

Faculty Profile

Academic and Contact	
Name	S. Kulandai Therese
Qualification	M.Sc., B.Ed., M.Phil., Ph.D.
Designation	Associate Professor
Year of Joining	2007
Specialization	Graph Theory
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Responsibilities

- ❖ Hostel Director (2024 -)
- ❖ Deputy Principal (2021- 2024)
- ❖ Member of Discipline Committee (2021 - 2024)
- ❖ Director of Centre for Entrepreneurship (2021-2022)
- ❖ Community Development Programme coordinator (2018- 2022) & UBA coordinator (2018-2024)
- ❖ FSS staff Wing Coordinator (2010-2012, 2018 - 2021)
- ❖ FSS students Wing Coordinator (2010-2012)
- ❖ Controller of Examination (2013-2015)
- ❖ Member of Academic Council (2013 -2015)
- ❖ Member of Governing Body (2013 -2015 & 2021 - 2024)
- ❖ Member of Grievance & Redressal Committee (2013 -2015)
- ❖ Member of Finance Committee (2010-2011 & 2013 - 2015)
- ❖ Student Council Member (2010 – 2011)
- ❖ Member of Campus ministry (2008 – 2010, 2018 - 2019)
- ❖ Yoga Club Coordinator (2008 – 2011)

Seminars/Workshops/ Conferences

Title of the Workshop/ Seminar/ FDP	Type	Paper Presented/ Participated	Title of the Paper	Organized By	Date
Plagiarism: Ways and Means to Curb the Menace in AI World	Webinar	participated		Library Committee, St. Mary's College, Thoothukudi	13.03.2024
Augumented Reality	Power Seminar	participated		ICT Academy in collaboration with Department of Computer Science St. Mary's College, Thoothukudi	05.03.2024
National Seminar on "Navigating Consultancy, Filing Patent and Designing Research Article: Insights and Strategies"	National	participated		Marian Research Forum and IQAC, St.Mary's College, Thoothukudi	20.01.2024
Online Workshop on Avoiding Predatory Publishing: Guideline for choosing Quality Journals in the Digital Age	Online	Participated		Marian Research Forum, St.Mary's College, Thoothukudi	11.12.2023
National Conference on Higher Education: Ethics in Academic, Administration, Community,	National	Presented	Enhanced Assessment in Higher Education: Leveraging Artificial Intelligence and Graph	The Centre for Education Beyond Curriculum (CEDBEC), CHRIST (Deemed to be	23.11.2023 – 24.11.2023

Society Initiatives and Artificial Intelligence Impacts			Algorithms within the improved TPM model	University), Bangalore	
International Conference on Recent Trends in Mathematics and Computer Science	International	Presented	Hop and Perfect Domination Numbers of Bloom Graph	Department of Mathematics and Computer Science, Auxilium College of Arts and Science for Women, Regunathapuram	19.10.2023 – 21.10.2023
Orientation Workshop on Unnat Bharath Abhiyan and Localization of Sustainable Development Goals in Thoothukudi District	District Level	Participated		Unnat Bharath Abhiyan, Holy Cross Home Science College, Thoothukudi	22.09.2023
Orientation Workshop on Unnat Bharath Abhiyan and Convergence Possibilities under Pradhan Mantri Matsya Sampada Yojana for Participating Institutes in Southern Tamil Nadu	Southern Regional Level	Participated		Unnat Bharath Abhiyan, The Regional Coordinating Institute, The Gandhigram Rural Institute (Deemed to be University), Gandhigram	29.08.2023
International conference on Mathematics and Informatics	International	Participated		Research Department of Computer Science, St.Xavier's College, Palayamkottai	29.03.2023

Transformative Pathways in Higher Education – Pedagogical Futures	National	Participated		Xavier Board of Higher Education in India	26.03.2022
Three Day Online Capacity Building programme for Women Managers in Higher Education	National (online)	Participated		Rajiv Gandhi National Institute Of Youth Development (Institution of National Importance by the Act of Parliament No. 35/2012) Ministry of Youth Affairs & Sports, Government of India Sriperumbudur – 602 105, Tamil Nadu.	21.02.22 – 23.02.22
Introduction to Mathematical Ecology	International Virtual Workshop	Participated		Department of Mathematics, SRMIST, Ramapuram, Chennai - 600089	04.02.22
International Virtual Conference on Current Scenario in Modern Mathematics (ICCSMM-2022)	International	Participated		PG & Research Department of Mathematics, Aditanar College of Arts and Science, Tiruchendur	04.02.22
Workshop on Introduction to R-Programming	National (Online)	Participated		Department of Mathematics and IQAC	03.02.22 – 05.02.22
Triennial Conference & 19 th General Body Meeting of Member	National	Participated	Theme: Resurrect: Reaffirming Priorities and Creating the Future	All India Associations for Higher Education, New Delhi at Hotel Singaar	27.12.2021 to 29.12.2021

