



## **Academic Profile**

**Name** : **Dr. Sreelekshmi C Warriier**  
**Designation & Address** : Assistant Professor in Mathematics,  
Sree Ayyappa College  
Eramallikkara P.O, Chegannur,  
Alappuzha (Dist), 689109  
**Date of Birth** : 18.10.1984  
**Religion & Caste** : Hindu ,Warrier  
**Nationality** : Indian  
**Address (Res.)** : Sreyas, Mariyappally P.O  
Kottayam,686013.  
**Mobile Number** : 9847257188  
**Email** : sreelekshmicwarrier@gmail.com  
**Date of joining** : 09/02/2021

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## **Career Objective**

To strive towards achieving the Institution's goal as my foremost responsibility and grow with the institution in the light of its success.

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## **Academic Qualification**

<b>Course</b>	<b>School/College</b>	<b>Board/ University</b>	<b>Year</b>
<b>Ph. D Mathematics</b>	M.G University, Kottayam	Research Centre- St. Thomas College Pala	2019
<b>M. Phil Mathematics</b>	CUSAT	Cochin University of Science & Technology	2012
<b>M. Sc Mathematics</b>	M.A College Kothamangalam	MG University	2007
<b>B. Sc Mathematics</b>	Marthoma College for Women Perumbavoor	M.G University	2005
<b>Plus two</b>	St.Thomas H.S.S,Keezhillam	HSE	2002
<b>SSLC</b>	Jayakeralam H.S.S,Pulluvazhy	SCERT	2000

## Academic Projects:

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- **M. Sc Project** : Mathematical Modelling
- **M. Phil Project** : Optimization Methods and Interactions in Game Theory
- **Research Work:** Some Extension to Problems in Optimization & Data Mining using Soft Set Approach.

## Courses Handled:

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**B.Sc Mathematics**

**Msc Mathematics**

**B.Sc. Physics**

**BCA**

**MCA**

**MSc Bioinformatics**

## Research Interests

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Soft Set, Fuzzy Soft Set, Soft Multi Set, Soft Topology, Soft Group, Game Theory & Optimization Theory.

## Webinars Attended:

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- International Webinar on “What can we do with a Quantum Liquid” by Nobel Laureate: Prof Antony Leggett, SB College on 28<sup>th</sup> October 2020.
- State –Webinar on “Karelia Ganinthathinte Adiverukal”, Unity College ,Manjery, 26<sup>th</sup> October 2020.
- National Webinar on “Rings and Ideals”, Korambayil Ahamed Haji Memorial Unity Women’s College on 23<sup>rd</sup> October 2020.
- International Webinar on Emerging Trends in the Field of Science and Humanities, FISAT on 16th and 17th October, 2020
- Webinar on “Management Development Programme on NBA Accreditation Phase 2”, MACFAST, Tiruvalla on 17<sup>th</sup> October 2020.
- National Webinar on “ Number theory & Algebra in Computer Science, Unity Women’s College Manjery, Malapuram on 6<sup>th</sup> October 2020.
- Webinar on My Entrepreneurial Journey to Success - Joy Sebastian (CEO, Techgentsia)” MACFAST, Tiruvalla on 7<sup>th</sup> October 2020
- Webinar on “Quality Assurance in Higher Educational Institutions, MACFAST, Tiruvalla on 1<sup>st</sup> October 2020.
- State Webinar on “ Ethics in Research publications, MACFAST, Tiruvalla on 26<sup>th</sup> MACFAST, Tiruvalla on 1<sup>st</sup> October 2020.

