

**NAME** : DR. MATHAVI MANISEKAR (VRS)  
**POSITION** : ASSOCIATE PROFESSOR  
**FACULTY OF** : PHYSICS  
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**DATE OF BIRTH** : 04.06.1964



**LANGUAGES PROFICIENCY**

**READ** : TAMIL & ENGLISH

**WRITE** : TAMIL & ENGLISH

**SPEAK** : TAMIL & ENGLISH

**1. QUALIFICATION**

S. No.	DEGREE / DIPLOMA / CERTIFICATE	DISCIPLINE	NAME OF THE INSTITUTION	YEAR OF PASSING
1.	U.G.	PHYSICS	FATIMA COLLEGE, MADURAI	1984
2.	P.G.	PHYSICS	SEETHALAKSHMI RAMASWAMY COLLEGE, TRICHY	1986
3.	M.PHIL.	PHYSICS	MADURAI KAMARAJ UNIVERSITY, MADURAI	1994
4.	PH.D.	PHYSICS	MADURAI KAMARAJ UNIVERSITY, MADURAI	2017

**2. TEACHING EXPERIENCE**

S. No.	INSTITUTION	FROM – TO
1.	DEPARTMENT OF PHYSICS, FATIMA COLLEGE, MADURAI	1986 - 2021

**3. POSITION HELD IN FATIMA**

S. No.	NAME OF THE POSITION	DURATION
1.	QUIZ CLUB MEMBER	1992 - 1997
2.	CIA INCHARGE	1997 - 1999
3.	PROGRAMME COORDINATOR	2006 - 2008
4.	IQAC MEMBER	2009 - 2010
5.	IQAC (EXTENDED) MEMBER	2010 - 2012
6.	TIME TABLE INCHARGE	2009 - 2012
7.	CONTROLLER OF EXAMINATIONS	FROM JUNE 2015 TO JUNE 2019

#### 4. POSITION HELD OUTSIDE

S. No.	NAME OF THE INSTITUTION	NAME OF THE POSITION	DURATION
1.	VIVEKANANDA COLLEGE, MADURAI.	MEMBER, BOARD OF STUDIES	2002 - 2004
2.	SRI. MEENAKSHI GOVT. COLLEGE, MADURAI	MEMBER, BOARD OF STUDIES	2010 - 2012
3.	MADURA COLLEGE, MADURAI.	EXAMINER	2009 - 2012

#### 5. ORIENTATION/REFRESHER/TRAINING PROGRAMMES/FDP ATTENDED

S. No.	PROGRAMMES	THEME	ORGANIZED BY	DATE
1.	ORIENTATION PROGRAMME	TEACHING METHODOLOGY, COMMUNICATION SKILLS, ETC., FOR NEWLY APPOINTED TEACHERS	ACADEMIC STAFF COLLEGE, MKU	1989
2.	TRAINING PROGRAMME	SOLAR ENERGY THERMAL DEVICES	SCHOOL OF ENERGY, MKU & TEDA	1993
3.	REFRESHER COURSE	ELECTRONICS, MICROPROCESSOR AND COMPUTER INTERFACING	MADRAS UNIVERSITY (DEPT. OF NUCLEAR PHYSICS, AC COLLEGE, CHENNAI)	1995
4.	TRAINING PROGRAMME	ENTREPRENEURSHIP ORIENTATION	CED	1997
5.	REFRESHER COURSE	TECHNIQUES IN THE PHYSICS OF SOLIDS	SCHOOL OF PHYSICS, MKU	2000
6.	REFRESHER COURSE	RECENT ADVANCES IN CONDENSED MATTER PHYSICS	SCHOOL OF PHYSICS, MKU	2002
7.	FACULTY DEVELOPMENT PROGRAMME	WRITING PAPERS TO JOURNALS	JANSON'S SCHOOL OF BUSINESS, KARUMATHAMPATTI, COIMBATORE	AUG. 16 & 17, 2005

#### 6. NATIONAL/INTERNATIONAL SEMINAR, WORKSHOP, CONFERENCE & SYMPOSIUM

S. No.	PROGRAMMES	SPONSORED BY	ORGANIZED BY	DATE	PARTICIPATED / PRESENTED	TITLE OF THE PAPER
1.	WORKSHOP ON "QUESTION BANK IN PHYSICS"	UGC	FATIMA COLLEGE, MADURAI	1997	PARTICIPATED	-
2.	NATIONAL SEMINAR ON "LOW DIMENSIONAL SYSTEMS"	UGC	HOLY CROSS COLLEGE, NAGERCOIL	2004	PARTICIPATED	-
3.	NATIONAL CONFERENCE ON "MATERIAL CHARACTERISTICS AND PROPERTIES"	UGC	FATIMA COLLEGE, MADURAI	2005	PARTICIPATED	-
4.	INTERNATIONAL SEMINAR ON "NANOTECHNOLOGY"	-	DEPT. OF CHEMICAL ENGINEERING, CIT, COIMBATORE.	JUNE 23 - 25, 2006	PARTICIPATED	-
5.	WORKSHOP ON "PHYSICS EDUCATION IN THE 21 <sup>ST</sup> CENTURY"	-	TAMIL NADU STATE COUNCIL FOR HIGHER EDUCATION	OCT. 05 & 06, 2006	PARTICIPATED	-

