

NAME : DR. G. DHEVA SHANTHA KUMARI (VRS)
POSITION : ASSOCIATE PROFESSOR
FACULTY OF : PHYSICS
EMAIL ID : dhevashantha@gmail.com
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.	UG	PHYSICS	MADURAI KAMARAJ UNIVERSITY	1984
2.	PG	PHYSICS	MADURAI KAMARAJ UNIVERSITY	1986
3.	B.ED.	EDUCATION	MADURAI KAMARAJ UNIVERSITY	1987
4.	M.ED.	EDUCATION	MADURAI KAMARAJ UNIVERSITY	1989
5.	PH.D.	MEDICAL PHYSICS	ANNA UNIVERSITY – CHENNAI	2009

2. TEACHING EXPERIENCE

S. No.	NAME OF THE INSTITUTION	FROM – TO
1.	FATIMA COLLEGE (AUTONOMOUS), MADURAI	27.07.1987 - 30.11.2021

3. POSITION HELD IN FATIMA

S. No.	NAME OF THE POSITION	DURATION
1.	ADULT EDUCATION COORDINATOR	1988 – 1990
2.	N.S.S. COORDINATOR	2002 – 2005
3.	PLACEMENT CELL COORDINATOR	2008 – 2009
4.	COLLEGE – CIA COORDINATOR	2008 – 2011
5.	DISCIPLINE COMMITTEE, COORDINATOR	2011 – 2012
6.	MEMBER, CALENDAR COMMITTEE	2011 – 2012
7.	MEMBER, IQAC	2012 – 2015
8.	DEAN ACADEMIC AFFAIRS	2012 – 2015
9.	MEMBER, ADMINISTRATIVE COMMITTEE	2012 – 2015
10.	MEMBER, COLLEGE COUNCIL	2012 – 2015
11.	MEMBER, AWARDS COMMITTEE	2012 – 2015

S. No.	NAME OF THE POSITION	DURATION
12.	MEMBER, PLANNING AND EVALUATION COMMITTEE	2012 – 2015
13.	MEMBER, STUDENTS GRIEVANCE COMMITTEE	2012 – 2015
14.	COORDINATOR, UGC PROPEL COMMITTEE	2015 – 2017

4. POSITION HELD OUTSIDE

S. No.	NAME OF THE INSTITUTION	NAME OF THE POSITION	DURATION
1.	MADURAI KAMARAJ UNIVERSITY, MADURAI	BOARD OF EXAMINER – THEORY AND PRACTICAL'S	1990 - 2021
2.	ANJA COLLEGE, SIVAKASI	BOARD OF EXAMINER	2000 - 2011
3.	BISHOP HOVER COLLEGE, TRICHY	BOARD OF EXAMINER	2008 - 2010
4.	INTERNATIONAL ASSOCIATION OF ALL INDIA MEDICAL PHYSICISTS	LIFE MEMBER	SINCE 2009
5.	PSG – TECH., DOCTORAL COMMITTEE, COIMBATORE	MEMBER	2011 - 2021
6.	MADURA COLLEGE, MADURAI	MEMBER BOARD OF EXAMINER	2012 - 2021
7.	AMERICAN ASSOCIATION OF PHYSICS IN MEDICINE	LIFE MEMBER	SINCE 2013
8.	BREAST CANCER FOUNDATION- INDIA	LIFE MEMBER	-