Institutions of AIACHE			Together in Today's Context	International, Kanyakumari, Tamil Nadu	
Virtual Conference on Progress in Mathematics towards Industrial Applications (PMTIA-2021)	International	Participated		Department of Mathematics, SRM Institute of Science and Technology, Chennai	29.10.2021 to 30.10.2021
Online workshop on 'Bloom's Taxonomy Based Question Paper Design for Outcome Based Education in Mathematics'	Online workshop	Attended		Department of Mathematics and IQAC. Ayya Nadar Janaki Ammal College, Sivakasi	27.09.2021
Naya Bharat e-series		Attended		School Education Subject Group, Unnat Bharat Abhiyan, Ministry of Education	29.11.2020 to 09.05.2021
National Webinar on Statistical Analysis through Python		Attended		Department of Statistics, St. Joseph's College, Trichy	29-Mar-2021
National Webinar on Applications of Mathematics		Attended		PG and Research Department of Mathematics, St. Mary's College (Autonomous), Thoothukudi	05-Mar-2021
Webinar on Gender Sensitization		Attended		Department of Mathematics, Providence College for Women, Coonoor	20-Feb-2021
E-Quiz on the topic "Life, Teaching and Philosophy of Swami Vivekananda"		Attended		UBA & NSS, St. Xavier's College, Palayamkottai	12-Jan-2021

International Webinar on "On the Merrifield - Simmons Index of Graphs	Online	participated		Department of Mathematics, SRM Institute of Science and Technology, Chennai	10.07.2020
Webinar on "SageMath Workshop"	Online	participated		Bangalore Institute of Technology (BIT) Bangalore	01.07.2020 to 03.07.2020
Webinar on Statistics for Data Analytics	Online	participated		Department of Mathematics, KPR Institute of Technology, Coimbatore	19.06.2020
Webinar on Google's UI Toolkits	Online	participated		Department of Computer Science and Computer Applications, Servite Arts and Science College for Women, Thogamalai	13.06.2020
Webinar on "Conditional Resolving Parameters of Graphs"	Online	participated		Department of Mathematics, Government Arts College, Udhagamandalam	12.06.2020
Webinar on "Molecular Descriptors in Chemical Graph Theory"	Online	presented		Department of Mathematics, Government Arts College, Udhagamandalam	11.06.2020

online Workshop on Basics of MATLAB, LATEX & SAGEMATH	Online	participated		PG & Research Department of Mathematics, KhadirMohideen College, Adirampattinam	05.06.2020 to 07.06.2020
Webinar on "Professional Development Programme - Research Indicators"	Online	participated		DEPARTMENT OF MATHEMATICS P.K.R. ARTS COLLEGE FOR WOMEN Gobichettipalayam	21.05.2020
Webinar on "Professional Development Programme- Innovative Ideas of Professional Teaching in Mathematics "	Online	participated		DEPARTMENT OF MATHEMATICS P.K.R. ARTS COLLEGE FOR WOMEN Gobichettipalayam	21.05.2020
Faculty Development Programme on Teaching using ICT Tools	Online	participated		IQAC JP College of Arts and Science Ayikudy	20.05.2020 to 24.05.2020
National Webinar on Taking Research Forward During the Pandemic	Online	participated		Loyola Institute of Frontier Energy (LIFE) Loyola College Chennai	20.05.2020
ONLINE WORKSHOP ON MATHEMATICAL SCIENCES FOR CSIR-UGC NET ASPIRANTS	Online	participated		PG and Research Department of Mathematics, St. Mary's College Thoothukudi	19.05.2020 to 23.05.2020

Online Faculty Development Programme on 'Unlocking the Potential – Role of Unnat Bharat Abhiyan in the Development of the Aspirational Districts in Tamil Nadu	Online	participated		UBA, Kalasalingam Academy of Research and Education	14.05.2020
Faculty Development Program on Documentation of Graph using LaTeX	Online	participated		C Abdul Kaheem Engineering College of Technology, Chennai	13.05.2020
Webinar on Selection of Appropriate Statistical Tools: A Critical Way for Research	Online	participated		Research Advisory Committee, St.Mary's College, Thoothukudi	12.05.2020
MATLAB Workshop with Application in Linear Algebra	Online	participated		Bangalore Institute of Technology (BIT) Bangalore	11.05.2020 to 16.05.2020
Online Faculty Development Programme on "AN OUTREACH PROGRAMME OF KNOWLEDGE INSTITUTIONS - UNNAT BHARAT ABHIYAN"	Online	participated		DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING , MOUNT ZION COLLEGE OF ENGINEERING AND TECHNOLOGY, Pudukottai	11.05.2020

