STAFF PROFILE

1) Name   : Dr.A.FRANCINA SHALINI

2) Designation   : Assistant Professor

3) Department   : Mathematics (Aided)

4) Qualification   : M. Sc., M. Phil., B. Ed., Ph. D.,

5) Experience   : 17 years   Teaching :17 years   Research : 10years

6) Area of Specialization (s)   : General Topology, Fuzzy Topology

7) E-mail   : francshalu@gmail.com

8) Academic Qualifications : M. Sc., M. Phil., B. Ed., Ph. D.,

9) Research Guidance

Programme	No. of Scholars	
	Completed	**Pursuing**
Ph. D.	2	3
M. Phil.	5	-

10) Research Publications

International

1) G Angelin Tidy, **A. Francina Shalini,** On Soft SGB-Closed sets in soft topological spaces, *International Journal of Applied Research* (2017), Volume 3, Page No. 141 – 144

2) G. Angelin Tidy and **A. Francina Shalini**, On IF sgb – Closed Sets in Intuitionistic Fuzzy Topological Spaces, *International Journal for Research Trends and Innovation* (2018), Volume 3 (7), Page No. 62 – 66

3) G. Angelin Tidy and **A. Francina Shalini**, IFSGb-continuous mappings in intuitionistic fuzzy topological spaces, *International Journal of Innovative Research in Technology* (2018), Volume 5 (6), pp 380 - 387

4) G. Angelin Tidy and **A. Francina Shalini,** A Study of sgb-frontier in Intuitionistic Fuzzy Topological Spaces, *Nirmala Annual Research Congress* (2018), pp 85 – 92, ISBN-978-93-5321-859-1

5) G. Angelin Tidy and **A. Francina Shalini,** On IFSGB – Connectedness in Intuitionistic Fuzzy Topological Spaces, International Journal of Mathematical Archive (2019), Volume 10 (1), pp 72 - 77

6) G. Angelin Tidy and **A. Francina Shalini**, VSGb – Closed Sets in Vague Topological Spaces, *International Journal For Scientific Research and Development* (2019), Volume 6 (11), pp 149 – 153

7) M. Avila Princy and **A. Francina Shalini,** Cech D – closed Sets in closure spaces, *International Journal of Innovative Research in Technology* (2018), Volume. 4 (9), Page No. 191 - 195

8) M. Avila Princy and **A. Francina Shalini,** N_β closed sets In Neutrosophic Topological Spaces, *Infokara Research* (2019), Volume 8 (8), Page No. 540 – 546

9) M. Avila Princy and **A. Francina Shalini,** Various distances on q^{th} rung orthopair Picture Fuzzy Set and MABAC method for multiple attribute group decision Making, *Infokara Research* (2019), Volume. 8 (10), Page No. 108 - 115

10) **A. Francina Shalini** and I. Arockiarani, Čech $\pi g\beta$ – closed sets in Biclosure Spaces, *Antartica. J. Math* (2011), Volume. 8(2), Page No. 153 - 58

11) M. Divya Bharathi**, A. Francina Shalini,** sgβ-closed sets in Biclosure spaces, *International Journal of Applied Research* (2017), Volume 3, Page No. 1188 – 1192

12) M. Divya Bharathi, **A. Francina Shalini**, New functions in BiČech sgβ-Biclosure spaces, *International Journal For Research In Applied Science and Engineering Technology* (2017), Volume 5, Page No. 1188-1192

13) Emimanimcy. M, **A. Francina Shalini**, Bipolar valued fuzzy BZMV algebra, *International Journal of Scientific Development and Research* (2019), Volume 4, Page No. 255 - 261

14) **A. Francina Shalini** and I. Arockiarani, i – Regular Generalized Closed Sets in Isotonic Spaces, *International Journal of Mathematical Archive* (2011), Volume. 2 (10), Page No. 1985 - 1991

15) **A. Francina Shalini** and I. Arockiarani, On Generalized β – connectedness in Isotonic Spaces, *International Journal of Engineering and Science* (2013), Volume. 2 (2), Page No. 30-34

