

<b>Name</b>	Dr. J. Arul Jesti
<b>Qualification</b>	M.Sc., B.Ed., M.Phil., Ph.D.,
<b>Designation</b>	Assistant Professor Department of Mathematics St. Mary's College (Autonomous) Thoothukudi
<b>Year of Joining</b>	22.11.2017
<b>Specialization</b>	Topology
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#### Seminars/Workshops/Conferences/FDP/Orientations

<b>Title of Workshop/ Seminar/ FDP/ Conferences</b>	<b>Type</b>	<b>Paper Presented/ Participated</b>	<b>Title of the Paper</b>	<b>Organized By</b>	<b>Date</b>
Read Today To Lead the World Tomorrow	National Seminar	Participated		Dept of MHRM & Library Committee, St.Mary's College(Autonomous), Thoothukudi	19 <sup>th</sup> Sep 2024
Elevate your Research: Author and Editor Insights for Publishing in a Reputed Journal	State Level Workshop	Participated		Marian Research Forum, St.Mary's College(Autonomous), Thoothukudi	20 <sup>th</sup> Aug 2024
NEP 2020 Orientation & Sensitization Programme under Malaviya Mission Teacher Training Programme	Orientation & Sensitization Programme	Participated		UGC-MMTTC, University of Kerala, Kariavattom, Thiruvananthapuram	17 <sup>th</sup> - 29 <sup>th</sup> Jul 2024

(MM-TTP) of University Grants Commission (UGC)					
Applications of Mathematics in Data Science	International Conference	Paper Presented	A new form of Contra Continuous in Intuitionistic Topological Spaces	St.Xavier's College(Autonomous), Palayamkottai	27 <sup>th</sup> -28 <sup>th</sup> Feb 2024
Navigating Consultancy, Filing Patent and Designing Research Article: Insights and Strategies	National Seminar	Participated		Marian Research Forum and IQAC, St.Mary's College(Autonomous), Thoothukudi	29 <sup>th</sup> Jan 2024
Research Publication: An Integrative and Dynamic Approach	Conference	Participated		Marian Research Forum, St.Mary's College(Autonomous), Thoothukudi	19 <sup>th</sup> April 2023
Innovation in Research(IMCIR 2023)	International Multidisciplinary Conference	Paper Presented	Some Separation Axioms in Nano Ideal Topological Spaces	IQAC & IIC, A.P.C. Mahalaxmi College for Women, Thoothukudi	1 <sup>st</sup> April 2023
Academic Writing : Authenticity and Ethical Imperatives (Exclusive Hands on Training)	Workshop	Participated		Dept of MHRM & Library Committee, St.Mary's College(Autonomous), Thoothukudi	20 <sup>th</sup> Sep 2023
Faculty in Universities/Colleges/Institutes of Higher Education	4-Week Faculty Induction/Orientation Programme			Teaching Learning Centre, Ramanujan College, University of Delhi under the aegis of Pandit	21 <sup>st</sup> Aug – 19 <sup>th</sup> Sep 2023

				Madan Mohan Malaviya National Mission on Teachers and Teaching, Ministry of Education	
Artificial Intelligence(AI) tools for Education with Special Reference to Chat GPT, GPT 4 & LAMMA	National Seminar	Participated		Library Committee & IIC, St.Mary's College(Autonomous), Thoothukudi	11 <sup>th</sup> Aug 2023
End-to-End Data Science Product Development	Online Short-Term Course	Participated		Dept. of CSE and Dept. of Mathematics, NITW and Dept. of CSE, Sir C R Reddy College of Engineering, Eluru in association with CCE, NIT Warangal	05 <sup>th</sup> – 09 <sup>th</sup> Dec 2022
Presentation Skills in a Class Room	3 Day Faculty Development Programme	Participated		ICT Academy at St.Mary's College	17 <sup>th</sup> -19 <sup>th</sup> Nov 2022
Multilingual Thirukkural World Record Programme		Participated		Manitham Vithaipom, All India Book of Record America Mutamil World Record, Manitham Vithaipom Int Tv.	15 <sup>th</sup> -10 <sup>th</sup> Aug 2022
IP Awareness/ Training Program		Participated		NIPAM, Intellectual Property Office, India	29 <sup>th</sup> July 2022