Online Workshop on “Fuzzy Logic and Neural Network Approaches for Engineering Solutions”	Online	participated		Journal of Advanced Engineering Research in association with hexacube India	03.05.2020 to 04.05.2020
Online Lecture series on Mathematics of Industry 4.0	Online	participated		Department of Mathematics, SRM Institute of Science and Technology, Chennai	27.04.2020 to 29.04.2020
National Conference on Advances in Mathematics (Sponsored by DST-SERB)	National	Presented	A Note on Perfect Intuitionistic Fuzzy Matching	PG and Research Department of Mathematics, St.Mary’s College, Thoothukudi	12.03.2020 to 13.03.2020
UGC SAP Sponsored International Conference on Advances in Applicable Mathematics (ICAAM-2020)	International	Presented	Bloom Torus: A Potential Fixed Interconnection Architecture	Department of Mathematics Bharathiar University Coimbatore-641046 Tamilnadu, India.	21.02.2020 to 22.02.2020
UGC SAP Sponsored International Conference on Advances in Applicable Mathematics (ICAAM-2020)	International	Presented	Propagation in Certain Nano Structures and Bloom Torus	Department of Mathematics Bharathiar University Coimbatore-641046 Tamilnadu, India.	21.02.2020 to 22.02.2020
Roundtable Conference on the Role of Unnat Bharat Abhiyan in achieving Sustainable Development	National	Participated		Gandhigram Rural Institute (Deemed to be University), Gandhigram	05.02.2020

Goals in Tamilnadu: Partnering with Social Solidarity Economy					
Quality Enhancement Initiative (2019-2020) Google Classroom	Orientation Programme	Participated		IQAC, St.Mary's College, Thoothukudi	29.01.2020
Ph.D. in Mathematics	Title of the thesis "Topological Properties, Propagation and Packing Problems in certain Networks"			By the University of Madras	19.11.2019
National Seminar on Education, Neuroscience, Technology and Pedagogy: Neuro-systemic Influence on Learning	National	Participated		Centre for Education Beyond Curriculum (CEDBEC), CHRIST (Deemed to be University), Bangalore	12.11.2019 to 14.11.2019
Workshop on Leadership in Religious Life	State level	Participated		Vaigarai, Dindigul	22.09.2019 to 26.09.2019
Regional Planning Workshop on Unnat Bharat Abhiyan for Participating Institutes	Regional	Participated		Unnat Bharat Abhiyan, Regional Coordinating Institute, Gandhigram Rural Institute (Deemed to be University), Gandhigram	26.07.2019

Two Day Workshop on MATLAB based Mathematical Applications – Hands on Training	Local	Attended		Department of Mathematics, St.Mary's College, Thoothukudi	11.07.2019 to 12.07.2019
TECHSAS Industry-Academia Conclave	State	Participated		School of Advanced Sciences, VIT Chennai	26.04.2019 to 27.04.2019
Workshop on E-content: Processing and Development		Attended		IQAC, St.Mary's college, Thoothukudi	18.03.2019 to 22.03.2019
Instructional School on Emerging Trends in Advanced Mathematics ISETAM 2019	National	Presented	Cube Root Cube Mean Labelling of Graphs	Department of Mathematics, St.Mary's College, Thoothukudi	11.02.2019 to 12.02.19
Regional Workshop for activities planning under Unnat Bharat Abhiyan by Participating Institutes (PIs)	Regional	Participated		UBA- IIT Madras jointly by UBA- IIT Delhi and AICTE	03.12.2018
International workshop on 'Optimization Algorithms, Graph Theory and Differential Geometry in Modern Computing'	International	Participated		Mathematics Division, School of Advanced Sciences, Vellore Institute of Technology, Chennai	23.11.2018 to 24.11.18

International Conference on Mathematical Computer Engineering ICMCE 2018	International	Presented	Broadcasting in Bloom Torus	Mathematics Division, School of Advanced Sciences, Vellore Institute of Technology, Chennai	23.11.2018 to 24.11.2018
CSIR sponsored International Workshop on Graph Theory and Internet of Things in Engineering	International	Participated		Mathematics Division, School of Advanced Sciences, Vellore Institute of Technology, Chennai	13.07.2018 to 14.07.2018
National Conference on Mathematics and Computer Applications NCMCA 2018	National	Presented	Wiener Index of Bloom Torus Architecture	Department of Mathematics, Women Christian College, Chennai	24.01.2018 to 25.01.2018
International Conference on Advances in Applicable Mathematics	International	Presented	Matching in Bloom Graph	Department of Mathematics, Bharathiar University, Coimbatore	07.12.2017 to 08.12.2017
International Conference on Mathematical Computer Engineering (ICMCE-2017)	International	Presented	An Efficient Hosoya Index Algorithm and its Application	Mathematics Division, School of Advanced Sciences, VIT University, Chennai	03.11.2017 to 04.11.2017
International Conference on Mathematical Computer Engineering (ICMCE-2017)	International	Presented	Propagation in Certain Nano Structures and Diamond Mesh	Mathematics Division, School of Advanced Sciences, VIT University, Chennai	03.11.2017 to 04.11.2017

