

STAFF PROFILE

- 1) Name : Dr.M.Trinita Pricilla
- 2) Designation : Assistant Professor
- 3) Department : Mathematics
- 4) Qualification : M.Sc.,M.Phil.,Ph.D
- 5) Experience : Teaching :12 years 7 months Research : 10 years
- 6) Area of Specialization (s) : Topology
- 7) E-mail : sharmila.kennet@gmail.com
- 8) Academic Qualifications: M.Sc.,M.Phil.,Ph.D
- 9) Research Guidance

Programme	No. of Scholars	
	Completed	Pursuing
Ph. D.	-	4
M. Phil.	3	1

- 10) Research Publications

International

1. I.Arockiarani and M.Trinita Pricilla, On supra Generalized b-closed sets, *Antartica Journal Of Mathematics.*, (2011) 8(2), 115-121.
2. I.Arockiarani and M.Trinita Pricilla, On Supra T-closed sets, *Int.J.Mathematical Archive.*, (2011) 2(8),1376-1380.
3. I.Arockiarani and M.Trinita Pricilla, On Almost contra $g^{\mu}b$ – continuous functions, *Int.J.of Mathematical sciences and Applications*, (2011) 1(3), 1537-1542.

4. I.Arockiarani and M.Trinita Pricilla, Approximately - $g^u b$ – continuous functions, *Bulletin of Kerala Mathematics Association*, (2011) 8(2) ,293-302.
5. I.Arockiarani and M.Trinita Pricilla, On Completely $g^u b$ – irresolute functions in supra topological spaces,*Int.J.of Mathematical Engineering and science.*, (2012) 1(4) , 72-80.
6. I.Arockiarani and M.Trinita Pricilla, τ^* –Generalized b-Locally closed sets in supra topological spaces,*Int.J.of Computer Application.*, (2012) 2(2) ,206-214.
7. I.Arockiarani and M.Trinita Pricilla, $g^u b$ –homeomorphisms in supra topological spaces, *Int.J.of Theoretical and Applied Physics*, (2012) 2(1), 49-60.
8. I.Arockiarani and M.Trinita Pricilla, On Contra $g^u b$ – continuous functions and Contra $g^u b$ irresolute functions, *Int.J.of Advanced Scientific Research and Technology*, (2012) 3(2), 1-7.
9. I.Arockiarani and M.Trinita Pricilla, Some Stronger Forms of $g^u b$ – continuous functions, *IOSR Journal of engineering*, (2012) 1(1),111-117.
10. I.Arockiarani and M.Trinita Pricilla, On Generalized b- regular closed sets in supra topological spaces, *Asian Journal of current Engineering and Maths* (2012) 1(1) ,1-4.
11. I.Arockiarani and M.Trinita Pricilla, τ^* -generalized b -closed sets in supra topological spaces, *Far East Journal of Applied Mathematics*, (2011) 55(2).
12. I.Arockiarani and M.Trinita Pricilla, On totally $g^u b$ – Continuous functions in supra topological spaces, *J. Acad. Indus. Res.* (2012)1 (5), 246-250.
13. I.Arockiarani and M.Trinita Pricilla, $\pi\Omega$ –Closed and $\pi\Omega_s$ –closed set in supra Topological spaces, *Int. J Comp Sci. Emerging Tech.*, (2011) 2(4) ,534-538.
14. M.Trinita Pricilla and R.Sindhiya, Pairwise bg closed and pairwise $*$ bg -closed set in Bitopological space, *International Journal of Mathematical Archive* (2015) 6(8) ,201-

206.

