

NAME : Ms. ANCEMMA JOSEPH
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 FACULTY OF : PHYSICS
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LANGUAGES PROFICIENCY

READ : ENGLISH, HINDI & TAMIL
 WRITE : ENGLISH, HINDI & TAMIL
 SPEAK : ENGLISH, HINDI, TAMIL & MALAYALAM

1. QUALIFICATION

S. No.	DEGREE / DIPLOMA / CERTIFICATE	DISCIPLINE	NAME OF THE INSTITUTION	YEAR OF PASSING
1.	UG	PHYSICS	FATIMA COLLEGE, MADURAI KAMARAJ UNIVERSITY	2002
2.	PG	PHYSICS	THE AMERICAN COLLEGE, MADURAI KAMARAJ UNIVERSITY	2004
4.	PH.D.	PHYSICS	PONDICHERRY UNIVERSITY, PUDUCHERRY	2012

2. POSITION HELD IN FATIMA

S. No.	NAME OF THE POSITION	DURATION
1.	NSS PROGRAMME OFFICER	JUNE 15, 2012 - TILL DATE
2.	MEMBER – RESEARCH ADVISORY COMMITTEE	2013 - TILL DATE
3.	NSS PROGRAMME COORDINATOR	JUNE 2015 - TILL DATE
4.	FATIMA COLLEGE ALUMNAE ASSOCIATION - VICE PRESIDENT	JUNE 2015 - TILL DATE

3. POSITION HELD OUTSIDE

S. No.	NAME OF THE INSTITUTION	NAME OF THE POSITION	DURATION
1.	EXAMINER	THE AMERICAN COLLEGE, MADURAI	2012 - TILL DATE
2.	EXAMINER	MADURA COLLEGE, MADURAI	2013 - TILL DATE
3.	ACADEMIC AUDITOR	VIVEKANANDHA COLLEGE, MADURAI	2016 - 2017

4. NATIONAL/INTERNATIONAL SEMINAR, WORKSHOP & CONFERENCE

S. No.	PROGRAMMES	ORGANIZED BY	DATE	PARTICIPATED/ PRESENTED	TITLE OF THE PAPER
1.	BRNS SPONSORED 3 RD NATIONAL CONFERENCE ON MATERIALS FOR MODERN WORLD (NCMMW - 2016)	EASWARI ENGINEERING COLLEGE, CHENNAI	SEP. 15 & 16, 2016	PRESENTED	NOVEL DESIGN OF META FIBER WITH FRAMED ANISOTROPIC META MATERIAL CLADDING AND AIR CORE FOR HIGH BIREFRINGENCE.
2.	INTERNATIONAL LECTURE WORKSHOP ON ADVANCED MATERIALS ENGINEERING	THIAGARAJAR COLLEGE OF ENGINEERING	SEP. 26, 2016	PARTICIPATED	-