International Seminar on Higher Mathematics	International	Participated		Loyola-Racine Research Institute of Mathematics and Computing Sciences (LIMCOS), Loyola College, Chennai	12.09.2017
Workshop on Applications of Graph Theory	National	Participated		Department of Mathematics in collaboration with Loyola-Racine Research Institute of Mathematics and Computing Sciences (LIMCOS), Loyola College, Chennai	19.08.2017
International Conference on Recent Trends in Mathematics (ICRTM 2017)	International	Presented	Matching Problems in Bloom Graph	PG and Research Department of Mathematics, Loyola College, Chennai	07.03.17
International Conference on Mathematical Modeling and Computational Methods in Science and Engineering (ICMMCMSE-2017)	International	Presented	The Bloom Torus Architecture	Ramanujan Centre for Higher Mathematics and Department of Mathematics, Alagappa University, Karaikudi	20.02.2017 to 22.02.2017
International Conference on Mathematical Computer Engineering	International	Presented	Isoperimetric Path Number of Bloom Graph	School of Advanced Sciences, VIT University, Chennai	16.12.2016 to 17.12.2016

International Conference on Applicable Mathematics (ICAM 2016)	International	Presented	Perfect k-dominance in Bloom Graph	Department of Mathematics, Stella Maris College, Chennai	30.11.2016 to 01.12.2016
Seminar on Recent trends in Graph Theory and Combinatorics (GTCOMB 2016)	National	Presented	Packing of Bloom Graph	Department of Mathematics, Meenakshi College for Women, Chennai	26.07.2016 to 27.07.2016
Conference on Mathematical Computer Engineering (ICMCE 2015)	International	Participated		School of Advanced Sciences, VIT, Chennai	14.12.2015 to 15.12.2015
India Taiwan Conference on Discrete Mathematics	International	Participated		Department of Mathematics, Indian Institute of Madras and the Institute of Mathematical Sciences, Chennai	10.07.2015 to 13.07.2015
Intensive Training Programme on Communicative English	National	Participated		Dinkys Global HR & EDU Consultancy, Tiruchirapalli	18.05.2015 to 31.05.2015
Workshop on MATLAB	State	Participated		Department of Computer Science, St.Mary's College, Thoothukudi	27.09.2014

Seminar on Institutional Quality Improvement: Role of Information and Communication Technology	National	Participated		IQAC, St.Mary's College, Thoothukudi	31.01.2014 to 01.02.2014
First National Students' Assembly and the Launching of Human Values Development Programme	National	Participated		Bishop Heber College, Tiruchirapalli	28.12.2013 to 30.12.2013
Conference on Theoretical Computer Science IC-TCS13	International	Presented	(2,2) Domination in Graphs	PG and Research Department of Mathematics, Loyola College, Chennai	03.10.2013 to 05.10.2013
Workshop on Learning to Teach for New College Teachers	International	Participated		Centre for Education Beyond Curriculum(CED BEC), an initiative of Total Quality Management System (TQMS), Christ University, Bangalore	26.08.2013 to 29.08.2013
Seminar on Ramanujan-The Legend Of Infinity	National	Participated		Department of Mathematics, St.Mary's College, Thoothukudi	14.02.2013 to 16.02.2013

Conference on Graph Theory Generalizations And Applications	International	Participated		SASTRA University, Thanjavur	20.08.2012 to 21.08.2012
Conference on Mathematics In Engineering And Business Management	International	Participated		Stella Maris College and Loyola Institute of Business Administration, Chennai	09.03.2012 to 10.03.2012
Conference on Innovations In Teaching-Learning, Research And Unique Practices In Higher Education	International	Participated		KristuJayanti College, Bangalore	17.11.2011 to 18.11.2011
Conference on Mathematics And Computer Science – ICMCS 2011	International	Presented	Study of Fisher Folk Problems in Thoothukudi using FCM Models	PG and Research Department of Mathematics, Loyola College, Chennai	07.01.2011 to 08.01.2011
Recent Developments in Graph Theory And its Applications	National	Participated		ULTRA College of Engineering and Technology For Women, Madurai	18.03.2010
Skills in Youth Ministry	National	Participated		Kristu Jyoti College, Bangalore	04.05.2009 to 09.05.2009

