

## STAFF PROFILE

- 1) Name : Dr. Sr. Selvi. A  
2) Department : Mathematics  
3) Designation : Assistant Professor  
4) Address

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7) Academic Qualifications:

Qualification	Programme	University	Year
Ph.D.	Mathematics	Bharathiar University	2017
M. Phil.	Mathematics	Bharathiar University	2011
PG	Mathematics	Bharathiar University	2010
UG	Mathematics	Bharathiar University	2006

**8) Career profile:**

<b>Organization</b>	<b>Designation</b>	<b>Duration</b>
Providence College for Women	Assistant Professor	2011-2024 (SF) 2024 onwards (Aided)

**9) Participation in Orientation Programme / Refresher Course / Short term course / FDP**

<b>S.No.</b>	<b>Participation</b>	<b>Organization</b>	<b>Date</b>	<b>Days</b>
1	Faculty Development Programme on R-Programming	Sri Krishna Arts and Science College, Coimbatore	19.4.2020 to 24.4.2020	6
2	Faculty Development Programme on Fuzzy Sets and Fuzzy Systems	Patrician College of Arts and Science College, Chennai	16.5.2020	1
3	Faculty Development Programme on Graph Theory- Research View	Nirmala College for Women, Coimbatore	26.5.2020	1
4	Faculty Development Programme on A Paradigm Shift for Strategic Enhancement of Higher Education in India	Rajapalayam Rajus' College, Rajapalayam	08.06.2020 to 15.06.2020	7
5	Faculty Development Programme on Mathematics using Python	St.Joseph's College of Arts and Science for Women, Hosur	17.6.2020 & 18.6.2020	2
6	Faculty Development Programme on "Software tools for Mathematical Education"	Department of Mathematics, Bannari Amman Institute of Technology, Sathyamangalam and Providence College for Women, Coonoor	30.8. 2021 to 5.9.2021	7
7	Faculty orientation on "OBE - Exploring New Frontiers in Education"	Providence College for Women, Coonoor	8.10.2021	1
8	Five days Faculty	PG & Research Department of	18-08-2025 to 22-08-2025	5

	Development Programme on “Theoretical Foundations and Emerging Horizons in Quantum Computing”	Mathematics and Department of Computer Science, Sacred Heart College (Autonomous), Tirupattur		
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#### 10) Research Publications:

- A. Selvi. Normality and Regularity in Soft Ideal Spaces, Mathematics and Computer Science: Contemporary Developments, BP International 4 (8), 978-93-48006-00-4(2024).121-136.
- Selvi. A, Jenita Nancy .C and Arokia Lancy. A , Semi Star Generalized Closed Sets In Vague Bitopological Space, 2nd International Conference on Mathematical Techniques and Applications, AIP Conference Proceedings 2516, 190007 (2022), 1–12.
- A.Selvi and A. ArokiaLancy, New Types of Compact Modulo an Ideal, The International Journal of Analytical and Experimental Model Analysis, 1(3), (2020), 2457-2465.
- A.Selvi, C.Jenita Nancy and A.ArokiaLancy, Vague  $-\tau_1\tau_2$ -semi- $\alpha$ -open sets and Vague  $-\tau_1\tau_2$ -semi- $\alpha$ -compactness in vague bitopological spaces, 11(1) (2020), 320-331.
- I. Arockiarani and A. Selvi, New type of connectedness in ideal topological spaces, Asian Journal of Science and Technology 7(4) (2016),2797-2805.
- I. Arockiarani and A. Selvi,  $\pi$ -closure Local Functions in Ideal Topological Spaces, Elixir Appl. Math. 90 (2016) 37403-37409.
- A. Selvi and I. Arockiarani, On Soft  $\Pi g$  - Normality and Soft  $\Pi g$  – Regularity, Asian Journal of Applied Sciences, 04(01) (2016), 203-211.
- A. Selvi and I. Arockiarani, Soft Alexandroff Spaces in Soft Ideal Topological Spaces, International Journal of Applied Research, 6(3) (2016), 233-243.
- I. Arockiarani and A. Selvi, A note on  $\pi$ -continuous functions, Bulletin of Mathematics and Statistics Research, 4(2) (2015), 37- 44.
- I. Arockiarani and A. Selvi, On Soft Contra  $\pi g$ -continuous Functions in soft topological Spaces, International Journal of Mathematics Trends and Technology,19 (1) (2015), 80-90

