


FACULTY PROFILE

DEPARTMENT OF MATHEMATICS

I. PERSONAL DETAILS

Name	Dr.(Mrs).G.Alarmelu Mangai	
Designation	Assistant Professor	
Qualification	M.Sc., M.Phil., Ph.D., HDCA.,	
Area of Specialization	Graph Theory	
Mobile No.	9442102195	
e-Mail ID	Institutional:g.alarmelumangai-mat@emgywomenscollege.ac.in	
	Personal:alarmelu2020@gmail.com	

II. EDUCATIONAL QUALIFICATION

S.NO	NAME OF THE DEGREE/DIPLOMA	NAME OF THE INSTITUTION/UNIVERSITY	YEAR OF PASSING
1	B.Sc	E.M.G.YADAVA WOMEN'S COLLEGE, MADURAI/MKU	1997
2	M.Sc	E.M.G.YADAVA WOMEN'S COLLEGE, MADURAI/MKU	1999
3.	M.Phil	MADURAI KAMARAJAR UNIVERSITY, MADURAI	2001
4	HDCA	CSC- COMPUTER EDUCATION ,MADURAI	2007
5	Ph.D	MADURAI KAMARAJAR UNIVERSITY, MADURAI	2017

III. RESEARCH ACCOMPLISHMENTS

ORIENTATION/REFRESHER/MOOCs/FDP/ TRAINING PROGRAMMES ATTENDED			
S.NO	DATE	NAME OF THE COURSE/PROGRAMME	NAME OF THE INSTITUTION/UNIVERSITY
1	25.01.2021 to 27.01.2021	Online Faculty Development Programme on Digttools for Enhancing Teaching and Learning	IQAC- Teaching Learning Cell of E.M.G.Yadava Women's College
2	22.03.2021 to 28.03.2021	Online Faculty Development Programme on Aspects of Mathematics	Dwaraka Doss Goverdhan Doss Vaishnav College, Chennai.
3	12.07.2021	Online Faculty Development Programme on Publishing in Top – Tier Journals	Sri Krishna College of Technology

NATIONAL/INTERNATIONAL SEMINAR, WEBINAR, WORKSHOP, CONFERENCE & SYMPOSIUM ATTENDED				
S.NO	DATE	TITLE	EVENT NAME	INSTITUTION NAME
1.	30.01.2009 & 31.01.2009	State level seminar on Fuzzy Algebra,Fuzzy topololgy and Fuzzy Graphs.	Seminar	Sri.S.Ramasamy Naidu memorial college, sattur.
2	29.12.2009 To 11.01.2010	Instructional workshop on Graph Theory.	Workshop	Annamalai University, Chithamparam.
3	20.01.2011 & 21.01.2011	National seminar on Recent developments in pure and applied mathematics.	National Seminar	The standard fireworks Rajaratnam college for Women,Sivakasi.
4	22.12.2011	National symposium on Mathematical methods and Applications.	National Symposium	Indian Institute of Technology Madras.
5	09.01.2012 To 11.01.2012	National conference on Theoretical computer science and Discrete mathematics.	National conference	Kalasalingam University, krishnankoil.

6	09.03.2012 & 10.03.2012	International conference on Mathematics in Engineering and Business Management.	International Conference	Stella Maris college and Loyola institute of Business administration, Chennai.
7	15.02.2013 & 16.02.2013	IV national Conference on Emerging Trends in graph theory.	National conference	Christ University, Bangalore.
8	27.01.2014 To 01.02.2014	Instructional workshop on Domination in Graphs.	Workshop	Kalasalingam University, krishnankoil.
9	27.03.2014	International Conference on Applicaion of Mathematics in Modern Technology.	International Conference.	Queen Mary's College, Chennai.
10	13.12.2018	International Conference on Enhanced Perception in Pure and Applied Mathematics.	International Conference.	Madurai Sivakasi Nadar Pioneer Meenakshi Women's, College.
11	17.05.2020	Webinar on Modern Teaching Techniques.	Webinar	Dr. Zakir Husain College, Ilayangudi.
12	21.05.2020	Webinar on Qualitative Analysis of Differential Equations and its Application.	Webinar	G.T.N. Arts College, Dindigul.
13	10.02.2021 & 11.02.2021	New Education Policy: The Urge for Transformation in Higher Education.	National Seminar	IQAC – E.M.G Yadava Women's College, Madurai-14.
14	17.03.2021	Emerging Trends in Algebra	Webinar	Jayaraj Annapackiam College for Women(Autonomous), Periyakulam.
15	20.05.2020 To 26.05.2020	Evolve – Webinar Series	Webinar	J.N.N Arts & Science Women's College, Triruvallur

NATIONAL/INTERNATIONAL SEMINAR, WEBINAR,WORKSHOP, CONFERENCE & SYMPOSIUM ORGANISED

S.NO.	DATE	TITLE	EVENT NAME
1	14.12.2012 To 15.12.2012	Recent Trends in Labeling & Domination in Graphs	National Conference
2	21.10.2013 To 22.10.2013	Interactive Group Discussion on Domination Theory	Group Discussion