5. AREAS OF SPECIALIZATION

- **MEDICAL PHYSICS**
- **BIO PHOTONICS &**
- **RADIATION PHYSICS**

6. ORIENTATION/REFRESHER/TRAINING PROGRAMMES/FDP ATTENDED

S. No.	PROGRAMMES	THEME	ORGANIZED BY	DATE
1.	ORIENTATION PROGRAMME	NEWLY APPOINTED COLLEGE/ UNIVERSITY TEACHES	ACADEMIC STAFF COLLEGE, MADURAI KAMARAJ UNIVERSITY, MADURAI	14.07.1995 – 11.08.1995
2.	REFRESHER COURSE	DIGITAL ELECTRONICS, MICROPROCESSOR AND COMPUTER SIMULATION	MADURAI KAMARAJ UNIVERSITY, MADURAI	20.11.1998 – 10.12.1998
3.	REFRESHER COURSE	-	ANJA COLLEGE – SIVAKASI	01.11.2003- 21.11.2003
4.	TRAINING PROGRAMME	FACULTY TRAINING AND MOTIVATION PROGRAMME FOR SCIENCE LECTURERS	CECRI, KARAIKUDI	28.03.2011 – 30.03.2011
5.	TRAINING PROGRAMME	AQUIFER INFORMATION SYSTEM AND AQUIFER MANAGEMENT PLAN	GOVT OF INDIA, MINISTRY OF WATER RESOURCES,CENTRAL GROUND WATER BOARD, SOUTH EASTERN COASTAL REGION, CHENNAI	21.01.2013 - 25.01.2013

7. 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 (PHASE I)"	UGC	DEPT. OF PHYSICS, FATIMA COLLEGE, MADURAI	JAN. 30 – FEB. 01, 1997	PARTICIPATED	-
2.	NATIONAL LASER SYMPOSIUM ON "MEDICAL PHYSICS"	-	LASER SCIENCE AND TECHNOLOGY CENTRE, DELHI	DEC. 13 - 15, 2000	PRESENTED	-
3.	NATIONAL SEMINAR ON "PHYSICS FOR COLLEGE TEACHERS"	UGC	DEPT. OF PHYSICS, ST. JOSEPH'S COLLEGE, BANGALORE	OCT. 06 – 08, 2005	PARTICIPATED	-
4.	NATIONAL WORKSHOP ON "NANOMATERIALS – SYNTHESIS, CHARACTERIZATION AND APPLICATIONS"	-	DEPT. OF PHYSICS, MEPCO SCHLENK ENGINEERING COLLEGE, SIVAKASI	AUG. 29, 2007	PARTICIPATED	-
5.	NATIONAL SEMINAR ON "ENHANCING AND SUSTAINING QUALITY IN HIGHER EDUCATION: INTERVENTION STRATEGIES"	-	IQAC, FATIMA COLLEGE, MADURAI	FEB. 27, 2009	PARTICIPATED	-
6.	SEMINAR ON "MEDICAL RADIOLOGICAL SAFETY – 2KX"	-	DEPT OF RADIOTHERAPY & RADIOLOGY, GOVT. RAJAJI HOSPITAL, MADURAI, ATOMIC ENERGY REGULATORY BOARD, MUMBAI, ASSOCIATION OF MEDICAL PHYSICIST OF INDIA, INDIAN BRACHYTHERAPY SOCIETY	MAY 01 & 02, 2010	PARTICIPATED	-
7.	INTERNATIONAL CONFERENCE OF "ASSOCIATION OF MEDICAL PHYSICISTS OF INDIA"	-	SANJAY GANDHI POSTGRADUATE INSTITUTE OF MEDICAL SCIENCES AT LUCKNOW, INDIA	Nov. 18 – 21, 2010	PRESENTED	PHOTOCYTOCIDAL ACTIVITY OF ALTERNATIVE PHOTOSENSITIZERS IN MCF 7 CELL LINES
8.	NATIONAL SEMINAR ON "RADIATION TECHNOLOGY IN HEALTH CARE AND SAFETY"	-	BAHRATHIYAR UNIVERSITY, COIMBATORE	MAR. 16 & 17, 2011	PARTICIPATED	-
9.	INTERNATIONAL CONFERENCE OF "MEDICAL PHYSICS PRACTICE: LOOKING BEYOND TECHNOLOGY"		ASSOCIATION OF MEDICAL PHYSICISTS AT CHRISTIAN MEDICAL COLLEGE, VELLUR	Nov. 16 - 19, 2011	PRESENTED	1. MEASUREMENT OF DELIVERED DOSE IN TISSUE IN HOMOGENEITY USING AN ION CHAMBER FOR INDIGENOUSLY DEVELOPED SLAB PHANTOM