- I. Arockiarani and A. Selvi, On Soft slightly  $\pi$ g-continuous functions, Journal of Progressive Research in Mathematics, 3(2) (2015), 168-174.
- A. Selvi and I. Arockiarani, On Soft Almost  $\pi$ g-continuous functions, International Journal of Mathematics Research, 7(2) (2015), 109-123.
- I. Arockiarani and A. Selvi, Local functions on  $\pi$ -open sets in ideal topological spaces, Global Journal of Advanced Research, 2(11) (2015), 1757-1764.
- A. Selvi and I. Arockiarani,  $\pi$ -compatibility of  $\tau$  with  $I$  in ideal topological spaces, International Journal of Applied Engineering Research, 10(24) (2015), 44206-44210.
- I. Arockiarani and A. Selvi, Soft  $\pi$ g-operators in soft topological spaces, International Journal of Mathematical Archive, 5(4) (2014), 37-43.
- I. Arockiarani and A. Selvi, Soft  $\pi$ g-continuous Functions and irresolute functions, International Journal of Innovation and Applied studies, 7 (2) (2014), 440-446.
- I. Arockiarani and A. Selvi, Pairwise- $\psi^*$ -Open Sets in Bitopological Spaces, Antarctica Journal of Mathematics, 8(6), 469-479, 2011.
- I. Arockiarani and A. Selvi, Pairwise- $\psi$ -Open Sets in Bitopological Spaces, International Journal of Mathematical Archive, 2(7), 1070–1076, 2011.

#### 11) Conference / Seminar / Symposium / workshop organized

Year	Name of the Conference / Seminar / Symposium /workshop	Date From – To
2025	Talk on Self Awareness	30 <sup>th</sup> July
2024	Talk on Application of Mathematics and Exhibition on MATHPHYCHEM	21 <sup>st</sup> December
2020	National Level Online Webinar	30 <sup>th</sup> December
2020	Fluid Dynamics and Its Applications	6 <sup>th</sup> January
2019	Graph Theory	2nd September
2014	International Conference on Mathematics	4 <sup>th</sup> -5 <sup>th</sup> August

## **12) Presentation in Conference / Seminar / Symposium**

### **International Level**

- Department of Data Science and PG & Research Department of Computer Science, Providence College for Women (Autonomous), Coonoor, National Level Conference on Latest innovation in Science and Technology, 22.08.2025
- PG & Research Department of Mathematics, Nirmala College for Women (Autonomous), Coimbatore, International Level Conference on Modelling strategies in Mathematics (ICMCM-2025), 31.07.2025-01.08.2025
- Rajagiri School of Engineering & Technology, Kochi, Kerala, 79<sup>th</sup> Annual conference of Indian Mathematical Society, 28<sup>th</sup> -31<sup>st</sup> Dec, 2013.

### **National Level**

- Madurai Kamarajar University, Madurai, “National conference on Ramanujan’s contributions and recent trends in mathematics sponsored by DST-New Delhi and NBHM-Mumbai”, 21<sup>st</sup> - 23<sup>rd</sup> Dec, 2015.
- Erode Arts and Science College, Erode, “UGC Sponsored National Conference on Computational and Applied Mathematics”, 6<sup>th</sup> Feb, 2015
- Nirmala College for Women, Coimbatore, “UGC Sponsored National Seminar on “Recent Advances in Fuzzy Mathematics and its Applications”, 5<sup>th</sup> & 6<sup>th</sup> July 2011.

## **13) Participation in Conference / Seminar / Symposium/Workshop**

### **International Level**

- Providence College for women, Coonoor, International Conference on Mathematics 2017, 4<sup>th</sup> -5<sup>th</sup> August 2017.
- Rajagiri School of Engineering & Technology, Kochi, Kerala, 79<sup>th</sup> Annual conference of Indian Mathematical Society, 28<sup>th</sup> -31<sup>st</sup> December, 2013.
- Loyola College, Chennai, International Conference on Artificial Neural Networks and e-Mathematical Learning, 23<sup>rd</sup> – 25<sup>th</sup> July 2012.