16) **A. Francina Shalini** and I. Arockiarani, Čech πgβ – closed sets in closure Spaces, *Journal of Global Research in Mathematical Archives* (2013), Volume. 1 (4), Page No. 40 – 49

17) **A. Francina Shalini** and I. Arockiarani , Pairwise π-closed sets in Biclosure Spaces, *International Journal of Innovative Research and Studies* (2014), Volume. 3, Page No. 393 – 402

18) **A. Francina Shalini** and I. Arockiarani, π – Bicontinuous Maps in Biclosure Spaces, International Journal of Innovative Research and Studies, (2011)

19) **A. Francina Shalini** and I. Arockiarani, Δ - Čech fuzzy closed sets in closure spaces, International Journal of Mathematical Research and Science (2011).

20) **A. Francina Shalini** and I. Arockiarani, New Functions In Cech πGβ - Closure Spaces, *International Journal of Recent Scientific Research* (2016), Volume. 7 (1), Page No. 8515-8517

21) **A. Francina Shalini,** I Arockiarani, On Generalised β-Connectedness In Isotonic Spaces, *International Refereed Journal of Engineering and Science* (2013), Volume 2, Page No. 30 – 34

22) **A. Francina Shalini,** Neutrosophic Vague Soft Matrices in Decision Making Problems, *Strad Research Journal* (2020), Volume 7, Page No. 484 – 491

23) T. Muthu Priya and **A. Francina Shalini**, Čech MP – closed sets in closure spaces, *International Advanced Research Journal in Science, Engineering and Technology* (2016), Volume. 3 (8), Page No. 59-62

24) R. Lalitha, **A Francina Shalini,** On Nano generalized^-closed and open sets in Nano topological spaces, *International Journal of Applied Research* (2017) Volume 3, Page No. 368 - 371

25) T. Muthu Priya and **A. Francina Shalini**, On Contra Čech MP –continuous function in Čech closure spaces, *International Journal of Applied Research* (2016), Volume. 2 (9), Page No. 781 – 788

26) T. Muthu Priya and **A. Francina Shalini,** Čech MP –continuous and Čech MP irresolute maps, *International Journal of Engineering Science and Computing* (2016), Volume. 6 (8)

27) T. Muthu Priya, **A. Francina Shalini,** On Soft Čech MP-closed sets and continuous functions in Softˇech closure spaces, *International Journal of Applied Research* (2016) Volume 2, Page No. 451 – 456

28) P. B. Remya and **A. Francina Shalini,** Vague Binary Soft Sets and their Properties, *International Journal of Engineering, Science and Mathematics* (2018), Volume.7, Page No. 56-73

29) P. B. Remya **and A. Francina Shalini**, Vague Binary Soft Topological Spaces, Compliance Engineering Journal (2020), Volume. 11, Page No. 20 -30

30) P. B. Remya and **A. Francina Shalini,** On Various Distance Measures of Vague Binary Soft Sets, *Infokara Research* (2019) Volume 8, Page No. 472-482

31) P. B. Remya and **A. Francina Shalini,** Measures of Similarity between Vague Binary Soft Sets, *International Journal of Research in Advent Technology* (2019) Volume. 7, Page No. 254-259

32) P. B. Remya and **A. Francina Shalini,** Pythagorean Vague Binary Soft Sets, *The International Journal of Analytical and Experimental Modal analysis* (2019), Volume XI, Page No. 845-855

33) P. B. Remya and **A. Francina Shalini**, Neutrosophic Vague Binary Sets, *Neutrosophic Sets and Systems* (2019), Volume 29, Page No. 227 - 241

34) P. B. Remya and **A. Francina Shalini,** Neutrosophic Vague Binary BCK/BCI - algebra, *Neutrosophic Sets and Systems* (2020) Volume. 35, Page No. 45 – 67

35) P. B. Remya and **A. Francina Shalini,** Neutrosophic Vague Binary G- subalgebra of G - algebra, *Neutrosophic Sets and Systems* (2020) Volume. 38, Page No. 576 – 598