Recent Trends in Mathematics and its Applications (ICRTMA 2022)	International Conference	Paper Presented	1. On $I\alpha_g^\Delta$ -Connectedness in Intuitionistic Topological Spaces 2. New Slightly and Totally Continuous in Intuitionistic Topological Spaces	St. Jude's College, Thoothoor	28 <sup>th</sup> -29 <sup>th</sup> July 2022
Recent Developments in Pure and Applied Mathematics	International Conference	Paper Presented	nlgssemi*-compact spaces and nlgssemi*-Lindelof spaces in Nano Ideal Topological Spaces	PG and Research Department of Mathematics, St. Xavier's College(Autonomous), Palayamkottai	19 <sup>th</sup> -21 <sup>st</sup> July 2022
Young Faculty of Colleges and Universities	Faculty Development Programme	Participated		United Board and St. Christopher College of Education, Chennai	12 <sup>th</sup> -16 <sup>th</sup> July 2022
Outcome Based Research-A Path to Innovation	National Conference	Participated		Marian Research Forum, St.Mary's College(Autonomous), Thoothukudi	30 <sup>th</sup> May 2022
Recent Innovations in Science, Engineering and Technology	International Conference	Paper Presented	New Forms of Contra-continuity and contra-irresolute maps in Nano Ideal Topological Spaces	Jeppiaar Institute of Technology, Chennai	13 <sup>th</sup> -14 <sup>th</sup> May 2022
Current Trends in Mathematics	State Level Conference	Paper Presented	Some $I\alpha_g^\Delta$ -Continuous	PG and Research	5 <sup>th</sup> -6 <sup>th</sup> May 2022

			Function in Intuitionistic Topological Spaces	Department of Mathematics, V.O. Chidambaram College, Thoothukudi	
Analysis and Applied Mathematics(ICA AM-2022)	International Conference	Paper Presented	$Ji$ -Continuous Function in Intuitionistic Topological Spaces	Department of Mathematics, Ayya Nadar Janaki Ammal College(Autonomous), Sivakasi and Ramco Institute of Technology, Rajapalayam	26 <sup>th</sup> -28 <sup>th</sup> April 2022
Analysis and Applied Mathematics(ICA AM-2022)	International Conference	Paper Presented	$I\alpha_g^\Delta$ -Continuous Function in Intuitionistic Topological Spaces	Department of Mathematics, Ayya Nadar Janaki Ammal College(Autonomous), Sivakasi and Ramco Institute of Technology, Rajapalayam	26 <sup>th</sup> -28 <sup>th</sup> April 2022
Education and Research: Reforms in the 21 <sup>st</sup> Century	International Conference	Paper Presented	$I\alpha_g^\Delta$ -Closed Map and $I\alpha_g^\Delta$ -Homeomorphism in Intuitionistic Topological Spaces	IQAC, A.P.C. Mahalaxmi College for Women, Thoothukudi	26 <sup>th</sup> April 2022
Education and Research: Reforms in the 21 <sup>st</sup> Century	International Conference	Paper Presented	Some New Open and Closed Maps in Intuitionistic Topological Spaces	IQAC, A.P.C. Mahalaxmi College for Women, Thoothukudi	26 <sup>th</sup> April 2022
Education and Research: Reforms in the 21 <sup>st</sup> Century	International Conference	Paper Presented	Nano Ideal Generalized Semi* Continuous and	IQAC, A.P.C. Mahalaxmi College for Women, Thoothukudi	26 <sup>th</sup> April 2022