3.	NATIONAL CONFERENCE ON SMART MATERIALS	LADY DOAK COLLEGE, MADURAI	FEB. 23 & 24, 2016	PRESENTED	SOLITARY WAVE PROSPECTS OF METAMATERIALS
4.	INTERNATIONAL CONFERENCE ON OPTOELECTRONICS AND PHOTONIC MATERIALS (ICOPMA 2015)	SASTRA UNIVERSITY, TANJORE	FEB. 27 & 28, 2015	PRESENTED	INVESTIGATION OF PROPAGATION OF LIGHT THROUGH FIBER WITH CORE OF NEGATIVE REFRACTIVE INDEX
5.	NATIONAL CONFERENCE ON OPTICS, PHOTONICS AND LASERS (NCOPL)	ARUL ANANDHAR COLLEGE, MADURAI	JULY 17 & 18, 2014	PRESENTED	NONLINEAR INTERACTIONS AND SOLITARY WAVE ASPECTS IN NEGATIVE INDEX MATERIALS
6.	ONE DAY SEMINAR ON "EMERGING TRENDS IN PHYSICS"	MADURA COLLEGE, MADURAI	JAN. 2014	PARTICIPATED	-
7.	INTERNATIONAL CONFERENCE ON FIBER OPTICS AND PHOTONICS	INDIAN INSTITUTE OF TECHNOLOGY DELHI, INDIA.	DEC. 13 - 17, 2008	PRESENTED	EXISTENCE OF DARK-ANTIDARK SOLITONS IN NEGATIVE INDEX MATERIAL
8.	ASIA OPTICAL FIBER COMMUNICATION AND OPTOELECTRONIC EXPOSITION AND CONFERENCE (CHINA),	SHANGAI, CHINA	OCT. 30 – NOV. 02, 2008	PRESENTED	THE EXISTENCE AND STABILITY OF SMALL AMPLITUDE SOLITONS ON A PEDESTAL PERTAINING TO NEGATIVE INDEX MATERIALS
9.	NATIONAL CONFERENCE ON PHYSICS OF MATERIALS (NCPM)	PONDICHERRY UNIVERSITY, PUDUCHERRY	MAR. 19 & 20, 2008	PRESENTED A POSTER	EVOLUTION OF SMALL AMPLITUDE SOLITONS ON THE CONTINUOUS WAVE PEDESTAL IN NEGATIVE INDEX MATERIALS
10.	INTERNATIONAL CONFERENCE OF RECENT DEVELOPMENTS IN NONLINEAR DYNAMICS (RDND)	BHARATHIDASAN UNIVERSITY, TIRUCHIRAPPALLI, INDIA	FEB. 13 - 16, 2008	ORAL PRESENTATION	ROLE OF NONLINEAR DISPERSION ON MODULATIONAL INSTABILITY IN NEGATIVE INDEX MATERIALS
11.	4TH NATIONAL CONFERENCE ON NONLINEAR SYSTEMS AND DYNAMICS (NCNSD),	PHYSICAL RESEARCH LABORATORY, AHMEDABAD.	JAN. 03 - 05 2008	PRESENTED A POSTER	THE INFLUENCE OF DISPERSIVE PERMEABILITY EFFECTS OVER THE PROPAGATION SCENARIO IN NEGATIVE INDEX MATERIALS
12.	NATIONAL CONFERENCE ON NEW HORIZONS IN THEORETICAL AND EXPERIMENTAL PHYSICS (NHTEP),	COCHIN UNIVERSITY OF TECHNOLOGY, INDIA	OCT. 08 - 10, 2007	PRESENTED A POSTER	GAP SOLITONS AND MODULATIONAL INSTABILITY IN DYNAMIC BRAGG GRATING WITH NONLINEARITY MANAGEMENT
13.	NATIONAL CONFERENCE ON RECENT TRENDS IN OPTOELECTRONICS AND LASER TECHNOLOGY (NCOL),	KERALA UNIVERSITY, TRIVANDRAM, INDIA	APR. 09 - 11, 2007	PRESENTED A POSTER	PROPAGATION DYNAMICS THROUGH NONLINEARITY MANAGEMENT OF FIBER BRAGG GRATING-STOKES PARAMETER FORMALISM

5. ARTICLES PUBLISHED IN JOURNALS/BOOKS

S. No.	JOURNAL/BOOK NAME	ARTICLE TITLE	MONTH / YEAR	VOL. No.	ISSUE No.	PAGE No.	ISBN / ISSN	PUBLISHER
1.	PROCEEDINGS OF ASIA OPTICAL FIBER COMMUNICATION AND OPTOELECTRONIC EXPOSITION & CONFERENCE (AOE)	ON THE EXISTENCE AND STABILITY OF SMALL AMPLITUDE SOLITONS ON A PEDESTAL PERTAINING TO NEGATIVE INDEX MATERIALS	Nov. 2008	1	-	1-3	978-1-55752-863-6	IEEE

2.	JOURNAL OF OPTICS A: PURE & APPLIED OPTICS	GAP SOLITONS AND MODULATIONAL INSTABILITY IN DYNAMIC BRAGG GRATING WITH NONLINEARITY MANAGEMENT	2009	11	-	015203	1464-4258	IOP PUBLISHING, UNITED KINGDOM
3.	J. PHYS. SOC. OF JAPAN	SMALL AMPLITUDE SOLUTIONS ON A PEDESTAL IN THE MODIFIED NONLINEAR SCHRÖDINGER EQUATION FOR NEGATIVE INDEX MATERIALS	2009	78	4	044402	1347-4073	PHYSICAL SOCIETY OF JAPAN, TOKYO, JAPAN
4.	PHYS. REV. A	STABILITY CRITERION FOR GAUSSIAN PULSE PROPAGATION THROUGH NEGATIVE INDEX MATERIALS	2010	81	-	023805	1050-2947	AMERICAN PHYSICAL SOCIETY, USA
5.	J. MOD. OPT.	MODULATION INSTABILITY SCENARIO IN NEGATIVE INDEX MATERIALS	2010	57	6	436	0950-0340	TAYLOR & FRANCIS
6.	J. NONLINEAR OPT. PHYS. AND MATERIALS	PERIODIC WAVE SOLUTIONS TO MODIFIED NONLINEAR SCHRÖDINGER EQUATION PERTAINING TO NEGATIVE INDEX MATERIALS	2010	19	1	177	0218-8635	WORLD SCIENTIFIC, SINGAPORE
7.	RESONANCE	A NEW ERA OF EXOTIC ELECTROMAGNETISM	2012	17	2	163	0971-8044	INDIAN ACADEMY OF SCIENCES, BANGALOR, INDIA
8.	PROCEEDINGS OF THE NATIONAL CONFERENCE ON OPTICS, PHOTONICS AND LASERS,	NONLINEAR INTERACTIONS AND SOLITARY WAVE ASPECTS IN NEGATIVE INDEX MATERIALS”	2014	1	-	153	978-81-921895-0-6	UNIVERSITY GRANT COMMISSION, NEWDELHI
9.	PROCEEDINGS OF THE 1ST INTERNATIONAL CONFERENCE ON OPTOELECTRONICS AND PHOTONIC MATERIALS (ICOPMA-2015)	INVESTIGATION OF PROPAGATION OF LIGHT THROUGH FIBER WITH CORE OF NEGATIVE REFRACTIVE INDEX”	2015	1	-	34	-	CENTER FOR NONLINEAR SCIENCE AND ENGINEERING, SASTRA UNIVERSITY
10.	PROCEEDINGS OF THE NATIONAL CONFERENCE ON SMART MATERIALS NCSM 2016	“SOLITARY WAVE PROSPECTS IN METAMATERIALS”	2016	1	-	44	978-81-900971-9-2	DEPT. OF CHEMISTRY & PHYSICS, LADY DOAK COLLEGE, MADURAI
11.	PROCEEDINGS OF NATIONAL CONFERENCE ON MATERIALS FOR THE MODERN WORLD NCMMW 2016	NOVEL DESIGN OF META FIBER WITH FRAMED ANISOTROPIC META MATERIAL CLADDING AND AIR CORE FOR HIGH BIREFRINGENCE	2016	1	-	219	978 81 89 84316 8	DAE – BRNS , MUMBAI