15. M.Trinita Pricilla and Maggi.I, $\mu\alpha^*$ -closed set and $\mu\alpha^{**}$ -closed set in supra topological spaces,*International Journal of Innovative research in science,Engineering and technology* (2016) 5(6),11558-11562.
16. S.Pavulin Rani and M.Trinita Pricilla , A note on Various types of continuity via J_p^μ -closed sets $J_p^{\mu*}$ -closed sets ,*Mathematical Sciences International Research Journal*,(2016) 5(2),183-186.
17. M.Dhanapackiam and M.Trinita Pricilla, A new version of locally closed sets in nano topological spaces, *IARJSET*, 2016 3(7),241-246 .
18. M.Dhanapackiam and M.Trinita Pricilla, New class of Nano*generalized b-continuous functions in nano topological spaces, *IJESC*, 2016 6(8),2264-2269 .
19. M.Dhanapackiam and M.Trinita Pricilla, Some forms of nano*generalized b-closed maps in nano topological spaces, *IJAR*, 2016 2(9),756-762.
20. Mary Margaret. A, Trinita Pricilla. M, Neutrosophic vague generalized pre-closed sets in neutrosophic vague topological spaces, *International Journal of Mathematics and its Applications*, (2017)5(4), 747–759.
21. S.Pavulin Rani and M.Trinita Pricilla,Generalized b closed sets in vague topological spaces,*International Journal of Applied Research*, (2017) 3(7),519-525.
22. S.Pavulin Rani and M.Trinita Pricilla,Vague generalized b continuous mappings,*IJRASET*, (2017)5(8),1408-1418
23. S.Pavulin Rani and M.Trinita Pricilla,Vague contra generalized b continuous mappings, *International Journal for Scientific Research*, (2017)5(7),682-685

24. Mary Margaret. A, Trinita Pricilla. M, Neutrosophic vague generalized pre-continuous and irresolute mappings, *International Journal of Engineering, Science and Mathematics*, (2018) 7(2), 228–244.
25. Mary Margaret. A, Trinita Pricilla. M, Neutrosophic Vague Generalized Pre Connectedness in Neutrosophic Vague Topological Space, *International Journal of Mathematics Trends and Technology*, (2018)58(2), 85–93.
26. Mary Margaret. A, Trinita Pricilla. M, On Neutrosophic Vague Generalized Pre Minimal Closed Sets, *International Journal of Scientific Research and Review*, (2018)7(10), 171–179.
27. Mary Margaret. A, Trinita Pricilla. M, A Note On Neutrosophic Vague P-Spaces And Weak Neutrosophic Vague P-Spaces, *International Journal of Mechanical and Production Engineering Research and Development*, (2018) 8, 1242–1250.
28. Mary Margaret. A, Trinita Pricilla. M, Some Forms of NVGP-Irresolute Mappings, *International Journal of Research and Analytical Reviews*, (2019)6, 24–30.
29. Mary Margaret. A, Trinita Pricilla. M, Neutrosophic Vague Topological Spaces, *Neutrosophic Sets and Systems*, (2019)28, 179–190.
30. Mary Margaret. A, Trinita Pricilla. M, An Application of Neutrosophic Vague Max-Min Composition Technique, *International Journal of Engineering and Advanced Technology*, (2019)9(1), 5586–5589.
- 31 Arulpandy P, Trinita Pricilla M, Some similarity and entropy measurements of bipolar Neutrosophic soft sets, *Neutrosophic Sets and Systems*, (2019)25(1), 174-194.
32. Arulpandy P, Trinita Pricilla M, Reduction of indeterminacy of gray scale image in bipolar neutrosophic domain, *Neutrosophic Sets and Systems*, (2019)28(1), 1-12.
33. Priya.I, Trinita Pricilla M, Vague generalized semi closed sets in Vague topological spaces, *The International Journal of analytical and experimental modal analysis*, (2019)11(10), 1334-1340.
34. Priya.I, Trinita Pricilla M, Vague generalized semi continuous mappings in topological spaces, *Journal of Information and Computational Sciences*, (2019)9(11), 682-690.
35. Arulpandy P, Trinita Pricilla M, Salt and pepper noise reduction and edge detection using neutrosophic logic, *Computer Science*,(2020) 21(2) , 179-195.

36. Arulpandy P, Trinita Pricilla M, Speckle Noise Reduction and Image Segmentation Based on a Modified Mean Filter, *Computer Assisted Methods in Engineering and Science*, (Online First copy) (2020).
37. Anjaline W, Trinita Pricilla M, p-semi closed sets in penta topological spaces, *Infokara Research*, (2020)9(1),1-4.
38. Reena Joice P, Trinita Pricilla M, NT123* gp closed set in Nano Tri Star Topological Spaces, *Infokara Research*, (2020) 9(1), 65-69.
39. M.Dhanapackiam and M.Trinita Pricilla, A New class of Neutrosophic Nano gb-closed sets in neutrosophic nano topological spaces, *JICS*,(2020)10(10),407-416.
40. M.Trinita Pricilla, A Novel Approach for Neutrosophic vague sets and their execution in Decision Making Problem, *Strad Research*,(2020)7(8),348-354