			Irresolute Functions in Nano Ideal Topological Spaces		
Mathematics an its Applications	Online Faculty Development Programme	Participated		PG and Research Department of Mathematics, V.O.Chidambaram College, Thoothukudi	23 <sup>rd</sup> – 30 <sup>th</sup> Mar 2022
Importance of IP in Scientific Research- An Overview	International Webinar	Participated		Marian Research Forum, St.Mary's College(Autonomous), Thoothukudi	01 <sup>st</sup> Mar 2022
Introduction to R Programming	National Workshop	Participated		Department of Mathematics, Kai. Rasika Mahavidhyalaya, Deoni	03 <sup>rd</sup> -05 <sup>th</sup> Feb 2022
Introduction to Mathematical Ecology	International Virtual Workshop	Participated		Department of Mathematics, SRM Institute of Science and Technology, Chennai	04 <sup>th</sup> Feb 2022
Library without Walls: E-Resources through NLIST	Hands on Tutorial	Participated		Library committee, St.Mary's College(Autonomous), Thoothukudi	10 <sup>th</sup> Jan 2022
Prospects of Social Media Tools on Knowledge Sharing	National Webinar	Participated		Institution's Innovation Council and Department of Library, St.Mary's College(Autonomous), Thoothukudi	15 <sup>th</sup> Dec 2021

Multiplicative Inverse Functional Equations and their Applications	International Webinar	Participated		PG & Research Department of Mathematics, St. Joseph's College of Arts & Science, Cuddalore	29 <sup>th</sup> Oct 2021
Frontiers of Mathematics	Ten days International Virtual FDP	Participated		Department of Mathematics, SRM Institute of Science and Technology, Ramapuram, Chennai	19 <sup>th</sup> July to 28 <sup>th</sup> July 2021
Mathematics and Statistics in Emerging Field	Six days Faculty Development Programme	Participated		Department of Mathematics, KPR Institute of Engineering and Technology, Coimbatore	05 <sup>th</sup> July to 10 <sup>th</sup> July 2021
Systematic Research Methodology - A Transformative Tool for Scientific Research	International Webinar	Participated		Marian Research Forum, St. Mary's College (Autonomous), Thoothukudi	22 <sup>nd</sup> July 2021
Mathematics and Statistics in Emerging Field	FDP	Participated		KPR Institute of Engineering and Technology	5 <sup>th</sup> to 7 <sup>th</sup> July 2021
Recent Trends in Mathematics	Online International FDP	Participated		PG and Research Department of Mathematics, V.O.Chidambaram College, Thoothukudi	21 <sup>st</sup> to 25 <sup>th</sup> June 2021
Documentation through LATEX	International Online Workshop	Participated		Global Institute of Statistical Solutions(GISS)	18 <sup>th</sup> to 22 <sup>nd</sup> June 2021
Applications and Opportunities of Analysis	National Webinar	Participated		Department of Mathematics, Sree Narayana College, Kollam	18 <sup>th</sup> June 2021

Effect of Information Communication Technology(ICT) Tools among the Academics	International Webinar	Participated		Central Library & Department of Library and Information Science, Sadakathullah Appa College(Autonomous), Tirunelveli	12 <sup>th</sup> June 2021
Applications of Mathematics	National Webinar	Participated		PG and Research Department of Mathematics, St .Mary's College (Autonomous), Thoothukudi	05 <sup>th</sup> March 2021
Numbers	International Webinar	Participated		PG and Research Department of Mathematics, St .Mary's College (Autonomous), Thoothukudi	20 <sup>th</sup> October 2020
COVID 19: The King of 2020 & Women and Health Care in the Covid-19 Scenario	Webinar	Participated		PG and Research Department of Mathematics, A.P.C. Mahalaxmi College for Women, Thoothukudi	10 <sup>th</sup> July 2020
ICT Tools for Smart Teaching	National Online Workshop	Participated		Servite College of Education for Women, Thogamalai	18 <sup>th</sup> June to 20 <sup>th</sup> June 2020
Applications of Graph Theory	National Webinar	Participated		PG and Research Department of Mathematics, V.O.Chidambaram College, Thoothukudi	7 <sup>th</sup> June 2020
COVID-19 A Herculean	Webinar	Participated		Department of Zoology,	5 <sup>th</sup> June 2020



