

Profile

PERSONAL INFORMATION:

Name : Dr. A. ARIVUCHELVAM
Designation : Associate Professor
Department : PG and Research Department of Mathematics
E-Mail ID : arivumtnc@gmail.com
Contact No. 9894446217
Date of Birth : 20.10.1978
Date of Appointment: 23.08.2007
Gender : Female
Address : 5/582 Nakkeerar Street, Sadha Siva Nagar, Anna Nagar, Madurai, Tamilnadu.



Academic Qualifications:

Doctoral Research Ph.D

- **University:** Madurai Kamaraj University, Madurai, India
- **Title:** Studies on New Bitopological Sets, Functions and Spaces
- **Year:** 2017

Master of Philosophy

- **University:** M.T.N College, Madurai / MKU
- **Year:** 2003

Post Graduation

- **University:** N.M.S. Sermathai Vasan College For Women, Madurai / MKU
- **Degree:** Master of Science in Mathematics
- **Year:** 2002

Under Graduation

- **University:** N.M.S. Sermathai Vasan College For Women, Madurai / MKU
- **Degree:** Bachelor of Science in Mathematics
- **Year:** 2000

TEACHING EXPERIENCE:

Work Experience:

- 2005-2007 Worked as an Assistant Professor in Mannar Thirumalai Naicker College (SSC), Madurai
- From 2007 - Working as an Assistant Professor in the Regular Stream in Mannar Thirumalai Naicker College, Madurai.

Orientation / Refresher Course Attended (other than MTNC):

- Participated in an orientation programme at Madurai Kamaraj University on August 2010
- Attended a refresher course entitled “Recent Trends in Advanced Mathematics” at Madurai Kamaraj University on February 2013
- Attended a refresher course entitled “Advances in Analysis, Algebra and Differential” at Madurai Kamaraj University on December 2015
- Attended a refresher course entitled “Mathematics and Statistics” at Bharathiar University, on 08-09-2021 to 21-09-2021
- Attended a refresher course entitled “Mathematics and Statistics” at Sardar Patel University, on 14-11-2022 to 27-11-2022.

Publications (*List of papers published, in year wise descending order*):

S. No.	Title of the paper	Name of the Authors	Name of Journal	Month & Year	ISSN	Volume & Issue	Impact factor	Indexed in Scopus, Web of Science, Pub med / approved by UGC / UGC CARE List
1	Contra g^* -Continuity and Separation Axioms	Dr. A. Arivu Chelvam	International Journal of Current Research in Science & Technology	2015	2321-5745	Volume 1, Issue 4, Pg.No:25-31		UGC
2	A Study New Types of functions $(1,2)*g'''$ -Closed Sets on Bitopological spaces	Dr. A. Arivu Chelvam	Shanlax International Journals of Arts, Science and Humanities	2017	2321-788	Volume 4, Spl Iss1	1.5496	UGC

3	(1,2)*- g- interior and (1,2)*- g closure in Bitopological Spaces	Dr. A. Arivu Chelvam	International Journal for Research in Engineering Application and Management	May 2018	2454-9150	Vol. 4 Issue 2	5.834	UGC
4	Decompositions of (1, 2)*- g''' Continuity in Bitopological Space	Dr. A. Arivu Chelvam	International Journal for Research in Engineering Application and Management	May 2018	2454-9150	Vol. 4 Issue 2	5.834	UGC
5	On (1,2)*- g'''- Regular Space In Bitopological Spaces	Dr. A. Arivu Chelvam	International Journal of Scientific Research and Review	June 2018	2454-9150	Vol. 7 Issue	6.946	UGC
6	On the classes of (1,2)*-open sets in Bitopological space	Dr. A. Arivu Chelvam	International Journal of Mathematics Trends and Technology	Feb 2020	2231-5371	Vol. 66 Issue	0.764	UGC CARE LIST
7	Compactness Via Ideal in Bitopological Spaces	Dr. A. Arivu Chelvam	Gorteria Journal	Aug 2021	0017-2294	Volume 34, Issue 8	5.3	UGC CARE LIST