S. No.	PROGRAMMES	SPONSORED BY	ORGANIZED BY	DATE	PARTICIPATED/ PRESENTED	TITLE OF THE PAPER
						2. A DOSE DELIVERY VERIFICATION METHOD FOR CONVENTIONAL RADIATION THERAPY USING THORAX PHANTOM
10.	STATE LEVEL SEMINAR ON "RECENT TRENDS IN MEDICAL IMAGING AND RADIATION ONCOLOGY AWARENESS PROGRAMME"	-	DEPT. OF PHYSICS, VIVEKANDA COLLEGE, TIRUVEDAKAM WEST, MADURAI	JAN. 30, 2012	PARTICIPATED	-
11.	INTERNATIONAL WORKSHOP ON "RADIATION TECHNOLOGY IN HEALTH CARE AND ITS SAFETY (RADTECH)"	EMERGING NATIONS SCIENCE FOUNDATION (ENSF), ITALY	DEPT. OF MEDICAL PHYSICS, BHARATHIARY UNIVERSITY, COIMBATORE	MAR. 05 - 08, 2012	PARTICIPATED	-
12.	WORLD CONGRESS CONFERENCE ON "MEDICAL PHYSICS AND BIO-MEDICAL ENGINEERING"	-	IUPESM, IFMBE, IOMP CHINA	MAY 26 – 31, 2012	PRESENTED	1. PARTIAL WEDGE FIELD DOSIMETRY MEASUREMENTS USING INDIGENOUSLY DEVELOPMENT MINI PHANTOM, WATER PHANTOM AND ACRYLIC PHANTOM 2. DOSIMETRIC VALIDATION OF AN IN-HOUSE DEVELOPED THORAX PHANTOM
13.	INTERNATIONAL CONFERENCE ON "MULTIDISCIPLINARY MANAGEMENT OF COMMON CANCERS (ONCOLOGY 2012)"	-	INTERNATIONAL CHAAVARA CANCER RESEARCH INSTITUTE (ICCRI) & CANCER RESEARCH AND TREATMENT SOCIETY (CRTS), COCHIN	MAY 4 – 6, 2012	PRESENTED	DEVELOPMENT OF INHOMOGENCITY SLAB PHANTOM AND DOSIMETRY COMPARISON USING MOSFET, RADIOCHROMIC FILM AND 3D TPs FOR EXTERNAL BEAM RADIATION THERAPY
14.	INTERNATIONAL WORKSHOP ON "HI-TECH RADIATION ONCOLOGY AND E-CONTOURING"	-	INTERNATIONAL CHAAVARA CANCER RESEARCH INSTITUTE (ICCRI) & CANCER RESEARCH AND TREATMENT SOCIETY (CRTS)	MAY 06, 2012	PARTICIPATED	-

