



**Name** : **Dr. J. Loyala Foresith Spencer**  
**Designation** : **Assistant professor**  
**Department** : **Mathematics**  
**Date of Joining** : **24.06.2015**  
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**Educational Qualifications:**

<b>Degree</b>	<b>Subject</b>	<b>College / University &amp; Place</b>	<b>Year Completed</b>
Ph.D.,	Mathematics	The American College, Madurai.	2023
M.Phil.,	Mathematics	S.N. College, Madurai	2015
M.Sc.,	Mathematics	S.N. College, Madurai	2014
B.Ed.,	Mathematics	Royal College of Education, Madurai.	2012
B.Sc.,	Mathematics	The American College, Madurai.	2011

**Specialisation of Research:** Topology (N-topology)

**Ph.D., Thesis Topic:** Contributions to the study on certain aspects of **Modern topology**.

**Specialisation in Teaching:**

- Real analysis
- Complex analysis
- Operations Research
- Number Theory
- Statistics

**Administrative /Academic Position/s (held / currently holding):**

<b>Positions held / currently holding</b>	<b>Year - From (month/year) To (month/year)</b>
NAAC Committee member under Criterion V, Criterion VII	2015 – 2016, 2021-2022, 2022-till date
Assistant member of college admission committee	Seven years (2016 -2018, 2020-2023)
Assistant coordinator - Department time table	Seven years (2016, 2018-2023)
NSS Programme officer (Unit - 8)	Jan 2017 – Apr 2020
UG Mathematics Association President	2017 – 2018
PG Librarian	Jun 2018 – till date

**Academic Credentials:****Publications:**

- Loyala Foresith Spencer. J, Davamani Christoher.M, “THE RUDIMENTS OF SUPRA N-TOPOLOGY”, *Design Engineering*. Jul. 2021, 4033- 4041.
- Loyala Foresith Spencer.J, Davamani christoher. M,,” THETA OPEN SETS IN N-TOPOLOGY”, *Ratio Mathematica*, Vol 43, 2022.
- Loyala Foresith Spencer.J, Davamani christoher. M,,” DOOR SPACES ON N-TOPOLOGY”, *Ratio Mathematica*, Vol 47, 2023.

**Proceedings:**

- Loyala Foresith Spencer.J, Davamani christoher. M, Antony George A , 2020 “DOOR SPACES ON N-TOPOLOGY” in the Proceedings of 22<sup>nd</sup> FAI-International conference on Mathematical, Computational Intelligence and Engineering Approaches to Healthcare, Business and Tourism Analytics 2020 (22<sup>nd</sup> FAI-ICMCIE 2020) between Dec 20-22, 2020.
- Antony George A, Davamani christoher. M, Loyala Foresith Spencer.J , 2020 “ A NEW CLASS OF CONNECTEDNESS IN N-TOPOLOGY” in the Proceedings of 22<sup>nd</sup> FAI-International conference on Mathematical, Computational Intelligence and Engineering Approaches to Healthcare, Business and Tourism Analytics 2020 (22<sup>nd</sup> FAI-ICMCIE 2020) between Dec 20-22, 2020.

- Loyala Foresith Spencer.J, Davamani christober. M, Antony George A , 2021 “MODERN APPROACH ON N-SUPRA TOPOLOGY ” in the Proceedings of International conference on Applied Mathematical Models(ICAMM 2021) organized by Department of Mathematics, PSG College of Technology, Coimbatore, India between Jan 7-9, 2021.

**Presentations:**

- Presented a paper entitled “THE RUDIMENTS OF SUPRA N-TOPOLOGY” in the second international conference on Algebra and Discrete Mathematics (ICADM - 2020) organised by the department of Mathematics–DDE, Madurai Kamaraj University, Madurai between Jun 24- 26, 2020.
- Presented a paper entitled “DOOR SPACES ON N-TOPOLOGY” in the 22<sup>nd</sup> FAI-International conference on Mathematical, Computational Intelligence and Engineering Approaches to Healthcare, Business and Tourism Analytics 2020 (22<sup>nd</sup> FAI-ICMCIE 2020) between Dec 20-22, 2020.
- Presented a paper entitled “MODERN APPROACH ON N-SUPRA TOPOLOGY ”in the International conference on Applied Mathematical Models(ICAMM 2021) organized by Department of Mathematics, PSG College of Technology, Coimbatore, India between Jan 7-9, 2021.
- Presented a paper entitled “ $\theta$  -OPEN SETS IN N-TOPOLOGICAL SPACES” in two days international conference on “ RECENT TRENDS IN MODERN MATHEMATICS” organised by the PG & Research Department of Mathematics, St. John’s College, Palayamkottai on 23-24, September 2021.
- Presented a paper entitled “ $L_\theta$  operator in Ideal N topological Space” in two days international symposium on Mathematical analysis of fractals and dynamical systems-2023, organised by Department of Mathematics, School of advanced sciences, Vellore Institute of Technology, Vellore on 24-25, August 2023

**Conferences/ Seminars attended:**

- Participated in the National conference on “RECENT TRENDS IN PURE & APPLIED MATHEMATICS” organized by Meenakshi Women’s College, Poovanthi, 2015.