6. ORIENTATION/REFRESHER/TRAINING PROGRAMMES/FDP ATTENDED

S. No.	PROGRAMMES	THEME	ORGANIZED BY	DATE
1.	FACULTY DEVELOPMENT PROGRAMME	INSPIRING EDUCATIONAL LEADERSHIP TRAINING	AIACHE, STELLA MARY'S CENTRE, KANYAKUMARI	17.11.2014 - 19.11.2014

7. ACHIEVEMENTS

S. No.	NAME OF THE AWARD	AWARDS RECEIVED FOR	SPONSORS / SOURCE	PLACE	DATE
1.	EINSTEIN'S AWARD & M.A. THANGARAJ AWARD	PROFICIENCY IN M.Sc. PHYSICS	THE AMERICAN COLLEGE	MADURAI	2004
2.	DR. RICHARD REISZ AWARD	PROFICIENCY IN M.Sc. PHYSICS – BEST STUDENT	THE AMERICAN COLLEGE	MADURAI	2004
3.	MAVEERAN SUNDARALINGAM MERIT SCHOLARSHIP AWARD	PROFICIENCY IN B.Sc. PHYSICS	FATIMA COLLEGE	MADURAI	2002
4.	PROFICIENCY AWARD	PROFICIENCY IN B.Sc. PHYSICS	FATIMA COLLEGE	MADURAI	2002
5.	BEST POSTER AWARD	INTERNATIONAL CONFERENCE ON PROGRESS ON TUNABLE LASERS FOR ULTRAFAST PROCESSES AND APPLICATIONS	IIT MADRAS, CHENNAI	CHENNAI	DEC. 2006
6.	BEST ORAL PRESENTATION AWARD	NATIONAL CONFERENCE ON SUBTLE WORLD OF PHYSICS	VIVEKANANDA ARTS & SCIENCE COLLEGE	THIRUCHENGODE	FEB. 2006

8. FELLOWSHIP RECEIVED

S. No.	NAME OF THE FELLOWSHIP	NAME OF THE EMPLOYER / INSTITUTION	PERIOD OF RESEARCH
1.	PROJECT ASSOCIATESHIP	PROJECT FUNDED BY DST MUMBAI IN PONDICHERRY UNIVERSITY	JAN 2009 – JULY 2009
2.	SENIOR RESEARCH FELLOWSHIP	PROJECT FUNDED BY DAE-BRNS MUMBAI IN PONDICHERRY UNIVERSITY	MAY 2007 – MARCH 2008
3.	JUNIOR RESEARCH FELLOWSHIP	PROJECT FUNDED BY DAE-BRNS MUMBAI IN PONDICHERRY UNIVERSITY	MAY 2005 – APRIL 2007
4.	SUMMER STUDENT FELLOWSHIP	INSTITUTE OF MATHEMATICAL SCIENCES CHENNAI	MAY 2003 – JULY 2003

9. PROJECT UNDERTAKEN

S. No.	TITLE OF PROJECT	POSITION	SPONSORED BY	DATE & YEAR	SANCTIONED AMOUNT
1.	INVESTIGATION OF SOLITON MODEL IN BIOMEMBRANES AND NERVES	PRINCIPAL INVESTIGATOR	UGC	AUG. 2016	1,00,000/-