- International One Week Online Faculty Development Programme On “Prospects Of Virtual Teaching: Engaging Learners And Empowering Teachers”, Mount Carmel College of Teacher education, Kottayam on 23<sup>rd</sup> to 29<sup>th</sup> September 2020.
- Webinar on “ Google Scholar, Google Books and Other Online Tools”, MACFAST on 25<sup>th</sup> September 2020.
- Webinar on “Management Development Programme on NBA Accreditation”, MACFAST on 24<sup>th</sup> September 2020
- State Webinar on “An Introduction to block chain” , KC College of Engineering & Management ,Thane on 19<sup>th</sup> September 2020
- National Webinar on ‘Multi sets: Theory and Applications to Data Mining’’, St Peter’s College, Kolenchery, on 17<sup>th</sup> September 2020.
- Three days International Conference On Graph Connections (Online) ICGC2020 ,Dept. of Mathematics and Statistics , BCM College, Kottayam on 6<sup>th</sup> to 8<sup>th</sup> August 2020.
- Webinar on “A glimpse on shared value or set problems of a special class of complex valued functions”’ Department of Mathematics, K L E Society’s Gudleppa Hallikeri College, Haveri on 30<sup>th</sup> July 2020.
- Two days Faculty Study Circle title “Online Teaching Methods: Retaining & Reskilling Teachers” by SSMRV College, Bengaluru on 28<sup>th</sup> to 29<sup>th</sup> July 2020.
- Webinar on ‘ Roles and Challenges in Science and Technology’’,Dept. of Mathematics, Shri Kanti Arts & Science college, Karnataka on 27<sup>th</sup> July 2020.
- Online Remembrance Meeting of Dr. A. P. J. Abdul Kalam, Department of Mathematics and IQAC of St. Paul's College, Kalamassery on 27<sup>th</sup> July 2020.
- National Webinar ‘Modelling the Invisible Mathematics’, Dept. of Mathematics, St.Alosiyus College, Edathuva on 25<sup>th</sup> July 2020.
- Two Day FDP Online Assessment Tools” of National Webinar on “ICT Tools for Teaching-Learning”,St. Xavier’s College (Autonomous), Palayamkottai, Tamilnadu on 23<sup>rd</sup> and 24<sup>th</sup> July 2020.
- Webinar” How to Publish a High Impact Publication” Organized by IIIT Kottayam on 16<sup>th</sup> July 2020.
- Webinar on ‘Introduction to Gröbner basis”, Dept. Of Mathematics, SB College Changanasserry on 11<sup>th</sup> July 2020.
- Webinar on ‘Robotics Process Automation with Artificial Intelligence ‘ organized by NoviTech, Ernakulam, on 28<sup>th</sup> June 2020.
- Online FDP on Research Methodology version 2.0 organized By AE Consultancy services Team and SSM Trust on 27<sup>th</sup> June 2020.
- Webinar on ‘ Series 2 -Learning Management System’” Organized By ICT academy on 27<sup>th</sup> June 2020.
- Webinar on ‘ Series 2 -Learning Management System’” Organized By ICT academy on 24<sup>th</sup> June 2020.
- Webinar on ‘Post COVID Education Scenario Will libraries weather the storm or wilt away? Organized by Informatics (I) Limited, Bengaluru on 12<sup>th</sup> June 2020.

- Online FDP on ‘Research Methodology’ jointly organized by AE consultancy &EMG – SSM Trust on 6<sup>th</sup> June 2020.
- Online FDP on "Effective Online Teaching Strategies" hosted by Marian International Institute of Management, Kuttikkanam, Kerala on 6<sup>th</sup> June 2020.

### **Workshop & Seminar Attended:**

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- Two Day International Seminar on ‘Recent Trends In Mathematics and Some Applications’ on 19<sup>th</sup> & 20<sup>th</sup> February 2020 at Ettumnoorappan College, Ettumanoor.
- One Day International Seminar on Artificial Intelligence on 17<sup>th</sup> July 2019 at MACFAST.
- Two Day MDC- FDP on “Gamification for Learning and Development” on 3<sup>rd</sup> & 4<sup>th</sup> May 2019 at MACFAST.
- One day Media Seminar on “Role of Youth in the Forthcoming General Election” on 22<sup>nd</sup> March 2019 at MACFAST.
- One day FDP by IQAC on the topic “Quality Parameters in Higher Education” on 7<sup>th</sup> March 2019 at MACFAST.
- Two day State level Biodiversity Awareness Seminar Cum Exhibition on 4<sup>th</sup> & 5<sup>th</sup> February 2019 at MACFAST.
- Two day Python Workshop on 24<sup>th</sup> & 25<sup>th</sup> January 2018 at MACFAST.
- Two day Python Workshop on 7<sup>th</sup> & 8<sup>th</sup> December 2017 at MACFAST.
- Two day PHP/ MySQL Workshop held on June 8<sup>th</sup>, 9<sup>th</sup> 2017 at MACFAST.
- National Workshop on LaTeX Report-Article writing, on 27<sup>th</sup> October 2017 at Amrita School of Arts & Sciences, Kochi.
- National Seminar cum Workshop on Cyber Security ‘‘ CYSEC 3’ on 3<sup>rd</sup> March 2017 organized by the Department of Computer Science at STAS ,Kottayam,.
- National Seminar on Analysis and Algebra, on 26<sup>th</sup> August 2017 jointly organized by Dept. of Mathematics, St. Teresa’s College, Ernakulum & Kerala Mathematical Association.
- KSCTE sponsored National Seminar on “Recent Research Opportunities in Computer Science and its Applications, on 5<sup>th</sup> & 6<sup>th</sup> September 2016 at MACFAST, Tiruvalla.
- International Research Workshop on Coding Theory & Fractals with the Applications to Computer Science & Engineering, on 15<sup>th</sup>, 16<sup>th</sup> December 2016 at MACFAST, Tiruvalla.
- Two day UGC Sponsored National seminar “ Discrete Mathematics and its Applications, on 14 & 15 January 2016, at Marthoma College for Women, Perumbavoor,
- One day National Conference on “Discrete Mathematics” on 15 & 16 December 2015 at St. Paul’s College, Kalamasserry.

