com](mailto:dharmasaraswathi88@gmail.com)

### **Educational Qualifications:**

<b>Course</b>	<b>Specialization</b>	<b>Name of the Institution</b>	<b>Board / University</b>	<b>Year of Completion</b>
<b>Ph.D</b>	Mathematics	Thiruvalluvar University, Vellore.	Thiruvalluvar University	2019
<b>M. PHIL</b>	Mathematics	Thiruvalluvar University, Vellore.	Thiruvalluvar University	2013
<b>M.Sc</b>	Mathematics	Government Thirumagal Mills College, Gudiyattam.	Thiruvalluvar University	2011
<b>B. Ed</b>	Tamil & Mathematics	Duraividyalakshmi College of Education, Gudiyattam.	Tamil Nadu Teachers Education University	2009
<b>B. Sc</b>	Mathematics	Government Thirumagal Mills College, Gudiyattam.	Thiruvalluvar University	2008
<b>H.S.C</b>	Mathematics & Biology	Govt. Higher Secondary School, Gudiyattam	State Board	2005
<b>S.S.L.C</b>	General	Govt. Girls.High School, Gudiyattam.	State Board	2003

### **Field of Specialization :**

- **Topology and Fuzzy Topology**

### **Details of Ph.D Degree:**

Month and year of **Ph.D** Degree Awarded:**December 2019**

Title of the Thesis “**Contribution to the study on various Fuzzy Topological Spaces.**”

### **Details of MPhil Degree:**

Month and year of **M.Phil** Degree Awarded: **October 2013**

Title of the Dissertation “**A study on fuzzy  $\alpha$  – continuous functions.**”

### **Area of Interest:**

- Topology
- Fuzzy Topology
- Graph theory
- Fuzzy Graph theory
- Neutrosophic Topology
- Operation Research
- Applications of Fuzzy Topology and Neutrosophic Topology

### **Research Experience: 2016 to Till**

Research in Thiruvalluvar University: Working as a Doctoral Research Fellow in the Department of Mathematics (2016 to 2019).

### **Current Research:**

Currently, I have focusing to study the properties of the following Fuzzy Topological Spaces,

- Fuzzy Simply & Simply\* Lindelof Spaces
- Fuzzy z-Hyperconnected Spaces
- Fuzzy Pseudo- Hyperconnected Spaces
- Fuzzy Feebly Lindelof Spaces

**Working Experience(With out PhD) :**

Name of the Institution	Designation	Specialization	Board / University	Duration
Mahendra College of Engineering, Minnampalli, Salem.	Assistant Professor	Mathematics	Anna University	10 Month
Sri SaradaNiketan College of Arts & Science for Women, Kanavaipudur, Omalur, Salem.	Assistant Professor	Mathematics	Periyar University	2 years
Municiple Govt. Hr. Sec. School, Gudiyattam, Vellore	PGT(PTA Staff)	Tamil & Mathematics	State Board	1 year
SGR Govt. Hr. Sec. School, Gudiyattam Vellore	PGT(PTA Staff)	Tamil & Mathematics	State Board	1 year

**Working Experience (with PhD) :**

Name of the Institution	Designation	Specialization	Board / University	Duration
Mother Teresa Women's University Research and Extension Centre, Saidapet, Chennai.	Guest Lecturer	Mathematics	Mother Teresa Women's University, Kodaikanal	September 2021 to Till (17 Months)

**Research Publications:****International Journals:**

- 1) **G.Thangaraj and S.Dharmasaraswathi**, *On fuzzy simply Lindelof spaces*, Adv. Fuzzy Math., 12(4) (2017), 955--964.  
<https://www.ripublication.com>  
**Publication House:**Research India Publications.
- 2) **G.Thangaraj and S.Dharmasaraswathi**, *On fuzzy simply\* Lindelof spaces*, Int.J. Adv. Math., 2018(2) (2018), 75--82.  
<https://creativecommons.org/licenses/by/3.0/>.  
**Impact factor:**5.87
- 3) **G.Thangaraj and S.Dharmasaraswathi**, *A note on fuzzy B\* sets*, Glob. J. Pure. App. Math., 14(8), (2018), 1029--1039.  
<https://www.ripublication.com>  
**Publication House:**Research India Publications.

- 4) **G.Thangaraj** and **S.Dharmasaraswathi**, *On fuzzy  $B^*$  sets*, Bull. Int. Math. Vir. Ins., 9(2019), 197--205.  
<https://www.imvibl.org/JOURNALS/BULLETIN>  
**Publication House:**Bulletin of Society of Mathematicians Banja Luka.  
**Impact factor:**0.9501
- 5) **G.Thangaraj** and **S.Dharmasaraswathi**, *On fuzzy strongly hyperconnected space*, American. Int. J. Research in sci. Tech. Engg and Mathematics.,(2019), 271--279.  
<http://www.iasir.net>  
**Impact factor:**5.962
- 6) **G.Thangaraj** and **S.Dharmasaraswathi**, *On fuzzy weakly simply Lindelof spaces*, International journal of Mathematics Research.,(2020), 39--45  
<https://www.ripublication.com>  
**Publication House:**Research India Publications.
- 7) **G.Thangaraj** and **S.Dharmasaraswathi**, *On fuzzy pseudo Lindelof spaces*, International Journal of creative Research Thoughts.,8(2020),5579—5582.