### **National Level**

- PG & Research Department of Mathematics, Providence College for Women, Coonoor, Active learning using mathematical Software tools, 6.12.24 & 7.12.24
- PG & Research Department of Computer Science and Department of Data Science, Providence College for Women, Coonoor, National level workshop on MongoDB Database and Security,

9.082024

- Xavier Board of Higher Education in India, 24<sup>th</sup> Triennial Conference on Journeying with the Synodal Spirit through Networking and Academic Collaborations-Together in Communion, Participation and Mission, October 22-24, 2022.
- Maulana Azad National Urdu University, Hyderabad, UGC orientation workshop on Adoption, promotion and Production of MOOCS for SWAYAM platform, 31<sup>st</sup> Aug 2018.
- Christ University, Bangalore, Workshop on Aspects of Curriculum Development, 11<sup>th</sup> & 12<sup>th</sup>, July, 2018.
- Madurai Kamarajar University, Madurai, National conference on Ramanujan's contributions and recent trends in mathematics sponsored by DST-New Delhi and NBHM-Mumbai, 21<sup>st</sup> - 23<sup>rd</sup> Dec, 2015.
- Erode arts and Science College, Erode, UGC Sponsored National Conference on Computational and Applied Mathematics, Feb 6<sup>th</sup>, 2015
- Providence College for Women, Coonoor, TANSCHÉ sponsored National seminar on Graph Theory and its Applications, 17<sup>th</sup> December 2012.
- Providence College for Women, Coonoor, NAAC sponsored two days National level seminar on Ethics and Morals - Need of the Hour in Quality Higher Education, 12<sup>th</sup> and 13<sup>th</sup>, July 2012.
- Nirmala College for Women, Coimbatore, UGC Sponsored National Seminar on Recent Advances in Fuzzy Mathematics and its Applications, 5<sup>th</sup> & 6<sup>th</sup> July 2011.

### **State Level**

- Providence College for Women (Autonomous) Coonoor , Seminar on The role of IQAC in higher educational institutions: Issues & challenges on 03.01.2024
- Jyoti Nivas College Autonomous, Bengaluru, Karnataka, State level seminar on Mathematics is the Backbone of Artificial Intelligence on 25.09.2023
- Providence College for women, Coonoor, State level seminar on Cyber Security & Crypto Crime, 25<sup>th</sup> January 2023.
- Providence College for women, Coonoor, Orientation Programme organized by the IQAC cell on 5<sup>th</sup> & 6<sup>th</sup> January, 2023.
- Providence College for women, Coonoor, Organizational Resurgence workshop “ BLOSSOM 2022”, 16.11.2022 to 18.11.2022.
- Providence College for women, Coonoor, Seminar on Mindset Based Walk-through for Intellectual Property, 18.11.2021

- Kathir College of Arts & Science, Coimbatore, One day Workshop on Revised Assessment & Accreditation Framework of NAAC, 5<sup>th</sup> Jan 2019.
- Bharathiar University, Coimbatore, Workshop on NAAC revised Assessment & Accreditation(A&A) Framework, 3<sup>rd</sup> Feb2018.
- Nirmala College for Women, Coimbatore, Science Academies Lecture Workshop on New Vistas on Mathematical Modelling, 13<sup>rd</sup>& 14<sup>th</sup> August 2012

#### **14) Resource person / Invited Speaker/Session Chair – Conference/Seminar/Workshop**

- Went as resource person to deliver a lecture on "Methods' of effective and motivational Teaching" for the teachers held on the 26 of May 2022 at Sister Alphonsa CBSE school, Kundah.

#### **15) Member of Board of studies**

- Member of BOS, Providence College for Women, Coonoor. (2021onwards)

#### **16) Institutional responsibilities**

<b>Academic Year</b>	<b>Name of the Committee/Activity</b>	<b>Co-ordinator/Member</b>
2024 onwards	Admission Committee	Co-ordinator
2021 onwards	Governing Body Council	Member
2021 -2024	Controller of Examinations	Assistant Controller
2017-2021	IQAC	Member
2016- 2021	Student's Grievance Cell and Discipline Committee	Member
2015-2017	Golden Jubilee Committee	Member
2012 onwards	Management Committee	Member
2011- 2017	AICUF	Member
2011-2015	Library Committee	Member
2011-2015	Student Welfare Committee	Member

#### **17) Other Highlights**

- Attended 25 Webinars
- Attended 3 online workshop