ARTICLES PUBLISHED IN JOURNALS / MAGAZINES

S.NO	TITLE WITH (DOI)	NAME OF THE JOURNAL/MAGAZINE	NATIONAL/INTERNATIONAL	IMPACT FACTOR	SCOPUS	CITATION INDEX	h-index	VOLUME, ISSUE, MONTH & YEAR
1	A note on non split locating equitable domination.	International Journal of Data Mining Techniques and Applications.	International	3.151				Volume:01, Issue:02 December 2012.
2	Locating equitable domination in subdivision graphs.	International Journal of Mathematical Sciences and Engineering Application.	International	1.318				Volume:8 March 2014
3	Bounds on locating equitable domination number of graphs.	International Journal of Mathematical Archive.	International	4.091				Volume 5(6),2014
4	Locating equitable domination and independence subdivision numbers of graphs	Bulletin of Mathematical Sciences and Applications.	International	4.313				Volume 3 No.3 (2014)

RESEARCH SUPERVISOR				
S.NO	NAME OF THE RESEARCH	RESEARCH TITLE/ AREA OF SPECILIZATION	NO. OFSCHOLARS	
			ONGOING	COMPLETED
1	Ph.D			Nil
2	M.Phil			1

PUBLICATION OF BOOK/ BOOK CHAPTERS / MONOGRAPH / PAPERS PUBLISHED IN CONFERENCE/ PROCEEDINGS						
S.NO	TITLE OF THE BOOK/ CHAPTERS/ PROCEEDINGS	TITLE OF THE PAPER	NATIONAL/ INTERNATIONAL	PUBLISHER DETAILS	ISBN/ISSN OF THE PROCEEDINGS	YEAR
1	Proceedings of National seminar on Recent Developments in Pure and Applied Mathematics.	Generalized 2-Complement and locating equitable domination.	National	S.F.R.College for Women, Sivakasi	ISBN:978-93-80368-13-9	2011
2	Proceedings of the International conference on Mathematics in Engineering & Business Management.	Non split locating equitable domination.	International	Stella Maris College,Chennai.	Volume -1 ISBN:978-81-8286-015-5.	2012
3	Basic concepts of Algebra and Analysis			Veda Publication	ISBN: 978- 81-933612-3-8	2021

LEADERSHIP/TEAM WORKING SKILLS			
S.NO	CELL/CLUB/COMMITTEE/ASSOCIATION	POSITIONS HELD (NODAL, COORDINATOR/ASSISTANT COORDINATOR / MEMBER)	DURATION MONTH/YEAR
1	Magazine Committee	Member	2009 - 2011
2	Alumnae Association	Member	2011- 2013
3	Students Service Officer	Member	2014 - 2016
4	Grievence Redressal Cell	Member	2015 - 2016
5	Academic Audit Committee (Internal)	Member	2016 - 2019
6	Parent Teacher Association	Member	2018 to till date
7	Calendar Committee	Member	2020 to till date

IV. INNOVATIVE TEACHING SKILLS

ICT ENABLED TEACHING METHODS

S.NO	
1	Online Teaching Method – Google Meet
2	PPT Method
3	Google Class Room

e- CONTENT DEVELOPED

S.NO	DATE	TITLE	SOCIAL NETWORK (YouTube, Slideshare, Blog, MOOCs, Others)	LINK
1	20/10/2021	Modern Analysis	Slideshare	https://drive.google.com/file/d/1rw-vauq6HE51IVE5EFjN0qL9CkI083C1/view?usp=sharing
2	26//10/2021	Modern Analysis	Slideshare	https://drive.google.com/file/d/1tnz_FvaTtcWmNts73NiQ7pIn3NmXt9Oa/view?usp=sharing
3	20/10/2021	Topology	Slideshare	https://drive.google.com/file/d/1LAa28yi4WTnzEdtrTPP8QHEIH4a4t3s9/view?usp=sharing
4	20/10/2021	Topology	Slideshare	https://drive.google.com/file/d/1FcYCVqfzx1k54WoIo8EIVN_mej2IToLY/view?usp=sharing
5	21/10/2021	Topology	Slideshare	https://drive.google.com/file/d/1LAa28yi4WTnzEdtrTPP8QHEIH4a4t3s9/view?usp=sharing

COLLABORATIVE ACTIVITIES IN OTHER INSTITUTION – EXTENSION/ CONSULTANCY

S.NO	DATE	TITLE	NAME OF THE INSTITUTE/CORPORATE/ ADOPTED VILLAGE
1	30. 09. 2021	Faculty Exchange Programme – How to Crack SET/ CSIR-NET in Mathemaics	Sri Kaliswari College, Sivakasi

V. COMPUTER SKILLS

COMPUTER LANGUAGE/TECHNICAL SKILLS

S.NO	
1	Know to type English word document in computer

VI. LANGUAGE PROFICIENCY

S.NO	LANGUAGE	SPEAK	READ	WRITE
1	Tamil	Tamil	Tamil	Tamil
2	English	English	English	English

VII. OTHER SKILLS

S.NO	SKILLS
1	Drawing, Rangoli, Cooking, Reading, Writing