8	Γ – Open sets in Tri Topological Spaces	Dr. A. Arivu Chelvam	Indian Journal of Natural Sciences	April 2022	0976 – 0997	Vol. 13, Issue 71	-	UGC CARE LIST & WEB OF SCIENCE JOURNALS
9	On $(1,2)^*$ - $\alpha\omega$ -irresolute Maps in Bitopological Spaces	Dr. A. Arivu Chelvam	Indian Journal of Natural Sciences	August 2022	0976 – 0997	Volume 13, Issue 73	2.452	Web of Science
10	On $(1,2)^*$ - RPS Connected in Bitopological Spaces	Dr. A. Arivu Chelvam	Indian Journal of Natural Sciences	December 2022	0976 – 0997	Volume 13, Issue 75	2.452	Web of Science
11	On $(1,2)^*$ - \tilde{g} Closed Sets in Intuitionistic Fuzzy Bitopological Space	Dr. A. Arivu Chelvam	Indian Journal of Natural Sciences	February 2023	0976 – 0997	Volume13, Issue 76	2.452	Web of Science
12	Properties of $(1,2)^*$ - G^* Closed Sets in Bitopological Spaces	Dr. A. Arivu Chelvam	Indian Journal of Natural Sciences	February 2023	0976 – 0997	Volume 13, Issue 76	2.452	Web of Science
13	Estimating Crops Yield Using Intuitionistic Fuzzy Topology	Dr. A. Arivu Chelvam	Pramana Research Journal	March 2023	2249-2976	Volume 13, Issue 3	6.2	UGC Approved list
14	Properties of $(1,2)^*$ - G^* Closed Sets in tri topological Spaces	Dr. A. Arivu Chelvam	GIS Science	October 2023	1869-9391	Volume 10, Issue 10	1.433	Scopus

15	On β -Open and β -Closed Sets in Fuzzy Bitopological Spaces	Dr. A. Arivu Chelvam	YMER	December 2023	0044-0477	Volume 22, Issue 12	5.7	Scopus
----	---	----------------------	------	---------------	-----------	---------------------	-----	--------

Research Articles Published in Proceedings:

S. No.	Name of the Author/Authors	Title of the Article	Title of the Conference/Seminar	International / National / State level	ISBN Number	dt/mm/yr
1	Dr. A. Arivu Chelvam	Women empowerment - Milestones and challenges	Women empowerment	National	—	08.10.2015
2	Dr. A. Arivu Chelvam	$(1,2^*)$ - g''' -Homeomorphism and Separation Axioms	Present scenario in group theory	National	978-93-85977-68-8	16.12.2016
3	Dr. A. Arivu Chelvam	A study On New $(1,2)^*$ - g''' - locally closed sets	TNSCST Sponsored two day international conference on applications of mathematics in science and technology	International	—	26.07.2019
4	Dr. A. Arivu Chelvam	$b\mathfrak{J}$ -open Set and Closed Set in Tri topological Space	International Conference on Mathematical Analysis in Computational Biology and Data Science	International	978-81-960660-4-8	24.01.2023 & 25.01.2023

Paper presented in Conference/Seminar:

S. No.	Title of the Paper	International / National / State level	Title of the Conference	Institution/College Name	dt/mm/yr
1	A Study on Contra g^* - Continuous maps	National level	National Conference on Applicable Mathematics and Mathematical Methods	Sivakasi Nadars Pioneer Meenakshi Women's College, Poovanthi, Madurai	28.12.2013
2	A study on $(1,2^*)$ - g''' - Homeomorphism	National level	Modern Trends in Applications of Mathematics	Sourashtra Arts College, Madurai	28.02.2013
3	Women Empowerment	National level	Women empowerment-Milestones and challenges	S.Vellaichamy Nadar College	8 th oct 2015
4	A study On New $(1,2)^*$ - g''' - locally closed sets	International level	TNSCST Sponsored two day international conference on applications of mathematics in science and technology	AAA College of engineering and Technology	25 & 26 july 2019
5	Generalized b – Closed sets in Ideal Tritopological Spaces	International level	International Conference on Exploration of Comtemporany Mathematical Sciences -2022	MTNC	17.03.2022 & 18.03.2022
6	On $(1,2)^*$ - $\alpha\omega$ Continuous Maps in Bitopological Spaces	International level	International Conference on Exploration of Comtemporany Mathematical Sciences -2022	MTNC	17.03.2022 & 18.03.2022
7	Application of Nano Topology in Micro Factors for Mucormycosis (Black Fungus)	National level	National Conference on Present Scenerio in Mathematical Research	MTNC	22.04. 2022

8	Properties of $(1,2)^*$ - G^* - Closed sets in Bitopological Sapces	National level	National Conference on Present Scenerio in Mathematical Research	MTNC	22.04. 2022
9	On $(1,2)^*$ - $\alpha\omega$ Irresolute Maps in Bitopological Spaces	International level	International Conference on Analysis and Applied Mathematics	ANJAC College	26.04.2022 – 28.04.2022
10	Estimating Crops Yield Using Intuitionistic Fuzzy Topology	National level	National Conference on Current Trends in Applied Mathematics & IPR-2022	MTNC	07.10.2022
11	Fuzzy Generalized Semi Preregular Closed Sets in Fuzzy Bitopological Spaces	International level	International Conference on Interdisciplinary Approaches in Mathematics and Physical Sciences	Shrimati Indira Gandhi College	20.09.2023

Detail of Project :

S. No.	Project Title	Name of Applicant(s)	Status	Amount	Agency	Year
1	A study On New $(1,2)^*$ - g''' interior and $(1,2)^*$ - g''' closure in Bitopological spaces	Dr. A. Arivuchelvam	Submitted	3,00,000	UGC	Aug 2015
2	A Study on Decompositions of $(1, 2)^*$ - g''' Continuity in Bitopological Space	Dr. A. Arivuchelvam	Submitted	550000.00	NBHM	Aug 2017

3	Application of Nano Topology in finding main factors for Mucormycosis (Black fungus)	Dr. A. Arivuchelvam	Approved	10,000	Institutional Sponsored Research Project	Oct 2021
4	Estimating Crops Yield Using Intuitionistic Fuzzy Topology	Dr. A. Arivuchelvam	Approved	12,500	Institutional Sponsored Research Project	Sep 2022

FDP/ Workshop Attended (other than MTNC):

S. No.	International/National Level	Title of the FDP/ Workshop	Name of the Institution/University	dt/mm/yy
1	State Level	Basics of Recent Trends in Mathematics	H.H. The Rajahs College	21.03.2019
2	State Level	Modern Trends in Applications of Mathematics	Arul Anandar College	25.02.2014
3	International Level	Research Process Engineering effective and for Quantitative Research	G. T. N Arts College	28.02.2017
4	State Level	Opportunities and Challenges in the Emerging Spaces of Higher Education	Sri Meenakshi Government College for Womeen	04.09.2019
5	National Level	Webinar on Online Teaching and Learning	G. T. N Arts College	09.05.2020
6	National Level	Webinar on Qualitative Analysis of Differential Equations and its Applications	G. T. N Arts College	27.05.2020
7	National Level	Three Days National Level Online Course on Operation Research	VHN Senthilkumar Nadar College	18.05.2020 to 20.05.2020