Challenge to Human Immunology				St.Mary's College (Autonomous), Thoothukudi	
Effective Usage of ICT Tools for Higher Education	International Webinar	Participated		Servite Arts and Science College for Women, Thogamalai	3 <sup>rd</sup> June 2020
Young Professionals: Plotting a Career Path... Post Pandemic	Webinar	Participated		St.Mary's College (Autonomous), Thoothukudi	30 <sup>th</sup> May 2020
Mathematical Documentation and Computation Using Online Tools	Webinar	Participated		PG and Research Department of Mathematics, St.Mary's College (Autonomous), Thoothukudi	28 <sup>th</sup> and 29 <sup>th</sup> May 2020
Image Processing using Techniques using MATLAB	Webinar	Participated		JJ College of Arts and Science, Pudukkottai	28 <sup>th</sup> May 2020
Real Life Applications of Fuzzy Mathematics	Faculty Development Programme	Participated		St.Peter's Institute of Higher Education and Research, Avadi, Chennai	22 <sup>nd</sup> May 2020
Teaching using ICT Tools	Faculty Development Programme Teaching using ICT Tools	Participated		JP College of Arts and Science, Ayikudy, Tenkasi	20 <sup>th</sup> to 24 <sup>th</sup> May 2020
Mind Your Minds During Lockdown - To Counter Stress	Webinar	Participated		Department of Mathematics, V.O.Chidambaram College, Thoothukudi	20 <sup>th</sup> May 2020
Mathematical Sciences for CSIR-UGC NET Aspirants	Online Workshop	Participated		Department of Mathematics, St.Mary's College(Autonomous),	19 <sup>th</sup> to 23 <sup>rd</sup> May 2020

				Thoothukudi	
LaTeX	Online Workshop	Participated		Department of Mathematics, St. Teresa Arts and Science College for Women, Mangalakuntu	18 <sup>th</sup> to 23 <sup>rd</sup> May 2020
Managing Online Classes and Co-Creating Moocs:2.0	Faculty Development Programme	Participated		Teaching Learning Centre, Ramanujan College, University of Delhi, Sponsored by MHRD, Pandit Madan Mohan Malaviya National Mission on Teachers And Teaching	18 <sup>th</sup> May to 3 <sup>rd</sup> June 2020
Self Plagiarism – Ethical and Legal Dimensions	National Webinar	Participated		NarseeMonjee College of Commerce & Economics, Mumbai	18 <sup>th</sup> May 2020
Neuro Linguistic Programming Techniques for Teaching Excellence	Faculty Development Program Digital Learning Series	Participated		Sree Ramakrishna College of Arts and Science	16 <sup>th</sup> May 2020
Mathematical Sciences for CSIR-NET/SET/GATE	Online workshop	Participated		Department of Mathematics, Sree Narayana Guru College, Coimbatore	11 <sup>th</sup> to 15 <sup>th</sup> May 2020

Mental health and psychosocial consideration during lockdown	Online workshop	Participated		St.Mary's College(Autonomous), Thoothukudi in association with Aadhi Foundation	13 <sup>th</sup> and 14 <sup>th</sup> May 2020
Psychological First-Aid	Online workshop	Participated		Department of Psychology, St.Mary's College (Autonomous), Thoothukudi	11 <sup>th</sup> May 2020
LaTeX	Faculty Development Programme	Participated		V.O.Chidambaram College, Thoothukudi	29 <sup>th</sup> April to 05 <sup>th</sup> May 2020
Advances in Mathematics	National Conference	Paper Presented	A New Locally Closed Sets in Nano Topological Spaces	Dept. of Mathematics, St.Mary's College (Autonomous), Thoothukudi	12 <sup>th</sup> and 13 <sup>th</sup> March 2020
Advances in Mathematics	National Conference	Paper Presented	A New Class of Nearly Open Sets in Nano Topological Spaces	Dept. of Mathematics, St.Mary's College (Autonomous), Thoothukudi	12 <sup>th</sup> and 13 <sup>th</sup> March 2020
Advances in Mathematics	National Conference	Paper Presented	Slightly $F_g I$ -Continuous Functions & Totally $F_g I$ -Continuous Functions in Ideal Topological Spaces	Dept. of Mathematics, St.Mary's College (Autonomous), Thoothukudi	12 <sup>th</sup> and 13 <sup>th</sup> March 2020
Innovative Inventions in Mathematics, Computers, Engineering & Humanities(ICI MCEH'20)	International Conference	Paper Presented	New Notions in Ideal Topological Spaces	Don Bosco College of Arts & Science, Keelaeral, Thoothukudi	14 <sup>th</sup> Feb 2020