11) Other Publications

- 1.S.Pavulin Rani, M.Trinita Pricilla, Completely generalized b continuous functions and Slightly generalized b continuous functions in vague topological spaces ,Nirmala Annual Research Congress,2017,178-184
2. Mary Margaret.A, M.Trinita Pricilla, Some operations on fuzzy Neutrosophics sets, Nirmala Annual Research Congress,2017, 185-190
- 3.Kalaivani.M, Trinita Pricilla.M, Supra b minimal and supra *b minimal homeomorphism in Supra Topological Spaces, Nirmala Annual Research Congress,2018,122-126
- 4.M.Dhanapackiam.Trinita Pricilla.M, On Almost Contra Nano*Generalized b- continuous functions, Nirmala Annual Research Congress,2018,127-131
5. Arulpandy.P, Trinita Pricilla.M, On distances between Generalized Single Valued Neutrosophic Sets, Nirmala Annual Research Congress,,132-135
6. Mary Margaret.A, M.Trinita Pricilla, Weaker and Stronger Forms of NVGP-irresolute mappings, Nirmala Annual Research Congress,2018,136-139

7. Priya.I,M.Trinita Pricilla,Vague almost π -generalized semi closed Mappings in vague topological spaces, Nirmala Annual Research Congress,2019,201-204
8. M.Dhanapackiam.Trinita Pricilla.M,Neutrosophic nano gb-continuous functions in neutrosophic nano topological spaces , Nirmala Annual Research Congress,2018,127-131

12) Presentations in Conference

International

1. Presented a paper entitled On Ultra Spaces in the International Conference on Mathematics and Computer Science conducted by PG & Research Department of Mathematics,Loyola College on 07.01.2011 and 08.01.2011

13) Participation in Conference

1. Participated in the International Conference on Mathematics and Computer Science conducted by PG & Research Department of Mathematics,Loyola College on 07.01.2011 and 08.01.2011

14) Participation in Seminar

1. Participated and presented a paper entitled $\pi\Omega$ and $\pi\Omega_s$ closed sets in supra topological spaces in the UGC sponsored National Seminar on RTAMS-2011 conducted by Nirmala College for Women on 27.01.2011
2. Participated and presented a paper entitled supra Π –Generalized b closed sets in the UGC sponsored National Seminar on Recent Advances in Fuzzy Mathematics and its Applications conducted by Nirmala College for Women on 05.07.2011 & 06.07.2011
3. Participated and presented a paper entitled on Contra $g^#b$ - continuous functions in the UGC national level Staff Seminar on Recent Advancements in Pure and Applied Mathematics conducted by Sri Saradha College for Women on 10. 02.2012

15) Participation in Workshop

1. Participated in the Two Day Workshop in Topology conducted by Nirmala College for Women on 17.09.2010 &18.09.2010
2. Participated in the One Day national Level Workshop on Recent Trends in Topology conducted by Coimbatore Institute of Technology on 28.01.2011
3. Participated in the Workshop on Joy of teaching Transforms (Laplace ,Fourier and Z) from Engineering perspective conducted by PSG College of Technology on 04.08.2012
4. Participated in the Science Academies Lecture Workshop on New Vistas on Mathematical Modeling conducted by Nirmala College for Women from 13.08.2012-14.08.2012
5. Participated in the Workshop on "Preparation of e- content-design,Editing and Production"organized by Department of Zoology on February 9th and 10th 2016
6. Participated in the Workshop on Outcome based education conducted by IQAC, Nirmala College for Women on 24.03.2018
7. Participated in the Online Workshop on mathematical Analysis(MATAAN-2020) conducted by Loyola College(Autonomous)Chennai from 08.06.2020 to 13.06.2020
8. Participated in the Workshop on “ Academic Publications & Bibliometrics” conducted by Department of Library, Nirmala College for Women,Coimbatore on

16) Participation in Orientation Programme/ Induction Programme/ Short term Courses

1. Participated in the UGC-Sponsored 118th Orientation Programme conducted by UGC-Human Resource Development Centre,Bharathiar University from 17.11.2017-14.12.2017
2. Participated in the UGC-Sponsored Online Refresher Course in Mathematics conducted by UGC-Human Resource Development Centre,Bharathidasan University from 25.11.2020-08.12.2020