Fuzzy Theory and Applications	National	Participated		St.Xavier's College, Palayamkottai	22.01.2009 to 24.01.2009
Fuzzy Mathematical Structures	State	Participated		V.V.Vanniaperu mal College, Virudhunagar	27.02.2008

Webinar/ Workshop Organized

Webinar/ Workshop/Seminar Organised (2020 -2022)

Workshop on Quality Research Proposal and Publication	Organizing Secretary	82 Participants		Dr. Selvam, Assistant Professor of Geology, V. O. Chidambaram College, Thoothukudi	17.12.2021
A special lecture on "Isometric Path Partition Problem"	Organizing Secretary	168 participants		Dr.R. Prabha, Head and Assistant Professor, Department of Mathematics, Ethiraj College for Women , Chennai	7.12.2021
National Webinar on "Spectrum of Medical Analytics"	Organizing Secretary	123 participants		Prof. Dr.Pankaj Srivastava, FAI General Secretary & Professor, M.N. National Institute of Technology, Allahabad	06.12.2021
International Seminar on Trends in Mathematics	Organizing Secretary	226 Participants		1.Mr.AndrewArokiaraj, PGT, Department of Mathematics, Shraddha Children's Academy, Chennai, Tamil Nadu, India 2. Rev.Fr. ChiranjilalKujur, Assistant Professor, Department of Mathematics,St. Joseph's College, Darjeeling West Bengal, India	30.10.2021 – 01.11.2021

			<p>3. Dr. Jill K. Mathew, Assistant Professor, Department of Mathematics Mar Ivanios College (Autonomous), Thiruvananthapuram, Kerala, India</p> <p>4. Dr. Debajyoti Mondal, Assistant Professor, Department of Computer Science, University of Saskatchewan, Saskatoon, Canada.</p>	
Recent Trends in Digital Topology	Organizing Secretary		Dr. S. Pious Missier Head and Associate Professor, Don Bosco College of Arts and Science, Keela Eral, Thoothukudi	23.09.2021
A Special Lecture on Embedding Problems in Interconnection Networks	Organizing Secretary		Dr. R. Sundara Rajan Associate Professor Hindustan Institute of technology and Science, Chennai	17.09.2021
International Conference on Social Media Addiction and Artificial Intelligence through online platform	Organizing Secretary	89 participants	<p>1. Dr. Paul Manuel, Professor of Information Science, Kuwait University, Kuwait.</p> <p>2. Dr. Xavier Chelladurai, Director, HRDC and Professor of Computer Science Christ University</p>	20.08.2021
A special Lecture on Labeling and Coloring in Graphs	Organizing Secretary		Dr. Indra Rajasingh, Dean and Professor of Mathematics, Vellore Institute of Technology, Chennai	17.08.2021
Inauguration of St. Mary's Mathematics Research Forum	Organizing Secretary		Dr. Paul Manuel Professor of Information Sciences Kuwait University Kuwait	07.07.2021
International Webinar on Numbers	Convener	Participants Enrolled: 325	Benoît RITTAUD Université Sorbonne Paris Nord, Institut Galilée Laboratoire Analyse, Géométrie et Applications (CNRS, UMR 7539) 99 avenue Jean-Baptiste Clément F-93430 Villetaneuse, France	20.10.2020

Webinar on Mathematical Documentation and Computation Using Online Tools	Convener	Participants Enrolled: 2425	Speaker: Dr. Clement J St. Joseph's College of Engineering Chennai	PG and Research Department of Mathematics St. Mary's College Thoothukudi	28.05.2020 to 29.05.2020
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Organizing Secretary (2009-2013)

- Workshop on Quantitative Aptitude on 13th September 2012 (Dr. Sekar – Resource Person)
 - Workshop on MATLAB on 18th October 2012
 - Ramanujan- The Legend Of Infinity sponsored (Rs. 2,25,000) by DST from 14th February 2013 to 16th February 2013 (Mathematics Seminar - Mobile expo to Tuticorin 12 Schools – Banking awareness Programme to 30 villages in three centers)
 - Math Fest on National Year of Mathematics on 27th January 2012 and Mathematics Exhibition
 - Workshop on Competitive Exam on 10th March 2010
- National Seminar - International Year of Astronomy- Challenges before Humanity from 1st October 2009 to 2nd October 2009 (Getting Sponsors and arranging Exhibitions in the college and the village Tharuvaikulam)