Innovative Inventions in Mathematics, Computers, Engineering & Humanities (ICI MCEH'20)	International Conference	Paper Presented	Some New Nearly Open Sets in Nano Topological Spaces	Don Bosco College of Arts & Science, KeelaEral, Thoothukudi	14 <sup>th</sup> Feb 2020
Scientific Publication and Evaluation: Reference tools, Citation Analysis and Plagiarism	National Seminar	Participated		Department of Library and Research Forum, St.Mary's College (Autonomous), Thoothukudi	3 <sup>rd</sup> Feb 2020
e-resources for Teachers of HEIs	National Seminar	Participated		Manonmaniam Sundaranar University, Tirunelveli	25 <sup>th</sup> Nov 2019
Writing Research Proposals for Funded Projects	National Workshop	Participated		Research Advisory Committee, St.Mary's College (Autonomous), Thoothukudi	14 <sup>th</sup> Sep 2019
MATLAB Based Mathematical Applications	Workshop- Hands on Training	Participated		Dept. of Mathematics, St.Mary's College (Autonomous), Thoothukudi	11 <sup>th</sup> and 12 <sup>th</sup> July 2019
Creating Blog for Google generation in the 2.0 World	State level Workshop	Participated		Department of Library, St.Mary's College (Autonomous), Thoothukudi	12 <sup>th</sup> March 2019
Analysis	State level Workshop	Participated		Sadakathullah Appa College (Autonomous), Tirunelveli	07 <sup>th</sup> March 2019
Emerging Trends in Advanced Mathematics- ISETAM 2019	NBHM sponsored Instructional School	Paper Presented	On $gS_g^*$ - functions in topological spaces	Dept. of Mathematics, St.Mary's College (Autonomous),	11 <sup>th</sup> and 12 <sup>th</sup> Feb 2019

				Thoothukudi	
Applications of Mathematics	International Conference	Participated		Research Dept. of Mathematics, St.Mary's College (Autonomous), Thoothukudi	11 <sup>th</sup> Jan 2018
Academic and Research Integrity in the Digital World	National Seminar	Participated		Research Forum and Department of Library, St.Mary's College (Autonomous), Thoothukudi	9 <sup>th</sup> Dec 2017
LaTeX	Instructional Workshop	Participated		Research Dept. of Mathematics, St.Mary's College(Autonomous), Thoothukudi	21 <sup>st</sup> and 22 <sup>nd</sup> Sep 2017
Discrete and Computational Mathematics	International Conference	Paper Presented	$\hat{g}^*$ -s-locally closed sets in Topological spaces	Ganthigram Rural Institute-Deemed University, Dindigul, Tamil Nadu, India.	16 <sup>th</sup> -18 <sup>th</sup> Feb 2017
Human Values Development Programme	Workshop	Participated		St.Mary's College (Autonomous), Thoothukudi	2 <sup>nd</sup> Feb 2017
Cosmic Concerns:An Interdisciplinary Dialogue in Applied Ethics	National Conference	Participated		IQAC, St.Mary's College (Autonomous), Thoothukudi	27 <sup>th</sup> -28 <sup>th</sup> Jan 2017
Recent Trends in Mathematics	National Seminar	Participated		Dept. of Mathematics, St.Mary's College (Autonomous),	14 <sup>th</sup> Dec 2016

