



RESUME

I General Information

Name : Dr.(Tmty.)M.Uma Maheswari, M.Sc., M.Phil.,Ph.D.,
Father's Name : P.Mariappan
Age & Date of Birth : 35 years, 24.04.1984
Designation : Assistant Professor
Department : Mathematics
Mobile No : 9443530468
Email ID : umathiru84@gmail.com
Services in other colleges : 8 years
Date of Appointment : 15.07.2019

II Educational Qualification

Examination Passed	Board/University	Subject	Year of Passing	Class
SSLC	Board of Secondary Education	-----	1999	88.2
PUC/Higher Secondary	Board of Higher Secondary Education	Bio-Maths	2001	70.8
Bachelor's Degree.	Madurai Kamaraj University	Mathematics	2004	I
Master's Degree	Madurai Kamaraj University	Mathematics	2006	I
M.Phil.	Madurai Kamaraj University	Mathematics	2007	I
PhD	Madurai Kamaraj University	“ Iterative Solution of system of non-linear boundary value problems”	Awarded on 02.12.2013	Highly Commended

III Teaching Experience

: UG : 8 years

PG : 5 years

Field of Specialization

: Differential Equations

IV **Research Experience**

No. of articles published in Journals

International: 4

National: 1

No. of papers presented in Seminars / Conferences:

International: 1

National: 4

No. of articles published in Books / Conference Proceedings: 1

Articles Published

Sl.no	TITLE OF THE PAPER	NAME OF THE JOURNAL
1.	Analytical solution of non-linear enzyme reaction equations arising in mathematical chemistry	Journal of Mathematical Chemistry, 49 (2011) 1713-1726. (Springer)
2.	Analytical solution of non-linear reaction diffusion equations in an amperometric immobilized enzyme electrode	Physical Chemistry an Indian Journal, 6(4) (2011) 1-9.
3.	Non-linear boundary value problem in irreversible second-order homogeneous reaction	International Journal of Mathematical Archive, 3(5) (2012), 1-10.
4.	Analytical expressions of concentrations of substrate and hydroquinone in an amperometric glucose biosensor.	ISRN: Physical chemistry, (2013), Article ID 143870, 13.
5.	A Theoretical model of Ph-based potentiometric biosensors based on Immobilized enzyme membrane.	American Journal of Analytical Chemistry, 2016, 7, 363-377.
6.	Fuzzy Interval Valued Fusion Technique for Multi-Modal 3D Face Recognition	IEEE Xplore Digital Library. DOI: 10.1109/CCST.2016.7815709 Electronic ISSN: 2153-0742

Papers presented

Date	Seminar / Conference	Level	Title of the paper	Venue
27.09.2007- 29.09.2007	National Conference on “Discrete Mathematics and its Application” (Sponsored by AICTE, CSIR, DST and TCS)	National	An Application of Fuzzy Clustering in Mutual Funds.	Thiagarajar College of Engineering, Madurai, Tamil Nadu
29.03.2010- 30.03.2010	National Conference on “Mathematical, Theoretical and Computational Chemistry” (Sponsored by DST)	National	A Study on Fuzzy Clustering of some aspects on stock exchange.	Madura College, Madurai, Tamil Nadu
07.10.2010- 08.10.2010	National Conference on “Advances in Differential Equations and Applications” (Sponsored by NBHM)	National	Approximate analytical solution of non-linear enzyme reaction equations arising in Mathematical Biology.	Periyar university, Salem, Tamil Nadu
20.01.2011- 21.01.2011	National Conference on “Mathematical modeling and applications to mathematical, Physical and Chemical Sciences” (Sponsored by CSIR)	National	Analytical solution of non-linear reaction diffusion equations in an amperometric immobilized enzyme electrodes.	Madura College, Madurai, Tamil Nadu

24.10.16 - 27.10.16	IEEE-International Carnahan Conference on Security Technology (Sponsored by IEEE.AESS)	International	A Fuzzy Interval Valued fusion technique for multi-modal 3D Face recognition	Orlando, Florida, USA
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Articles published in Books / Conference Proceedings