Papers Published

Paper Title	Author(s)	Journal	Year	Volume	Issue	Page No.
Hop and Perfect Domination Numbers of Bloom Graph	S. Kulandai Therese, Andrew Arokiaraj	Abstracts of the International Conference on Recent Trends in Mathematics and Computer Science 2023 Published by AIJR Publisher in "Abstracts of the International Conference on Recent Trends in Mathematics and Computer Science 2023" (ICRTMCS-2023), 19-21 October 2023. Organized by the Department of Mathematics and Computer Science, Auxilium College of Arts and Science for Women, Tamil Nadu, India. DOI: 10.21467/abstracts.158 ISBN: 978-81-965621-0-6 (eBook)	2023			77
Molecular Structural Characterization of Cycloparaphenylene and its Variants	S. Prabhu, G. Murugan, S. Kulandai Therese, M. Arulperumjothi & Muhammad Kamran Siddiqui	Polycyclic Aromatic Compounds (SCI Indexed) https://doi.org/10.1080/10406638.2021.1942082	July 2021			1-17

Propagation in certain nano structures and bloom torus	S.Kulandai Therese. , Paul Manuel., D. Antony Xavier	AIP Conference Proceedings (SCOPUS)	October 2020	2261	1	30129 (1) - 30129 (12)
Bloom Torus: A Potential Fixed Interconnection Architecture	S.Kulandai Therese. , D. Antony Xavier., Andrew Arokiaraj	Malaya Journal of Mate Matik ISSN(P):2319-3786 ISSN(O):2321-5666	March 2020	S	1	58-65
Cube Root Cube Mean Labelling of Graphs	S.Kulandai Therese, K.Romila	International Journal of Mathematics Trends and Technology	February 2019	65	2	130-135.
Wiener Index of Bloom Torus Architecture	D.Antony Xavier, S.Kulandai Therese, Andrew Arokiaraj	Proceedings of National Conference on Mathematics and Computer Applications ISBN:978-93-81899-85-1	2018			193-194
A Class of Perfect Domination Problems on Diamond Lattices	Paul Manuel, D.Antony Xavier, S.Kulandai Therese, Andrew Arokiaraj	International Journal of Pure and Applied Mathematics	2016	109	7	115-123
Packing of Bloom Graph	D.Antony Xavier, S.Kulandai Therese, Andrew Arokiaraj	Proceedings of the National Seminar on Recent Trends in Graph Theory & Combinatorics	2016			115-119
Packing Parameters of Bloom Graph	D.Antony Xavier, S.Kulandai Therese, Andrew Arokiaraj, Elizabeth Thomas	International Journal of Mathematics and its Applications	2016	4	2-D	29-33
2-Rainbow Domination of Hexagonal	D.Antony Xavier, Elizabeth Thomas,	International Journal of Computing Algorithm	2014	3	1	5-8

Mesh Networks	S.Kulandai Therese				
Study of Fisher Folk Problems in Thoothukudi using FCM Models	S.Kulandai Therese, A.VictorDevadoss	Proceedings of Conference on Mathematics And Computer Science – ICMCS 2011	2011		
Importance & Relevance of Value Based Education	S.Kulandai Therese	Proceedings of National Seminar on Quality Sustenance in Higher Education	2009	20-21 Feb '09	251-257

Collaborative Research

Research		Dr. S. Prabhu Associate Professor of Mathematics Sri Venkateshwara College of Engineering, Sriperumpudur	2021		
Internship Project Guidance		Ms. Mehala Department of Mathematics Holy Cross College Tiruchirapalli	2020		

Orientation / Refresher Courses

Title of the Orientation / Refresher Courses	Type	Paper Presented/ Participated	Title of the Paper	Organized By	Date
Online two-week Refresher Course in "Managing Online Classes & Co-creating MOOCs"	National	Attended	Inter-Disciplinary	Ministry of Education, Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching, Teaching Learning Centre, Ramanujan	06-September -2023 to 20-September -2023

				College, University of Delhi	
Refresher Course in Mathematics	National	Attended	Disciplinary	Ministry of Education, Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching, Teaching Learning Centre, Ramanujan College, University of Delhi	29-April- 2023 to 13-May- 2023
Refresher Course in Mathematics	National	Attended	Disciplinary	Ministry of Education, Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching, Teaching Learning Centre, Ramanujan College, University of Delhi	31-August- 2021 to 14- September -2021

Refresher Course in Mathematics	National	Attended	Disciplinary	Ministry of Education, Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching, Teaching Learning Centre, Ramanujan College, University of Delhi	16-Mar-2021 to 30-Mar-2021
Advanced Research Methodology: Tools and Techniques	National	Attended	Multidisciplinary	Ministry of Education, Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching, Teaching Learning Centre, Ramanujan College, University of Delhi	31-Jan-2021 to 14-Feb-2021
Refresher course on Mathematics and Statistics	National	Attended	Disciplinary	UGC- HRDC, Bharathiyar University, Coimbatore	13.02.19 to 05.03.19
UGC-Sponsored	National	Participated		UGC-Academic	26.04.11 to