8	National Level	Mathematics E-Quiz	Sengunthar Arts and Science College	25.05.2020
9	National Level	Key issues in Research Methodology	G. T. N Arts College	03.06.2020
10	National Level	Online Awareness Quiz on Covid-19	PSNA College of Engineering and Technology	01.06.2020 to 03.06.2020
11	International Level	Three Days International Webinar on Graph Theory and Human Factors in Aviation	G. Venkataswamy Naidu College	03.06.2020 to 05.06.2020
12	National Level	Three Day Online FDP on Recent Advances in Graph Theory	St. Josephs College of Engineering	28.05.2020 to 30.05.2020
13	National Level	Online Faculty Development Programme - Challenges for college teachers in the new educational scenario	Marry Matha College of Arts & Science	06.06.2020
14	National Level	Online Training on Mathematical Skills for Competitive Exams	Raja Doraisingam Government Arts College, Sivagangai	25.05.2020 to 31.05.2020
15	National Level	Online FDP on Introduction to fuzzy sets and its Generalization	Mepco Schlenk engineering College, Sivakasi	10.06.2020
16	National Level	E-Quiz on Mathematics	Rohini College of Engineering & Technology	03.06.2020
17	National Level	Webinar on Fuzzy logic and its Applications	Rohini College of Engineering & Technology	12.06.2020
18	National Level	One day webinar on Residue Theory and its Applications	G. Venkataswamy Naidu College, Kovilpatti	12.06.2020
19	International Level	Webinar on fourth state of matter and its Applications	G. Venkataswamy Naidu College, Kovilpatti	15.06.2020

20	National Level	Webinar on Polynomials associated with Graph	Tirunelveli Dakshina Maranadarsangam College	15.06.2020
21	National Level	E-Quiz on Astropics	Madonna Arts & Science College for Women, Madurai	15.06.2020
22	National Level	Webinar on Graph embedding	Don Bosco College of Arts and science	16.06.2020
23	National Level	E Quiz on Pure Mathematics	Vel Tech High Tech	16.06.2020
24	National Level	E Quiz on Investment Management	Saraswathi Narayanan College	17.06.2020
25	National Level	Webinar on edge colouring in Graphs	Pope's college (Autonomous), Sawyerpuram	18.06.2020
26	National Level	National Webinar on Mathematical Analysis And Topology	G. Venkataswamy Naidu College, Kovilpatti	20.06.2020
27	National Level	A Three Days National Level Webinaron Recent Trends in Graph Theory	Government Arts College, Paramakudi	22.06.2020- 24.06.2020
28	National Level	Online Quiz on Basic linear Algebra	VHN Senthilkumara Nadar College	02.07.2020
29	International Level	International e-Quiz on Global Mathematicians	Forum De Mathematicians, Tamilnadu, india	03.07.2020
30	National Level	Online test on Quantitative Aptitudefor Placements and Competitive Examinations	Yadava College, Madurai	04.07.2020
31	National Level	Online NSS - Quiz (2020)	Umamaheswaranar Karanthai Arts College, Thanjavur	05.07.2020
32	National Level	National E Quiz on Genius of Mathematics	Mangayarkarasi College of Arts and Science For Women	08.07.2020
33	National Level	Online Quizophile 2020 Competition	EGS Pillay Group of Institutions, Nagapattinam	09.07.2020

34	National Level	Webinar on Soft Competing By Soft Sets	Don Bosco College of Arts and Science	10.07.2020
35	International Level	Recent Trends in Theoretical and Computational Mathematics (Virtual Mode)	PSGR Krishnammal College	24.02.2022 & 25.02.2022
36	National Level	Workshop on “NIRF Indian Ranking - 2023”	Madurai Kamaraj University	30.12.2022
37	National Level	Workshop on “NIRF Indian Ranking - 2024”	Madurai Kamaraj University	9.10.2023

Workshop/Conference/FDP Attended in MTNC:

S. No.	International/National/ State Level	Title of the FDP/ Workshop / conference	Name of the Institution/University	dt/mm/yy
1	State Level	Recent Trends in Mathematical Models	MTNC	Aug 2014
2	International Level	Advances in Stochastic Modeling	MTNC	8.01.2013 to 10.01.2013
3	National Level	Recent Trends in Applied Mathematics	MTNC	14 .08.2015
4	National Level	Two days workshop on Preparation for UGC CSIR NET Examination in Mathematics	MTNC	22.09.2017 & 23.09.2017