				Thoothukudi	
E-content Development	Capacity Building Workshop	Participated and created SLO	Created SLO on Complex Number	IQAC, St. Mary's College (Autonomous), Thoothukudi	11 <sup>th</sup> -16 <sup>th</sup> April 2016
Quality Enhancement in Higher Education: Teaching, Learning & Evaluation	National Seminar	Participated		IQAC, St. Mary's College (Autonomous), Thoothukudi	7 <sup>th</sup> and 8 <sup>th</sup> Jan 2016
Advances in Fuzzy algebra, Fuzzy Topology and Fuzzy Graphs	National Conference	Participated		A.P.C. Mahalaxmi College for Women, Thoothukudi.	22 <sup>nd</sup> -23 <sup>rd</sup> Jan 2015
Graph theory and topological spaces	National Seminar	Participated		PG and Research Department of Mathematics, V.O.Chidambaram College, Thoothukudi.	12 <sup>th</sup> April 2014
Mathematical Sciences-2014 (ICM2014MKU)	International Conference	Paper Presented	Properties of $S_g^*$ -functions in topological spaces	School of Mathematics, Madurai Kamaraj University, Madurai and "International Multidisciplinary Research Foundation"	21 <sup>st</sup> -23 <sup>rd</sup> Aug, 2014

### Papers Published

Paper Title	Journal	Year	Volume	Issue	Page No.
Some Separation Axioms in Nano Ideal Topological Spaces	Journal of Namibian Studies (Scopus) ISSN : 2197-5523	2023	35	1	2502-2508
$nlgsemi^*$ -Locally Closed Sets in Nano Ideal Topological	Journal of Harbin Engineering University (Scopus)	2023	44	7	2115-2120

Spaces	ISSN : 1006-7043				
A New Notion of Mappings in Nano Ideal Topological Spaces	Journal of Namibian Studies (Scopus) ISSN : 2197-5523	2023	35	1	1239-1246
On $nI_g\text{semi}^*$ -Normal Spaces and $nI_g\text{semi}^*$ -Regular Spaces in Nano Ideal Topological Spaces	European Chemical Bulletin (Scopus) ISSN : 2063-5346	2023	12	5	6061-6065
New Forms of Contra-Continuity and Contra-Irresolute maps in Nano Ideal Topological Spaces	Journal of Namibian Studies (Scopus) ISSN : 2197-5523	2023	35	1	2493-2501
Connectedness And Compactness in Intuitionistic Topological Space	Journal of Namibian Studies (Scopus) ISSN : 2197-5523	2023	35	1	967-975
Strongly and Perfectly $I\alpha_g \wedge$ -Continuous Function in Intuitionistic Topological Space	Journal of Namibian Studies (Scopus) ISSN : 2197-5523	2023	35		75-82
Some Function in Intuitionistic Topological Space	European Chemical Bulletin (Scopus) ISSN : 2063-5346	2023	12	10	1973-1978
Some New Connectedness in Intuitionistic Topological Spaces	Purakala (UGC Care Journal) ISSN : 0971-2143	2023	32	1	849-854
New Strongly Homeomorphism in Intuitionistic Topological Spaces	Industrial Engineering Journal (UGC Care Journal) ISSN : 0970-2555	2023	52	7	78-83
Connectedness and Compactness via $Ii$ -open Sets	European Chemical Bulletin (Scopus) ISSN : 2063-5346	2023	12	10	1967-1972
New Separation Axioms in Intuitionistic Topological Spaces	Journal of Namibian Studies (Scopus) ISSN : 2197-5523	2023	35	35	124-135
Nano Ideal Generalised Closed Sets In Nano Ideal Topological Spaces	Turkish Journal of Computer and Mathematics Education (Scopus) ISSN : 3048-4855	2022	13	2	385-393
$I\alpha_g^\Delta$ -Closed Map and	Shodhasamhita: Journal	2022	8	11	31-37