S. No.	PROGRAMMES	SPONSORED BY	ORGANIZED BY	DATE	PARTICIPATED / PRESENTED	TITLE OF THE PAPER
6.	SECOND INDO-US LECTURE SERIES ON "DISCRETE MATHEMATICAL CHEMISTRY, BIOLOGY AND PHYSICS"	DST, INTERNATIONAL SOCIETY FOR MATHEMATICAL CHEMISTRY	MARY MATHA ARTS & SCIENCE COLLEGE, MANANTHAVADY, KERALA & NRRI, UNIVERSITY OF MINNESOTA DULUTH, USA	JUNE 20 - 25, 2007	PARTICIPATED	-
7.	THIRD INDO-US LECTURE SERIES ON "CHEMOINFORMATICS AND BIOINFORMATICS"	CSIR, DST & IMSC	BHARATHIDASAN UNIVERSITY, TRICHY & UNIVERSITY OF MINNESOTA DULUTH, USA	JAN. 07 - 10, 2008	PARTICIPATED	-
8.	INTERNATIONAL SEMINAR ON "MATHEMATICAL AND EXPERIMENTAL PHYSICS"	CSIR, DRDO, NCSTC & TNSCST	PSGR KRSHNAMMAL COLLEGE, COIMBATORE	DEC. 18 & 19, 2008	PRESENTED	A STUDY OF AMINO ACIDS THROUGH WEIGHTED AND MARKED GRAPHS
9.	INTERNATIONAL SEMINAR ON "NEW TRENDS IN APPLICATIONS OF MATHEMATICS"	CENTRA STATISTICS OFFICE (MOSPI), GOVT. OF INDIA	BHARATHA MATHA COLLEGE, THRIKKAKARA, KOCHI	JAN. 31- FEB. 02, 2011	PRESENTED	EXPLORATION OF CHEMICAL PROPERTIES THROUGH ENERGIES OF CHEMICAL GRAPHS
10.	NATIONAL SEMINAR ON RECENT TRENDS IN COLORING OF GRAPHS AND DIGRAPHS	UGC	SETHUPATHY GOVERNMENT ARTS COLLEGE, RAMANATHAPURAM	AUG. 24 & 25, 2012	PRESENTED	A STUDY OF MATRIX ENERGY IN THE FORMATION OF DIPEPTIDES THROUGH EDGE WEIGHTED CHEMICAL GRAPHS
11.	NATIONAL CONFERENCE ON RECENT DEVELOPMENTS IN APPLICATIONS OF GRAPH THEORY	-	RAJA DORAISINGAM GOVT. ARTS COLLEGE, SIVAGANGA	AUG. 02 & 03, 2013	PRESENTED	A STUDY OF CHEMICAL EQUATIONS THROUGH BOND AND ELECTRON MATRICES
12.	INTERNATIONAL CONFERENCE ON MATHEMATICAL CHEMISTRY.	-	FR.RACINE INTERNATIONAL MATHEMATICS CONGRESS, LOYOLA COLLEGE, CHENNAI	OCT. 03 - 05, 2013	PRESENTED	GRAPH SPECTRAL ANALYSIS OF AMINO ACIDS
13.	INTERNATIONAL CONFERENCE ON DISCRETE MATHEMATICS-2016 AND GRAPH THEORY	SERD/ ISRO/TEQIP-II	SIDDAGANGA INSTITUTE OF TECHNOLOGY, TUMKUR AND ACADEMY OF DISCRETE MATHEMATICS AND APPLICATIONS	JUNE 09 - 11, 2016	PRESENTED	REMOVAL OF DEGENERACY IN WIENER INDEX AND RELATIVE CHIRALITY INDEX OF AMINO ACIDS USING HYDROGEN INCLUDED CHEMICAL GRAPHS

## 7. ARTICLES PUBLISHED IN JOURNALS/BOOKS

S. No.	JOURNAL/BOOK NAME	TITLE OF THE ARTICLE	MONTH/ YEAR	VOL. No.	ISSUE No.	PAGE No.	ISBN/ ISSN	PUBLISHER
1.	MATHEMATICAL AND EXPERIMENTAL PHYSICS (BOOK)	A STUDY OF AMINO ACIDS THROUGH WEIGHTED AND MARKED GRAPHS	2010	-	-	7-13	978-81-8487-057-2	NAROSA, DELHI

2.	INTERNATIONAL JOURNAL OF MATHEMATICS AND SOFT COMPUTING	A STUDY OF MATRIX ENERGY DURING PEPTIDE FORMATION THROUGH CHEMICAL GRAPHS.	MAY 2013	03	02	11 - 15	2249-3328	SWEDHA PUBLICATION
3.	JOURNAL OF MODERN SCIENCE	A STUDY OF CHEMICAL REACTIONS THROUGH BOND- ELECTRON MATRICES	MAY 2014	06	01	43 – 51	2277-7628	TANSCHÉ
4.	JOURNAL OF BASIC AND APPLIED RESEARCH INTERNATIONAL	GRAPH SPECTRAL METHOD FOR FINDING THE CENTRE OF AMINO ACIDS	MAY 2015	8	3	184-189	2395-3438	INTERNATIONAL KNOWLEDGE PRESS
5.	INTERNATIONAL JOURNAL OF ENGINEERING TECHNOLOGY, MANAGEMENT AND APPLIED SCIENCES	A COMPARISON BETWEEN THE ADJACENCY MATRIX ENERGY AND DISSOCIATION ENERGY FOR AMINO ACIDS	AUG. 2015	3	8	28-31	2349-4476	IJETMAS, DELHI
6.	JOURNAL OF ADVANCES IN CHEMISTRY	REMOVAL OF DEGENERACY IN THE TOPOLOGICAL INDICES OF COSPECTRAL GRAPHS USING EDGE WEIGHTED MOLECULAR GRAPHS	FEB. 2017	13	7	6322-6326	2321-807X	CIRWORLD, PUNJAB, INDIA