Year	Book Title/ Conference	ISSN	Article Title
2016	IEEE-International Carnahan Conference on Security Technology (Sponsored by IEEE.AESS)	IEEE Xplore Digital Library. DOI: 10.1109/CCST.2016.7815709 Electronic ISSN: 2153-0742	Fuzzy Interval Valued Fusion Technique for Multi-Modal 3D Face Recognition

V Seminars/Conferences/Workshops attended

.No.	NAME OF THE SEMINAR/WORKSHOP ATTENDED	NAME OF THE SPONSORING AGENCY	DURATION	PLACE
1.	National conference on “Recent Advancements in Algebraic Graph Theory”	UGC	29.03.2007 - 31.03.2007	Saraswathy Narayanan College, Madurai, Tamil Nadu,
2.	National Conference on “Discrete Mathematics and its Application” Topic Presented: An Application of Fuzzy Clustering in Mutual Funds.	AICTE, CSIR, DST and TCS	27.09.2007 - 29.09.2007	Thiagarajar College of Engineering, Madurai, Tamil Nadu
3.	National level seminar on “Coding and Cryptography”		20.03.2008	Thassim Beevi Abdul Kader College for Women, Kilakarai, Tamil Nadu
4.	ISO “Awareness Programme”		16.08.2008	Syed Ammal

				Engineering College, Ramanathapuram
5.	ISTE Staff Chapter “Self Awareness Programme”		08.10.2009	Syed Ammal Engineering College, Ramanathapuram
6.	National Conference on “Mathematical, Theoretical and Computational Chemistry” Topic Presented: A Study on Fuzzy Clustering of some aspects on stock exchange.	DST	29.03.2010 - 30.03.2010	Madura College, Madurai, Tamil Nadu
7.	State Level Conference on “Teaching for Technocrats-T4T- ‘10”		21.08.2010	Latha Madhavan Engineering College, Madurai, Tamil Nadu,
8.	National Conference on “Advances in Differential Equations and Applications” Topic Presented: Approximate analytical solution of non-linear enzyme reaction equations arising in Mathematical Biology.	NBHM	07.10.2010 - 08.10.2010	Periyar university, Salem, Tamil Nadu
9.	Regional Seminar on “Philosophical and Mathematical Interventions on Artificial Intelligence”		07.01.2011	Madura College, Madurai, Tamil Nadu
10.	National Conference on “Mathematical modeling and applications to mathematical, Physical and Chemical Sciences” Topic Presented: Analytical solution of non-linear reaction diffusion equations in an amperometric immobilized	CSIR	20.01.2011 - 21.01.2011	Madura College, Madurai, Tamil Nadu

	enzyme electrodes.			
11.	National Workshop on “Analytical & Numerical Solutions of Non-linear Differential Equations” organized by the Department of mathematics		18.03.2011 - 19.03.2011	Amrita School of Engineering, Bengaluru,
12.	National Conference on “Recent developments on mathematics and its applications” organized by the Department of mathematics,	DST	09.01.2015	The Madura College, Madurai
13.	National Workshop on Recent advances in numerical solution of differential equations	TEQIP II	02.02.2015 - 04.02.2015	Thiagarajar College of Engineering, Madurai
14.	Faculty training programme on “Funded research project proposal and thesis writing”		20.10.2015	Sethu Institute of Technology, Kariapatti.
15.	One day Technical Seminar on Advanced Data Structures and Algorithms		20.08.16	Kamaraj College of Engineering & Technology
16.	IEEE-International Carnahan Conference on Security Technology	IEEE, AESS	24.10.16 - 27.10.16	Orlando, Florida, USA
17.	Hands-on Training programme on Research based Statistical and Analytical Tools	TEQIP-II ACM	05.01.17 - 07.01.17	Thiagarajar College of Engineering
18.	National Seminar on Application of Fuzzy Mathematics in Engineering Studies	TEQIP II	09.03.2017 - 10.03.2017	Thiagarajar College of Engineering, Madurai
19.	Faculty Development Program on Active Learning	INFOSYS	15.04.17	Kamaraj College of Engineering & Technology
20.	Workshop on Statistics, Random processes and Queueing Theory”		10.05.18 -	MEPCO SCHLENK Engineering College