$I\alpha_g^\Lambda$ -Homeomorphism in Intuitionistic Topological Spaces	of Fundamental and Comparative Research (UGC Care Journal) ISSN: 2277-7067				
Nano Ideal Generalised semi*-Continuous and Irresolute Functions in Nano Ideal Topological Spaces	Shodhasamhita: Journal of Fundamental and Comparative Research (UGC Care Journal) ISSN: 2277-7067	2022	8	11	23-30
A New Class of Open Sets In Nano Topological Spaces	International Journal of Innovative Science, Engineering & Technology(UGC Approved Journal) ISSN(O): 2348-7968	2021	8	2	260-275
$\alpha_{Ng}$ -Irresolute Function in Nano Topological Spaces	International Journal of Innovative Science, Engineering & Technology(UGC Approved Journal) ISSN(O): 2348-7968	2021	8	1	145-152
Nano Ideal Generalised semi*-Closed Sets In Nano Ideal Topological Spaces	Turkish Journal of Computer and Mathematics Education (Scopus) ISSN : 3048-4855	2020	11	3	2176-2184
Some New Type of Functions in Ideal Topological Spaces	DogoRangsang Research Journal, (UGC Care Group I Journal) ISSN: 2347-7180	2020	10	7	127-132
New Notions in Ideal Topological Spaces	Journal of Critical Reviews(Scopus) ISSN- 2394-5125	2020	7	3	1068-1075
A New Class of Nearly Open Sets In Nano Topological Spaces	International Journal of Advanced Science and Technology(Scopus) ISSN: 2005-4238	2020	29	9s	4784-4793
New Continuous Function in Nano Topological Spaces	International Journal of Advanced Science and Technology(Scopus) ISSN: 2005-4238	2020	29	9s	2781-2786
Some New Nearly Open Sets in Nano Topological Spaces	Purakala(UGC Approved Journal) ISSN:0971-2143	2020	31	60	107-114
Almost $S_g^*$ -continuous functions in Topological spaces	Mathematical Sciences International Research Journal(IMRF) ISSN: 2278-8697	2018	7	1	210-216



$\hat{g}^*$ s-locally closed sets in Topological spaces	Global Journal of Pure and Applied Mathematics. ISSN: 0973-1768	2017	13	5	42-50
Some new closed and open maps in Topological Spaces	International Journal of Scientific Engineering and Technology Research (IJSETR) ISSN: 2319-8885.	2015	4	6	1081-1086
$S_g^*$ -Compact and $S_g^*$ -Connected Spaces	International Journal of Modern Engineering and Research(IJMER)	2015	5	2	17-21
Slightly $S_g^*$ -continuous functions and Totally $S_g^*$ -continuous functions in Topological spaces	International Organization of Scientific Research- Journal of Mathematics(IOSR-JM) e-ISSN: 2278-5728.p-ISSN: 2319-765X.	2015	11	2(I)	27-30
$S_g^*$ -homeomorphism in topological spaces	Outreach(A Multi-Disciplinary Research Journal) ISSN(P): 0975-1246. ISSN(O): 2321-8835	2015	8		107-112
Properties of $S_g^*$ -functions in topological spaces	Mathematical Sciences International Research Journal(IMRF) ISSN: 2278-8697	2014	3	2	911-915
Some new functions in topological spaces	Outreach(A Multi-disciplinary research Journal) ISSN(P): 0975-1246. ISSN(O): 2321-8835	2014	7		161-168
A new notion of open sets in topological spaces	International Journal of Mathematical Archives(IJMA)	2012	3	11	3990-3996

### Programmes Organised

- \* A special Lecture on “Geodetic Concepts in Graphs” on 18.10.2022
- \* Workshop on “Intellectual Property Rights(IPRs) and IP Management for Start-up” on 29.08.2022

- \* National Webinar on "Problem Solving and Ideation Creation" on 16.2.2022.
- \* National Webinar on "Spectrum of Medical Analytics" on 06.12.2021.
- \* Lecture on "Recent Trends in Digital Topology" on 23.09.2021.
- \* Cognizance on Second Wave of Covid-19 & Distribution of Masks in Tharuvaikulam on 24.04.2021
- \* Webinar on "COVID-19" On 20.04.2021.
- \* Hands on Training on "Empowering Rural Women with Holistic Entrepreneurial Skills" in Korampallam Panchayat from 25.12.2020 to 28.01.2021
- \* Hands on Training on "Empowering Rural Women with Holistic Entrepreneurial Skills" in Korampallam Panchayat from 22.02.2021 to 05.03.2021
- \* Two weeks free training programme on the topic "Entrepreneurship Training on Palm leaf for Rural Women" in Korampallam from 10.02.2020 to 21.02.2020