S. No.	PROGRAMMES	SPONSORED BY	ORGANIZED BY	DATE	PARTICIPATED/ PRESENTED	TITLE OF THE PAPER
15.	INTERNATIONAL CONFERENCE OF AMERICAN ASSOCIATION OF PHYSICIST IN MEDICINE	-	CHARLET NC, USA	JULY 29 – AUG. 02, 2012	PRESENTED	DESIGN AND STUDY OF INHOUSE WEB CAMERA BASED AUTOMATIC CONTINUOUS PATIENT MOVEMENT MONITORING AND CONTROLLING DEVICE FOR EXRT
16.	XVII TH ANNUAL CONFERENCE OF ASSOCIATION OF MEDICAL PHYSICISTS OF INDIA, TAMILNADU AND PUDUCHERY CHAPTER	-	APOLLO SPECIALITY HOSPITALS, MADURAI	AUG. 18 & 19, 2012	PARTICIPATED	-
17	INTERNATIONAL CONFERENCE OF AMERICAN ASSOCIATION OF PHYSICIST IN MEDICINE	-	INDIANA, USA	AUG. 04 - 08, 2013	PRESENTED	CYTOCIDAL ACTIVITY OF ALTERNATIVE PHOTSENSITIZERS IN MAMMACARCINOMA CELL LINES
17.	NATIONAL CONFERENCE OF ASSOCIATION OF MEDICAL PHYSICISTS OF INDIA, KOLKATA	-	ASSOCIATION OF MEDICAL PHYSICISTS OF INDIA, KOLKATA	NOV. 13 – 16, 2013	PRESENTED	ANATOMICAL QUALITY ASSURANCE HEAD AND NECK PHANTOM FOR THREE DIMENSIONAL CONFORMAL RADIATION THERAPY
18.	INTERNATIONAL CONFERENCE ON MULTIDISCIPLINARY MANAGEMENT OF BREAST CANCER	-	CANCER RESEARCH AND TREATMENT SOCIETY AND BREAST CANCER FOUNDATION OF INDIA, KOCHI,	MAR. 06 - 08, 2014	PARTICIPATED	SCIENTIFIC SESSION IN BREAST ONCOLOGY 2014
19.	PRECONFERENCE WORKSHOP OF BREAST ONCOLOGY, INTERNATIONAL CONFERENCE ON MULTIDISCIPLINARY MANAGEMENT OF BREAST CANCER	-	CANCER RESEARCH AND TREATMENT SOCIETY AND BREAST CANCER FOUNDATION OF INDIA, KOCHI,	MAR. 06, 2014	PARTICIPATED	WORKSHOP ON BREAST CANCER MANAGEMENT IN BREAST ONCOLOGY 2014
20.	NATIONAL CONFERENCE OF ASSOCIATION OF MEDICAL PHYSICISTS OF INDIA TAMIL NADU AND PUDUCHERRY- 2014	AMPI	ASSOCIATION OF MEDICAL PHYSICISTS OF INDIA TAMIL NADU AND PUDUCHERRY CHAPTER	DEC. 20 & 21, 2014	PARTICIPATED	-
21.	WORLD CONGRESS ON MEDICAL PHYSICS AND BIOMEDICAL INSTRUMENTATION	IUPESM, IFMBE, IOMP	IUPESM, IFMBE, IOMP TORONTO, CANADA	JUNE 07 – 12, 2015	PRESENTED	DOSIMETRIC EVALUATION OF LUNG DOSE USING INDIGENOUSLY DEVELOPED RESPIRATORY MOTION PHANTUM

8. RESEARCH GUIDES/GUIDANCE DETAILS

➤ NO. OF RESEARCH COMPLETED : 2

9. ARTICLES PUBLISHED IN JOURNALS/BOOKS

S. No.	JOURNAL/BOOK NAME	TITLE OF THE ARTICLE	MONTH/YEAR	VOL. No.	ISSUE No.	PAGE No.	ISSN	PUBLISHER
1.	J. SWAMY BOT	NUTRACEUTICAL ANTIOXIDANTS – A CRITIC REVIEW	2004	CL-21	-	33-38	-	JOURNAL OF THE SWAMY BOTANICAL CLUB. MADURAI
2.	IND. J. MENDEL	SPECTROSCOPICAL STUDIES ON MULTI-USE HYDROCARBANACEOUS PLANT SPECIES OF W.GHATS, TAMIL NADU, INDIA.	2004	21	1-2	3-4	-	-
3.	TEJAS	ANTIMICROBIAL ACTIVITY OF CAESALPINIA DIGYNA ON SOME HUMAN PATHOGENIC MICRO ORGANISMS	JUNE 2004	1	2	72-73	-	-
4.	ASIAN JOURNAL OF SPECTROSCOPY	DYE SENSITIZED PHOTOCHEMICAL REACTIONS OF MANDELIC ACID BY SINGLET OXYGEN-A SPECTROSCOPIC APPROACH	OCT. 30, 2004	8	-	23-27	0971-9237	SPECTRAL-FORCE PUBLICATIONS, INDIA
5.	ASIAN JOURNAL OF SPECTROSCOPY	SPECTROSCOPIC STUDIES ON THE PHOTOPRODUCT FORMATION FOR DYE SENSITIZED L-DOPA	OCT. 30, 2004	8	-	29-32	0971-9237	SPECTRAL-FORCE PUBLICATIONS, INDIA
6.	ASIAN JOURNAL OF SPECTROSCOPY	A SIMPLE ACCURATE SPECTROPHOTOMETRIC METHOD FOR QUANTIFYING TOTAL ALKALOIDS OF SEEDS FROM MEDICINAL PLANTS OF LUPINUS ALBUS L. AND STRYCHNOS NUX-VOMICA LINN	OCT. 30, 2004	8	-	33-36	0971-9237	SPECTRAL-FORCE PUBLICATIONS, INDIA
7.	ASIAN JOURNAL OF CHEMISTRY	CHEMICAL CONSTITUENTS AND ENERGY CONTENT OF CRYPTOSTEGIA GRANDIFLORA: A PROMISING MULTI USE CROP	2004	16	3-4	1421-1425	0970-7077	CHEMICAL PUBLISHING Co., INDIA
8.	ASIAN JOURNAL OF CHEMISTRY	EVALUATION AND BIOINDUCTION OF ENERGY COMPONENTS IN JATROPHA CURCAS L.	2004	16	3-4	1415-1420	0970-7077	CHEMICAL PUBLISHING Co., INDIA
9.	ASIAN JOURNAL OF CHEMISTRY	PHYTOCHEMICAL EVALUATION OF PLANTS TO IDENTIFY RENEWABLE ENERGY SOURCES, WESTERN GHATS, TAMIL NADU, INDIA	2005	17	3	2076-2080	0970-7077	CHEMICAL PUBLISHING Co., INDIA
10.	ASIAN JOURNAL OF CHEMISTRY	ANALYTICAL AND SPECTRAL STUDIES ON MULTI-USE HYDROCARBANACEOUS PLANT SPECIES OF W.GHATS, TAMIL NADU, INDIA	2005	17	-	1385-1389	0970-7077	CHEMICAL PUBLISHING Co., INDIA