17) Participation in Faculty Development Programme

1. Participated in the Faculty Development Program on Probability and Queueing Theory conducted by Sri Eshwar College of Engineering from 29.11.2012 – 02.12.2012
2. Participated in the Faculty Enrichment Program on Lattice Minerva conducted by Jansons Institute of Technology from 04.03.2013 – 06.03.2013
3. Participated in the Faculty Development Program on Environment Audit of Infrastructure, Extension Activity and Institutional Social Responsibility organized by IQAC, Nirmala College for Women on 30th October 2015
4. Participated in the Faculty Enrichment Program on Internet of things conducted by the Department of C.Sc, IT and BCA, Nirmala College for women on 24.02.2018
5. Participated in the Faculty Enrichment Program on Photoshop conducted by the Department of C.Sc, IT and BCA, Nirmala College for women from 21.03.2018 – 22.03.2018
6. Participated in the One week National level online Faculty Development Programme in R Language conducted by the Auxilium College (Autonomous), Vellore, Tamilnadu, in collaboration with Spoken-Tutorial Project, IIT Bombay, funded by National Mission of Education through ICT, MHRD, Govt. of India from 13.05.2020 to 20.05.2020
7. Participated in the Online FDP on Educational Analytics conducted by School of Management, Kristu Jayanthi College, Bengaluru from 02.05.2020 to 09.05.2020
8. Participated in the Online FDP on exposure in Moodle learning Management System

conducted by Kaypeeyes Colleg of Arts and Science,Kotagiri,Nilgiris from 29.04.2020 to 01.05.2020

9.Participated in the Two Weeks Faculty Development Programme on "MANAGING ONLINE CLASSES and CO-CREATING MOOCS:2.0 conducted by Teching Learning Centre,Ramanujan College,University of Delhi,Sponsored by MHRD.

10.Participated in the FDP on "Artificial intelligence and Machine Learning in Biological Data Analysis" conducted by Department of Computer Science and Computer Application, PSGR Krishnammal College for Women, Coimbatore on 29.03.2021

11.Participated in the five days FDP on "The Future Technology:Artificial intelligence" conducted by Kings Engineering College,Chennai from 24.05.2021 to 28.05.2021

12. Participated in a 15 hour long Faculty Development Program on "Fundamentals of AI and ML" organized by ICT Academy from 10.05.2021 - 14.05.2021

13. Participated in the five days FDP on Mathematucal Tools conducted by Hindhusthan College of Engineering College,Coimbatore from 21.06.2020 to 25.06.2020

14.Participated in the Faculty Development Programme on MATLAB an its Applications conducted by Dr.N.G.P Instiute of Technology from 07.06.2021-12.06.2021

15. Participated in the Faculty Development Programme on Datasience conducted by E & ICT Academy, IIT,Kanpur from 28.06.2021 to 03.07.2021

18) Conference/ Seminar/ Workshop Organized

- Organized National Seminar on “Echo of Mathematics” on 12.02.2016.
- Organized an International Conference on Mathematics and Computer Science from 15.12.2016 to 18.12.2016
- Organized One day seminar on “Fundamentals on Complex Analysis” on 10.10.2017.
- Organized Symposium on Analysis, on 06.12.2017.
- Organized a one day National Seminar “Trends and Challenges in Mathematical Modelling”, on 05.01.2018.
- Organized Symposium on Algebra, on 10.02.2018.
- Organized One day seminar on “Differential Equations” on 01.03.2018.
- Organized One day Symposium on Analysis, on 01.02.2019.
- Organized A one day National Seminar “Recent Trends in Graph Theory (RTGT 2019)”, on 21.02.2019.
- Organized Symposium on Analysis on 27.02.2020.
- Organized One day Lecture Workshop on Differential Equations on 02.02.2019.
- Organized Lecture workshop on Complex Analysis on 02.03.2019.
- Organized a two day Faculty Development Programme on Online Teaching Methods from 20.05.2020 to 21.05.2020
- Organized three day online International Webinar series on “HUMAN VALUES” from 13th -15th May, 2021
- Organized a Two Days hands on training in data Analytics with R from 17.08.2021 to 18.08.2021
- Organized a Two Days hands on training in data Analytics with R Programming from 27.10.2021 to 28.10.2021

19) Invited Speaker/ Session Chair – Conference/ Seminar/ Workshop

- Guest speaker for the Orientation Programme on the topic “GRAPH THEORY AND ITS APPLICATIONS” on 13.9.2021

20) Awards and Achievements

- Selected for the award of INSA Visiting Scientist FY 2021-22 for a period of two months