#### Publication in Proceedings:

- 8) **G.Thangaraj** and **S.Dharmasaraswathi**, *On fuzzy weakly simply\* Lindelof spaces*, (Communicated to Muktsabd journal.,).
- 9) **G.Thangaraj** and **S.Dharmasaraswathi**, *On Fuzzy  $z$ -hyperconnected spaces*, (Communicated to International Journal of Mathematics Trends and Technology.,).
- 10) **G.Thangaraj** and **S.Dharmasaraswathi**, *On Fuzzy Pseudo - hyperconnected spaces*, (Communicated to Indian Journal of Pure and Applied Mathematics .,).

#### Paper Presented:

- 1) Participated and presented the research paper entitled “*On fuzzy strongly hyperconnected space*” International conference on Mathematical Methods and computations – ICOMAS – 2019, PG & Research Department of Mathematics, Jamal Mohamed College, Tiruchirapalli-620020.

#### International/ National Conferences, Seminars and Workshops participated:

1. Participated in the *State Level conference on Mathematical Analysis and Applications*, organized by the PG Department of Mathematics, K.M.G. College of Arts and Science, Gudiyattam during 25 January, 2011.
2. Participated in the *State Level Seminar Magic Graphs and Statistical Inferences*, organized by the Department of Mathematics, MazharulUloom College, Ambur during 21 February, 2011.
3. Participated in the *National Conference on Mathematical Applications in Engineering and Techonology*, organized by the Department of Mathematics, Sacred Heart College (Autonomous), Tirupattur during 11-12 February, 2015.

4. Participated in the ***International Seminar on Recent Advances in Analysis and It's applications***, organized by the SrinivasaRamanujan Association, PG and Research Department of Mathematics, E.R.K. Arts and science College, Dharmapuri during 4 september, 2015.
5. Participated in a two day Workshop ***on Graph Theory And its Applications***, organized by the Department of Mathematics, Hindusthan college of Engineering and Technology, Coimbatore during 14-15 July, 2016.
6. Participated in the ***Seminar on Matlab and its Applications***, organized by the Department of Mathematics, Thiruvalluvar University, Vellore during 19<sup>th</sup> September, 2016.
7. Participated in a two day Workshop ***on Computational Intelligence, MATLAB and LaTeX***, organized by the Department of Mathematics, Mother Teresa Women's University, Kodaikanal during 14-15 March, 2017.
8. Participated in the ***National Conference on Advanced Trends in Mathematics*** organized by the Department of Mathematics, Thiruvalluvar University college of Arts and Science, Thennangur during 27 March, 2017.
9. Participated in the ***State Level Seminar on Mathematical Analysis and Applications - 2017***, organized by the Department of Mathematics, K.M.G College of Arts and science, Gudiyattam, Vellore during 10 August, 2017.
10. Participated in a one day ***Science Academics Workshop on emerging Trends in Mathematical Modelling in fluid Dynamics – ETMMF-2017*** organized by the Department of Mathematics, Thiruvalluvar University, Serkkadu during 4 December, 2017.
11. Participated in UGC Autonomous Funded ***International Conference on Intuionistic fuzzy sets and their Applications***, organized by PG & Department of Mathematics, Islamiah College (Autonomous), Vaniyambadi, Vellore during 10 -11 January, 2018.
12. Participated in the ***International Conference on Mathematical Modelling Analysis and computing-(MMAC-2018)***, organized by the Department of Mathematics, Thiruvalluvar University, Vellore during 13-14<sup>th</sup> December 2018.
13. Participated and presented the research paper entitled “*On fuzzy strongly hyperconnected space*” ***International conference on Mathematical Methods and computations – ICOMAS – 2019***, PG & Research Department of Mathematics, Jamal Mohamed College, Tiruchirapalli during 20-21 Feb 2019
14. Participated in the ***International Seminar on Recent Advancement in Mathematics-(ISRAM-2019)***, organized by the Department of Mathematics, Thiruvalluvar University, Vellore during 17<sup>th</sup> September, 2019.
15. Participated in five days ***International workshop on mathematics meets the world: recent trends and developments***, organized by the Department of Mathematics, VIT University, Vellore during 30 Jan – 3 Feb 2020.
16. Participated in the ***Webinor on Basis of Latex***, organized by the Pg and Research Department of Mathematics, Voorhees College, Vellore during 13<sup>th</sup> June 2020.

17. Participated in Three days *Webinor on Emerging Trends in Graph Theory*, organized by the Pg and Research Department of Mathematics, Sacred Heart College, Vellore during 14-16<sup>th</sup> June 2020.
18. Participated in the *National Webinor on Topological Indices- worm's Eye view*, organized by the PG and Research Department of Mathematics, St.Joseph's College of arts and science, cuddalore during 17<sup>th</sup> June 2020.
19. Participated in the *NationalWebinor on Fuzzy Applications*, organized by the PG and Research Department of Mathematics, St.Joseph's College of arts and science, cuddalore during 18<sup>th</sup> June 2020.
20. Participated in two days *Webinar on Applications of Advanced Mathematics & Statistics*, Organized by PG & Research Department of Mathematics & Department of Statistics, MarudharKesari Jain College for Women, Vaniyambadi during 29th & 30th June 2020.
21. Participated in International conference on Recent Advances in Mathematical Science and its Applications – ICRAMSA – 2021, Department of Mathematics, Mother Teresa University, kodaikanal – 624 101.

#### Software Experience:

- LATEX
- MS Office

#### Personal Information:

<b>Name</b>	:	S.Dharmasaraswathi
<b>Date of Birth</b>	:	13 -07-1988
<b>Gender</b>	:	Female
<b>Marital Status</b>	:	Married
<b>Nationality</b>	:	Indian
<b>Place of Birth</b>	:	Vellore, Tamilnadu