S. No.	JOURNAL/BOOK NAME	TITLE OF THE ARTICLE	MONTH/YEAR	VOL. No.	ISSUE No.	PAGE No.	ISSN	PUBLISHER
11.	THE INTERNATIONAL JOURNAL OF MEDICAL PHYSICS RESEARCH AND PRACTICE	PHOTODYNAMIC ACTIVITY OF ALTERNATIVE PHOTOSENSITIZERS WITH MAMMA CARCINOMA CELL LINES(MCF-7)	JUNE 2013	40	6	189	-	AMERICAN ASSOCIATION OF MEDICAL PHYSICISTS IN MEDICINE
12.	AMERICAN JOURNAL OF MEDICAL PHYSICISTS	DOSIMETRIC EVALUATION OF LUNG DOSE USING INDIGENOUSLY DEVELOPED RESPIRATORY MOTION PHANTUM	JUNE 2015	-	-	-	978-1-988006-00-0	-

10. BOOKS PUBLISHED

S. No.	BOOK NAME	YEAR	PUBLISHER	ISBN
1.	ADVANCED RADIO DIAGNOSTIC TECHNIQUES	2013	FATIMA COLLEGE (AUTONOMOUS), MADURAI, TAMILNADU, INDIA	-

11. PROJECT UNDERTAKEN

S. No.	TITLE OF PROJECT	POSITION	SPONSORED BY	YEAR	SANCTIONED AMOUNT (₹)
1.	FABRICATION OF HOMOGENEOUS AND HETEROGENEOUS HUMAN TISSUE EQUIVALENT PHANTOMS OF THORAX, HEAD AND NECK FOR INVIVO DOSIMETRY IN CANCER TREATMENT	PRINCIPAL INVESTIGATOR	UGC	2012	200000/-
SPONSORED 3-DAY WORKSHOP					
2.	PREVENTIVE CARE AND CONTROL OF NON-COMMUNICABLE DISEASES FOR SOCIALLY MARGINALISED GROUPS	PRINCIPAL INVESTIGATOR	RAJIV GANDHI NATIONAL INSTITUTE OF YOUTH DEVELOPMENT	JAN. 05 – 07, 2017	1,49,000

12. MAJOR ASSIGNMENTS

S. No.	MAJOR ASSIGNMENTS	INSTITUTION	THEME/TITLE	DATE
1.	RESOURCE PERSON	SFR COLLEGE, SIVAKASI	RADIATION AND HUMAN BODY	30.12.2011