			11.05.18	
21.	Workshop on Linear Algebra		27.06.18 - 28.06.18	RAMCO Institute of Technology

Workshops organized/Guest Lectures delivered

S. No.	Name of the Programme	Title	Date	Organizing Institution	Participated/ Presented/Coordinator
1.	Workshop	Quantitative Aptitude	21.05.18 to 23.05.18	Kamaraj College of Engineering & Technology	Coordinator
2.	Guest lecture	NBA Criteria 10 lecture for Polytechnic staff	02.01.18	Kamaraj College of Engineering & Technology	Invited Speaker
3.	Guest lecture	Introduction to Quantitative Aptitude	21.06.18	Kamaraj College of Engineering & Technology	Invited Speaker
4.	Guest Lecture	Engineering Mathematics for GATE	08.02.18	Kamaraj College of Engineering & Technology	Invited Speaker
5.	Workshop	Quantitative Aptitude” for Faculty members	04.05.18	Kamaraj College of Engineering & Technology	Coordinator
6.	Workshop	Basic Science and its applications	11.10.18 to 12.10.18	Kamaraj College of Engineering & Technology	Coordinator

VI Course attended (Refresher / Orientation / any other)

NAME OF THE COURSE	TOPIC	VENUE	DURATION
Induction programme(AICTE-ISTE)	Teaching Methodologies for Budding Faculty of Technical Institution	MEPCO SCHLENK Engineering College	14.05.18 - 19.05.18

Value Added Courses attended

S. No.	Name of the Course	Organized by
1.	Value Added Course on ID and 2D Signal Processing using MATLAB and GUI	Department of ECE , KCET

2.	NPTEL (National Programme on Technology Enhanced Learning) Certificate Course on “Outcome based pedagogic principles for effective teaching”	Ministry of HRD, Govt. of India
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Language Proficiency

S. No.	Name of the Course	Organized by
1.	Certificate course on Communicative English	Col’s Caliber, Coimbatore
2.	Business English Certification - B1 Level (BEC Vantage) - (Score: 159/200)	Cambridge English, Department of Cambridge University, United Kingdom.

Any other information

Membership in Professional bodies

S. No.	Professional Body/Society	Category/Grade of Membership	Membership No
1	ISTE	Lifetime	LM 104265

Other Academic/Research activities:

Ph.D Supervisor Recognition: Ref.no: 2870088
Anna University, Chennai

Reviewer in International Journals:

S. No.	Title of the Journal	Publisher	Role
1.	International Journal of Engineering Research and Technology	ESRSA	Reviewer
2.	American Journal of Analytical Chemistry (AJAC).	SCIRP-Scientific Research Publishing	Reviewer
3.	Expert Systems with Applications	ELSEVIER	Reviewer

Educational Tour/Visit

S. No.	Venue	Date	Role
1.	Kennedy Space Centre, NASA	24.10.2016	Foreign visitor (As a part of IEEE ICCST)

Travel Grant Received:

S. No	Purpose	Travel Grant Amount	Funding Agency	Date	Sponsor
1.	For attending IEEE International Carnahan Conference on “Security Technology” at Orlando,	Rs. 25,000	Centre for International Cooperation in Science (CICS),	20.2.2017	Promoted by Indian National Science Academy, New Delhi,

	Florida, USA (From 24.10.2016 to 27.10.2017)		Chennai-600025.		in Association with with Scientific Agencies and Departments)
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Other Technical Skills:

Microsoft Office Packages : DCA,Tally
Software Skills : MAPLE, Scilab, MATLAB, Mathematica.
Modern Teaching learning tools : Edmodo, Kahoot, Google Classroom