- Attended a three Day Workshop on “RECENT ADVANCES IN NUMERICAL SOLUTION OF DIFFERENTIAL EQUATIONS” organized by Thiagarajar College of Engineering, Madurai, 2015.
- Participated in a seminar ‘LEBESGUE MEASURE’ organized by Department of Mathematics, The American College, Madurai, 2016.
- Participated in the AIACHE golden Jubilee celebrations held at The American college, Madurai, 2016.
- Participated in the two days National conference on “MODERN MATHEMATICS” organized by Research department of Mathematics, The American College, Madurai, 2018.
- Participated in the five days online workshop on “ Mathematical sciences for CSIR NET / SET / GATE “between May 11-15, 2020 organised by Sree Narayana Guru College, Coimbatore.
- Participated in the Webinar “Qualitative Analysis of Differential Equations and its applications” on 21<sup>st</sup> May 2020, organised by the Department of Mathematics, G.T.N. arts college, Dindigul.
- Participated in the Webinar Programme “Centrality Measures in Graph Theory” on 23<sup>rd</sup> May 2020, organized by Department of Mathematics, School of Advanced Sciences, Kalasalingam Academy of Research and Education, Krishnakovil.
- Participated in the Webinar “CSIR NET / SET examination in Mathematical sciences” on 27<sup>th</sup> May 2020, organised by PG & Research Department of Mathematics, Urumu Dhanalakshmi College, Trichy.
- Participated in “C and Cpp training” organized at Jamal Mohammed College on 27<sup>th</sup> May 2020, offered by spoken tutorial project, IIT Bombay, funded by the National Mission on Education through ICT, MHRD, Govt. Of India.
- Participated in Six days online workshop “Mathematical Analysis- MATANA 2020” organised by Loyola College, Chennai. between June 8-13, 2020.
- Participated in Seven days online Faculty Development Programme on “Pure and Applied Mathematics” organised by Jamal Mohammed College, Trichy between June 11 - 17, 2020.
- Participated in the Webinar “Topological Indices - Worm’s eye view” on 17<sup>th</sup> June, 2020 organized by St.Joseph’s College of Arts and Science, Cuddalore.

- Participated in International Web Conference on “Advances in Mathematics” organised by St.Mary’s College, Thoothukudi between June 17-19, 2020.
- Participated in seven days International Faculty Development Programme on ”Avant-garde Trends in Mathematics” organised by Bannari Amman Institute of Technology, Coimbatore between June 17- 23, 2020
- Participated in three days workshop on “Hacks and Tips: CSIR-UGC-NET Examination in Mathematics” organised by PG & Research Department of Mathematics, The American College, Madurai between July 6-8,2020.
- Participated in Five days Online Faculty Development Programme on “Emerging research orientation in Mathematics and its Applications” organised by Department of Mathematics, CMR Institute of Technology, Bangalore between Jan 9- Jaan 13, 2023.

#### Others

- Completed courses and awarded certificate from the State of Tamilnadu on “C and C++ computer programming” organised by continuing education cell, Tamilnadu Polytechnic College, Madurai.

#### Contributions to ‘The American College’:

2015-2016	Served as a team member in the following committees: NAAC (Criterion V), Science exhibition, Candle lighting ceremony.
2016-2017	Served as academic advisor – I UG Served as a team member in the following committees: Freshman orientation, AIACHE, Candle lighting Ceremony, College day discipline committee.
2017-2018	Served as academic advisor – III UG Served as UG Association President Served as a team member in the following committees: Freshman orientation, AIACHE, Candle lighting Ceremony College day discipline committee.
2018-2019	Served as academic advisor – I UG(Odd) , II UG (Even) Served as a team member in the following committees: Freshman orientation, College day discipline committee, Candle lighting Ceremony
2019-2020	Served as academic advisor – III UG Served as a team member in Freshman orientation.
2021 – 2022	Served as a team member in Young Student Scientist Programme organised by TN- SC/ST and The American college.
2022-2023	Served as a team member of NAAC (Criterion VII).

**as NSS Programme Officer**

- attended the training on ‘MENTAL HEALTH FIRST AID’ organized by M.S.Chellamuthu institute of Mental Health and Rehabilitation, Madurai, 2017.
- participated in the seven days orientation training for NSS Programme Officers organized by Avinashilingam University, Coimbatore, 2017.
- successfully conducted Seven days camp in adopted village near Alanganallur thrice (2017, 2018, 2019) in my tenure.