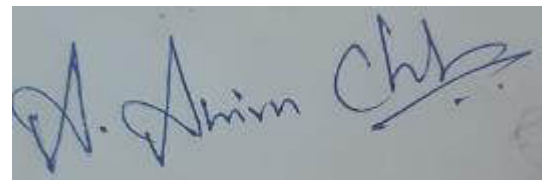
5	National Level	A One day faculty development programme	MTNC	4 .03.2017
6	National Level	Faculty development programme on Online Teaching, Learning and Assessment, Using Moodle, MOOC Platform, Open Educational Resource and EDUCATION Technology Tools	MTNC	23.10.2017 & 24.10.2017
7	National Level	Faculty development programme on e-Content Development and Digital Tools	MTNC	2.03.2018 & 3.03.2018
8	National Level	Workshop on Technicalities of Writing Research Proposal	MTNC	29.06.2018
9	National Level	Faculty development programme on Intellectual Property Rights, Skills Development Programme, Innovations, Patents and setting up incubation centers	MTNC	22 .01.2019
10	National Level	Faculty Development Programme on Promotion of API and CAS Filing	MTNC	2.03.2019
11	National Level	Faculty Development Programme on One who can do, Teachers, How to do? and what to do	MTNC	8 .03.2019
12	National Level	Faculty Development Programme on one day training and production workshop on prospects of outcome based curriculum	MTNC	9 .03.2019
13	National Level	Faculty Development Programme on one day capacity building programme on outcome based education	MTNC	28 .08.2019

14	National Level	One day workshop on Research writing and publication: Theory and Practice	MTNC	19.10. 2019
15	National Level	Applied Mathematics and IPR	MTNC	20 .12.2019
16	National Level	Faculty Development Programme on e-content development and digital tools usage	MTNC	29 .02.2020
17	National Level	Faculty Development Programme on Promotion of API Score and Career Advancement Scheme	MTNC	03.03.2020
18	National Level	Faculty Development Programme on 21 Century Skills	MTNC	05 .03.2020
19	National Level	Faculty Development Programme on Quality Assurance and Sustenance in Higher Education	MTNC	11.03.2020
20	National Level	Faculty Enrichment Programme	MTNC	13.05.2020 to 19.05.2020
21	National Level	E-Quiz on Soft Skills	MTNC	06.06.2020
22	National Level	Online Quiz on Organizational Behaviour	MTNC	13.06.2020
23	State Level	Recent Trends in Mathematical Modeling	MTNC	27.06.2020
24	International Level	Data Science in e-commerce	MTNC	23.07.2021
25	International level	International Conference on Exploration of Comtemporary Mathematical Sciences -2022	MTNC	17.03.2022 & 18.03.2022
26	National level	National Conference on Present Scenerio in Mathematical Research	MTNC	22.04. 2022
27	National Level	Faculty Enhancement Programme on Education 4.O for Sustainable Economic Development	MTNC	27.04.2022
28	National Level	Faculty Research Programme on Dynamics of Research Publications	MTNC	15.09.2022 & 16.09.2022

29	National Level	World Record of Date of Birth Magic Square for Srinivasa Ramanujan	MTNC	22.12.2022
30	National Level	National Science Day/ National Mathematics Day Celebration	MTNC	21.12.2022 & 22.12.2022
31	National Level	Faculty Enhancement Programme on Insights of National Educational Policy (NEP 2020)	MTNC	18.03.2023

Awards/Prize/Certificate/Fell

S.No.	Year	Name of the Faculty	Name of the Award/P/C/F	Date of awarding	Name of the Organization
1	2020-2021	Dr.A.Arivu Chelvam	Orange World Record Best Teacher Award	05.09.2020	Orange World Record, Malaysia



Signature of the Faculty
(Affix Scanned copy of Signature)