Orientation Programme (IT-Oriented)				Staff College, University of Kerala, Kariavattom	23.04.11
Faculty Development Programmes					
Faculty Development Programme titled Algorithmic Graph theory	National	Participated		Division of Mathematics, School of Advanced Sciences, VIT Chennai	26-Dec-2022 to 30-Dec-2022
40 Hour Online Faculty Development Programme on 'Mathematical and Statistical Approach to Data Science, Machine Learning and Natural Language Processing'	National	Participated	Sponsored by Ministry of Electronics and Information Technology (MeitY)	E & ICT Academy, National Institute of Technology (NIT) Warangal and St. Joseph's College of Engineering, OMR Chennai	16-May-2022 to 26-May-2022
One Week Faculty Development Programme on 'Data Analytics & Mathematical Software Tools'	National	Attended		Teaching Learning Centre, Ramanujan College, University of Delhi In collaboration with PG and Research Department of Mathematics, Jamal Mohamed College, Tiruchirapalli	25-February-2022 to 03-March-2022

One Week Residential Faculty Development Programme SEAT for Rural India (Science, Education And Technology for Rural India)	National	Attended		Department of Mechanical Engineering, Ramaiah Institute of Technology, Bangaluru	29.06.19 to 06.07.19
Short Term Courses					
Online Short-Term Course on 'End to End Data Science Product Development'	National	Attended		Dept. of CSE and Dept. Of Mathematics, Centre for Continuing Education, National Institute of Technology, Warangal, and Dept. of CSE, Sir C R Reddy College of Engineering, Eluru	05-Dec-2022 to 09-Dec-2022
Ph.D. Award					
Ph.D. Viva-voce Examinations		Defended the Ph.D. thesis		At Seminar Hall, LIFE Building, Loyola College, Chennai	30.05.19
FDP under UGC XII Plan	Fulltime Research Scholar	Ph.D in Mathematics	Graph Theory and its Applications	Under the guidance of Dr.D.Antony Xavier Loyola College Chennai	19.06.15 to 18.06.18
NPTEL/ Online/Coursera/Udemy Courses					
Data Science Foundations	Free Online Course provided by Great Learning Academy	Successfully Completed		Great Learning Academy	October 2023

Matrix Analysis with Application	NPTEL online course	Successfully Completed		AICTE Approved FDP course	August to October 2019 (Eight weeks course)
Introduction to R Software	NPTEL online course	Elite with 70%		AICTE approved course	August to October 2019 (Eight weeks course)
Funded Projects					
Coordinator	Perennial Assistance Fund by UBA	Rs.1,75,000	April 2022 to July 2022	Entrepreneurial Trainings, Spoken English Training and Solar Lamps Installation in adopted villages	
Activity Coordinator	Rajiv Gandhi National Institute of Youth Development (Institution of National Importance by the Act of Parliament No. 35/2012) Ministry of Youth Affairs & Sports Government of India Sriperumbudur – 602 105, Tamil Nadu.	Rs.75,000	08.03.2022 to 10.03.2022	Efficient Learning of Linguistic Skills and Mathematical Fundamentals to Rural Children of Vadakku Kalangarai Village of Korampallam Panchayat	
UBA coordinator	UnnatBhart Abhiyan, IIT Delhi & MHRD	Rs.50,000	March 2019 to July 2019	Unnat Bharat Abhiyan Village Survey	

Programmes Organized in Community Development Programme / Unnat Bharat Abhiyan

Food Festival in Vadakku Kalangarai	UBA coordinator	With SUDAR Trust	Among Children in Kalangarai	14.11.2023	
Creative Learning Hub – Evening Tuition Centre (with Teaching Learning Materials and creating infrastructure)	UBA coordinator	With SUDAR Trust	Among Children in Kalangarai	01.11.2023 to 31.05.2024	
MoU signed	UBA coordinator	With Sarada Krishna Homeopathic Medical College Kulasekaram Kanyakumari District	To conduct Medical Camps in our adopted villages	On 23.02.2022	
Evening Tuition to children of Vadakku Kalangarai	UBA coordinator	Vadakku Kalangarai	August 2021 to May 2023		
Proposal Development for Community Engagement by Participating Institutions	UBA Activities Sharing	Tharuvaikulam village, under development Block	Appreciation	Regional Co-ordinating Institutes, Gandhigram Rural Institute NIRD & PR	19.06.2020

Unnat Bharat Abhiyan					
A one day workshop on Jal Sakthi Gram & Swachhata Hi Sewa Campaign – An initiative for Water Conservation and Plastic Awareness	Palayakayal village Students & People	UBA Co-ordinator	Inaugural of four schemes	Unnat Bharat Abhiyan, St.Mary's College, Thoothukudi	03.10.2019
A one day Self and Environmental Development Workshop village Women and Children	Tharuvaikulam village Women and Children	UBA Co-ordinator	Inaugural of four schemes	Unnat Bharat Abhiyan, St.Mary's College, Thoothukudi	10.08.2019
Rural Development through Women Empowerment	Members of Community Development Programme	UBA Co-ordinator	Orientation Programme to Students	Unnat Bharat Abhiyan, St.Mary's College, Thoothukudi	20.07.2019