36) M. Salami Martina and **A. Francina Shalini,** A study on Neutrosophic sgp-closed set in Neutrosophic Topological Spaces, *Journal of Information and Computational Science* (2020), Volume 10 (2), Page No. 1283 – 1292

37) P. B. Remya, **A. Francina Shalini,** Trigonometric Normalized Euclidean Similarity Measure for Vague Binary Soft Sets, *International Journal of Humanities and Sciences*, 1 (1), 2021, 107 – 112

38) P. B. Remya, **A. Francina Shalini,** Vague Binary Soft Continuity, Poincare Journal Of Analysis and Publications, Vol. 8, No. 1 (I), 2021, Special Issue, 281 – 297

39) P. B. Remya, **A. Francina Shalini,** Neutrosophic Vague Binary BZMV^{dM} – subalgebra of BZMV^{dM} –algebra, *Neutrosophic Sets and Systems*, (Communicated)

40) P. B. Remya, **A. Francina Shalini,** Neutrosophic Vague Binary K – subalgebra of K - algebra, *Neutrosophic Sets and Systems*, (Communicated)

Presentations (International)

1) **A. Francina Shalini** and I. Arockiarani, On Generalized β closure spaces and Separations, Presented Paper in *International Conference in Islamiah College*, Vaniyambadi

National

1) C. Amala Kavya and **A. Francina Shalini,** Correlation Coefficients using Pythagorean Picture Fuzzy Sets, *Nirmala Annual Research Congress Proceedings* (2019), Page No 105 – 111, ISBN – 978 – 93 – 5391 – 196 - 6

2) T. Muthu Priya and **A. Francina Shalini,** On Supra MP – closed sets in Supra Topological Spaces on Nirmala and continuous function in Soft Čech closure Spaces, *Nirmala Annual Research Congress Proceedings* (2016)

3) A. Nancy Mary and **A. Francina Shalini,** Neutrosophic Vague Generalized β Closed Sets In Neutrosophic Vague Topological Spaces, *Nirmala Annual Research Proceedings* (2019), Page No 157 - 164, ISBN – 978 – 93 – 5391 – 196 - 6

4) P. B. Remya, **A. Francina Shalini,** Vague Soft Matrix in Decision Making, *Nirmala Annual Conference Proceedings* (2018), Page. No. 80 – 84, ISBN-978-93-5321-859-1

5) P. B. Remya, **A. Francina Shalini,** Trigonometric Normalized Hamming Similarity Measure for Vague Binary Soft Sets, *Nirmala Annual Research Proceedings* (2019), Page No. 151 – 157, ISBN – 978 – 93 – 5391 – 196 - 6

11) Participation in Conferences

- 1."Future Trends in Topology and its Applications" PSGR Krishnammal College for women, Coimbatore (UGC Sponsored National Seminar) on 07. 08. 2019 to 08. 08. 2019

- 2.Exploration of Research innovations its Trends and challenges, "ICSSR-Sponsored One day National Level Symposium" organized by IQAC of Nirmala College for Women, 10.01.2020 -11. 01. 2020.

12) Participation in Workshop

- Workshop on "Outcome based education " Organized by IQAC on 24.03.2018 at Nirmala College.

13).Participation in Seminar

- UGC Sponsored Seminar on"Plagiarism detection tools and techniques" on 21.10.2017 at GVG College ,Udumalpet

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

- Attended 28 days 92nd Orientation Programme at Madras University HRDC from 03.11.2009 to 30.11.2009

- Attended 14 days Refresher Course in Mathematics Madras University HRDC from 11.11.2011 to 01.12.2011

- Attended 14 days Refresher Course in Mathematics Madurai Kamaraj University HRDC from 08.12.2020 to 23.12.2020.

15) Conference/ Seminar/ Workshop Organized

- Organized National Seminar on "Echo of Mathematics" on 12.02.2016.

- 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 National Seminar -a New Cognitive Approach to real life problems via Mathematics on 05.12.2019.

- 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.

- Organised Three days webinar on "Breaking Barriers through Brains" from 18.5.2020-20.05.2020