#### **Ph.D. Guideship**

Recognized *Research Guide* of Manonmaniam Sundaranar University, Tirunelveli

#### **Scholars Awarded Ph.D.**

<b>Reg. No.</b>	<b>Scholar Name</b>	<b>Date of Viva Voce</b>	<b>Title</b>
19212212092006	K. Heartlin	03.10.2024	Certain Investigations on a New Class of Closed Sets in Intuitionistic Topological Spaces
19222212092015	P. Suganya	16.10.2024	Some Characterizations of New Class of Open Sets in Intuitionistic Topological Spaces

#### **Awards**

- Received *Certificate of Recognition* for the dedicated work in the Fourth Cycle of NAAC Re-accreditation process and securing 'A+' for the Institution in May 2019 as an IQAC Member.
- Received *Appreciation* for Research guidance from Marian Research Forum.
- Received *Appreciation* for Research Publications in Scopus for the year 2020 from Marian Research Forum.

- Received *Appreciation* for Research Publications in UGC Care Listed Journal for the year 2021 from Marian Research Forum.

### Previous Teaching Experience in St. Mary's College

- 19.06.2015-21.11.2017(FDP)
- 12.07.2010-20.04.2012(SSC)

### As Resource Person

Name of the Institution	Invited as	Topic/Event	Date
G.Venkataswamy Naidu College, Kovilpatti	Resource Person	DBT Sponsored Students' Enrichment Programme on "Vedic Mathematics"	04.11.2022
St. Ignatius College of Education, Palayamkottai	Resource Person	Students' Enrichment Programme on "Tips and Tricks for Teaching Mathematics"	01.09.2022
Efficient Learning of Linguistic Skills and Mathematical Fundamentals to Rural Children at Vadakku Kalangarai Village of Korampallam Panchayat	Resource Person	1. Mathematics through Visual Aids 2. Mathematical Concepts through Action Songs	08.03.2022
District Institute of Education and Training (DIET), Thoothukudi	Resource Person	One day training program for PG teachers on "Higher Order Thinking"	20.09.2017
District Institute of Education and Training (DIET), Thoothukudi	Subject Expert	Planning Meeting of Mentors (Training to PG teachers)	05.09.2017

### Examiner

- Appointed as an External Examiner for April 2024 Semester Field Work/Internship Viva Voce for II year B.Sc. Mathematics students on 29.09.2024 in Sadakathullah Appa College(Autonomous), Tirunelveli

### Question Paper Setter

Name of the Institution	Class	Subject	Period
Sadakathullah Appa College(Autonomous), Tirunelveli	B.Sc. Mathematics	Complex Analysis	April 2023 Semester Examinations

Sadakathullah Appa College(Autonomous), Tirunelveli	B.Sc. Mathematics	Linear Algebra	Nov 2022 Semester Examinations
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**Responsibilities held in St. Mary's College**

- Member of **Research Advisory Committee** (2017-2018, 2021-till date)
- Member of **Career Guidance and Placement Cell** (2019- till date)
- Member of **Entrepreneurship Cell** (2022-till date)
- Member of **Institution's Innovation Council** (2020-till date)
- Member of **Examination Cell** (2021-2022)
- Member of **IQAC** (2016-2019)
- Member of **Library Committee** (2016-2017)
- Involved in **Community Development Programme(CDP)** (2016-2021, 2022-till date)
- Involved in **Unnat Bharat Abhiyan(UBA) Programme** (2018- 2021,2022-till date)
- Member of **General Discipline Committee** (2016-2017 & 2019-2021)
- Treasurer of **Alumnae Association** (2018-2019)