As a Resource Person

Date	Name of the Institution	Invited As	Topic/Event
22.02.2024 – 23.02.2024	Department of Mathematics, Loyola College, Chennai	Chairperson	International Conference on Recent Trends in Applied Mathematics (ICRTAM 2024)
19.10.2023 – 21.10.2023	Auxilium College of Arts and Science for Women, Regunathapuram	Chair Person	International Conference on Recent Trends in Mathematics and Computer Science
30.08.2023	Department of Mathematics, Govindammal Aditanar College for Women, Tiruchendur	Resource person	Adventures of Mathematics
01.03.2023	PG and Research Department of Mathematics, APC Mahalakshmi College for Women, Thoothukudi	Resource person	Molecular Topological characterization of Chemical Structures
21.11.2022	St.Louisa Girls' Hr. sec. School, Kalugumalai	Motivational Speaker	Orientation on Holistic Development to Staff and Students
03.03.2022 – 04.03.2022	Department of Mathematics, Loyola College, Chennai	Chair person	International Conference on Recent Trends in Applied Mathematics
28.02.2022	Department of Mathematics, Jamal Mohamed College, Tiruchirapalli	Speaker	Special Lecture on 'Computations of Molecular Descriptors'
15.04.2021 to 20.04.2021	DBT STAR Programme School of Physical Sciences, St.Mary's College, Thoothukudi	Workshop Trainer (Offline Training and Online Instructions)	A one week 'Hands on Training' on the topic 'MATLAB and its Applications in Physical Sciences'

11.06.2020	GOVERNMENT ARTS COLLEGE, UDHAGAMANDALAM	Speaker	Webinar on “ Molecular Descriptors in Chemical Graph Theory “
07.01.2018	St.Mary’s College, Thoothukudi	Speaker	On ‘Update and Recent Trends in Cut methods’ in International Conference on Applications of Mathematics
08.02.2012	Wavoo Wajeetha Women's College of Arts & Science, Kayalpatnam	Speaker	Workshop on Applications of Mathematics
03.09.2009 & 5.11.2009 - 6.11.2009	Staff Selection Commission for Southern Region, Chennai	Item writer	Commission’s “Question Bank Workshop on Numerical Aptitude/Arithmetic Ability & Mathematics”

Abroad Visited and Talks Delivered

Slovenian International conference on Graph Theory	Organized by University of Ljubljana, Slovenia in Kranjska Gora, Slovenia in Slovenia	Delivered a Talk On Distance and Degree Based Topological Characterization of Nanodiamond Structure	18.06.2023 – 24.06.2023
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Talks Delivered

10.11.2022	Road Safety Patrol St,Mary’s College Thoothukudi	Speaker	Felicitation in the awareness programme on Prevention and Protection against Road Accidents

31.10.2022	Department of Tamil St.Mary's College Thoothukudi And Tamil Panpattu Aayvu Maiyam, Palakad	Speaker	Felicitation on the workshop titled 'Thiru Vanavil K.Ravi's Padaipulagam'
18.02.2022	Department of Tamil St.Mary's College Thoothukudi	Speaker	Felicitation on World Mother Tongue Day
20.09.2021	St.Mary's College, Thoothukudi	Speaker	Centre for Entrepreneurship In Freshers Induction to Clubs and Forums
22.08.2021	Department of Tamil St.Mary's College Thoothukudi in collaboration with Tamil University, Thanjavur Folklore Department	Speaker	On 'Folklore: Now and in the Future' on World Folklore Day
15.08.2021	Lions Club of Tuticorin Pearls donated Health mix powder to 100 families of Vadakku Kalangarai and sponsored the tuition fees for two months	Speaker	Independence Day address to the members of Lions Club of Tuticorin Pearls

Appreciations

Appreciation from NIRDPR, Hyderabad & National Coordinating Institute UBA, IIT-Delhi	National Level Workshop on Engagement of Higher Educational Institutions in Rural Development (2-3 December 2021)	For UBA activities in our adopted villages
Appreciation from Thoothukudi Collectarate	Counselling to COVID patients in COVID Second Wave	May 2021 to July 2021
Appreciation to Social Work by Kamarajar Arakkattalai, Thoothukudi	For Village Women Development Activities	3 rd August 2021

Award

International Eminent Social Worker Award 2021	International Institute of organized Research	20 th November 2021
Best UBA Coordinator Award for the village activities	Awarded by UBA of NIT, Delhi in Gandhigram Rural Institute, Gandhigram	7 th August 2024