### **Workshop & Seminar Related Initiatives**

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1. International Webinar on Bridging Data science and Mathematical Biology, on 17<sup>th</sup> November 2020 at MACFAST.
2. One Day International Seminar on Artificial Intelligence on 17<sup>th</sup> July 2019 at MACFAST.
3. National Seminar on “Recent Research Opportunities in Computer Science and its Applications, on 5<sup>th</sup> & 6<sup>th</sup> September 2016 at MACFAST.
4. International Research Workshop on Coding Theory & Fractals with the Applications to Computer Science & Engineering, on 15<sup>th</sup>, 16<sup>th</sup> December 2016 at MACFAST.

## Publications & Paper Presentations

- The paper entitled “A Study on Mathematical Tools for Decision Making Problems” in Journal of Science, Technology and Management, ISSN-0974-8334, Vol.13, No:1, 26-30, January 2021.
- The paper entitled “Fuzzy soft matrices on Fuzzy Multiset and its Applications in Optimization Problems” in **SCI indexed Journal** – Journal of Intelligent & Fuzzy Systems 38 (2020) 2311–2322, DOI: 10.3233/JIFS-191177 IOS Press Journal of Intelligent & Fuzzy Systems, January 2020.
- The paper entitled “On Soft Multi Games” published on International Journal of Mathematics And its Applications,(IJMAA) (**UGC Approved Journal in 2018**), ISSN:2947-1557, (4),187-194, June 2018.
- The paper entitled “ *Applications of Fuzzy Soft and Fuzzy Soft Multi Set theories in Data Mining problems* ” published on Journal Bulletin of Kerala Mathematical Association(**UGC Approved Journal in 2018** ,64043), ISSN 0973-2721, Vol.15 ,No:1,pages:43-68, June 2018.
- The paper entitled “ *Extension of Nash Equilibrium theorems using Soft set* ” presented on International Conference on Intuitionistic Fuzzy sets and Systems(ICIFSS-2018) and published on Proceedings of UGC funded International Conference on Intuitionistic Fuzzy sets and Systems ,In association with International Journal of Mathematical Archive(IJMA ) (**UGC Approved Journal in 2018**, 47756),www.ijma.info,ISSN 2229-5046, Vol.9,No:1,pages 133-135 January 2018.
- The paper entitled “ Some definitions and interpretations on Fuzzy Soft Game” published on International Journal of Mathematics Trends and Technology (IJMTT,V49(2) (**UGC Approved Journal**,in2017,48198),:113-118,Septeber,2017,ISSN:2231 5373,www.ijmttjournal.org.
- The paper entitled “*Visualization of a Soft set and Soft Multi Set approaches to Game Theory*” published on Journal Bulletin of Kerala Mathematical Association ,ISSN 0973-2721,Vol.13 No:2,pages: 173-186, December 2016.
- The paper entitled "An Introduction to Soft Set and Soft Multi Set Approaches to Game Theory", was presented and published in Proceedings of the National Conference on “ Discrete Mathematics and its Applications, on 14 & 15 January 2016,Marthoma College for Women, Perumbavoor,ISBN-978-93-5254-807-1,76-92.

## Certificates

- **UGC STRIDE** – MGU 5 days Training Programme on Advanced Training in ICT –Enabled Online Teaching on 12<sup>th</sup> to 16<sup>th</sup> October 2020.
- Earned Coursera Certificates of the various subjects like, Data science math skills from DUKE University, Differential Equations for Engineers & Matrix Algebra from The Hong Kong University of Science & Technology, The Introduction to Calculus from The University of SYDNEY, Probability and Statistics: To p or not to p? from University of LONDON and Welcome to Game Theory from University of TOKYO.

## Teaching Experience– 10 Years

- Worked as Guest Lecturer in CMS College, Kottayam - (January to July 2010)
- Worked as Lecturer in P.G.M College, Kangazha, M.G University - (July 2010 to July 2011).
- Worked as Assistant Professor in Mathematics, Department of Computer Applications, Mar Athanasios College for Advanced Studies, Tiruvalla- (02<sup>nd</sup> September 2012 to 8<sup>th</sup> February 2021)

- Currently Working as Assistant Professor in Department of Mathematics, Sree Ayyappa College, Eramallikara, TVD- ( Since 09/02/2021 )

## **Responsibilities Held**

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- In charge for preparing the Question Bank for M.Sc Bioinformatics in 2020 - M.G. University, Subject- Fundamentals of Applied Mathematics & Bio Statistics.
- NAAC – Criteria 2 (Teaching , Learning & Evaluation and Criteria 3 (Research, Consultancy & Extension (MACFAST, Tiruvalla).
- Mahatma Gandhi University Examination – Additional Examiner ( BSc. Mathematics , BCA & MCA – Foundation of Mathematics, Discrete Mathematics, Probability & Statistics, Fundamentals of Applied Mathematics & Biostatistics, Mathematical Foundation of Computer Science, Operation Research)

## **Professional Membership**

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- Life Professional Member – Kerala Mathematical Association (KMA)
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