

NAME : M. V. LEENA CHANDRA
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FACULTY OF : PHYSICS
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LANGUAGES PROFICIENCY

READ : TAMIL, ENGLISH, HINDI & JAPANESE

WRITE : TAMIL, ENGLISH, HINDI & JAPANESE

SPEAK : TAMIL, ENGLISH, HINDI & JAPANESE

1. QUALIFICATION

S. No.	DEGREE / DIPLOMA / CERTIFICATE	DISCIPLINE	NAME OF THE INSTITUTION	YEAR OF PASSING
1.	UG	PHYSICS	SARAH TUCKER COLLEGE, TIRUNELVELI	1998
2.	PG	PHYSICS	SARAH TUCKER COLLEGE, TIRUNELVELI	2000
3.	M.PHIL.	PHYSICS	ST. JOSEPH'S COLLEGE, TRICHY	2002
4.	PH.D.	PHYSICS	BHARATHIYAR UNIVERSITY, COIMBATORE	2017
5.	UGC-CSIR NET	PHYSICAL SCIENCE	UGC & CSIR	2001
ADDITIONAL QUALIFICATION				
6.	ONLINE CERTIFICATE COURSE	DEVELOPING SOFT SKILL AND PERSONALITY	IIT KANPUR NPTEL	AUG. - NOV. 2019

2. TEACHING EXPERIENCE

S. No.	INSTITUTION	FROM - TO
1.	NATIONAL INSTITUTE OF TECHNOLOGY, TRICHY	2001 - 2002
2.	FATIMA COLLEGE, MADURAI	2002 - TILL DATE

3. POSITION HELD IN FATIMA

S. No.	NAME OF THE POSITION	DURATION
1.	AICUF STAFF ADVISOR	2002 - 2003
2.	ADULT EDUCATION CO-ORDINATOR	2003 - 2007
3.	CHOIR INCHARGE	2007 - 2008
4.	NSS PROGRAM OFFICER, RED RIBBON CLUB PROGRAM OFFICER	2008 - 2010
5.	CHOIR INCHARGE	2010 - 2012
6.	STAFF SECRETARY	2011 - 2012
7.	STUDENTS UNION	2014 - 2016

S. No.	NAME OF THE POSITION	DURATION
8.	PROGRAMME COORDINATOR	2016 - 2018
9.	FONDE (FOUNDATION AND ONLINE COURSE) COMMITTEE MEMBER	2018 - 2019
10.	NAD NODAL OFFICER	2019 - 2020
11.	EXTENDED COMMITTEE MEMBER IN NAAC	2019 - 2020
12.	STAFF IN CHARGE OF ROOM ALLOTMENT & TIME TABLE	2019 - 2020

4. POSITION HELD OUTSIDE

S. No.	NAME OF THE INSTITUTION	NAME OF THE POSITION	DURATION
1.	ARUL ANANDAR COLLEGE, KARUMATHUR	BOARD OF EXAMINER	2007 - 2008
2.	ST. XAVIER'S COLLEGE, TIRUNELVELI	BOARD OF EXAMINER	2008 - 2009 & 2017 - 2018
3.	MADURA COLLEGE, MADURAI	BOARD OF EXAMINER	2011 - 2012
4.	ACADEMIC STAFF COLLEGE, MADURAI KAMARAJ UNIVERSITY	SECRETARY, ALUMNI ASSOCIATION	2012 - TILL DATE
5.	GANDHIGRAM RURAL INSTITUTE	BOARD OF EXAMINER	2014 - 2015
6.	ARUL ANANDAR COLLEGE, KARUMATHUR	BOARD OF EXAMINER	2015 - 2016
7.	KALASALINGAM UNIVERSITY, KRISHNANKOIL	BOARD OF EXAMINER	2016 - 2017
8.	VVV COLLEGE, VIRUDHUNAGAR	BOARD OF EXAMINER	2017 - 2018
9.	S.V.N. COLLEGE, MADURAI	EXTERNAL EXAMINER FOR PRACTICAL	2017 - 2019
10.	ARUL ANANDAR COLLEGE, KARUMATHUR	BOARD OF EXAMINER	2018 - 2019
11.	TNPSC, CHENNAI	EXPERT COMMITTEE MEMBER	2019 - 2020

5. AREAS OF SPECIALIZATION

➤ **SOLID STATE IONICS**

6. ORIENTATION/REFRESHER/TRAINING PROGRAMMES/FDP ATTENDED

S. No.	PROGRAMMES	THEME	ORGANIZED BY	DATE
1.	TRAINING PROGRAM	LEADERSHIP TRAINING	NBCLC, BANGALORE	2003
2.	ORIENTATION	UGC SPONSORED ORIENTATION PROGRAMME FOR COLLEGE TEACHERS	ACADEMIC STAFF COLLEGE, MKU, MADURAI	05.11.2011 - 08.12.2011
3.	REFRESHER COURSE	DST-NRDMS SPONSORED REFRESHER COURSE ON GEOSPATIAL TECHNOLOGIES AND APPLICATIONS	DEPARTMENT OF FUTURE STUDIES, SCHOOL OF ENERGY, MKU, MADURAI	08.05.2012 - 28.05.2012
4.	REFRESHER COURSE	UGC SPONSORED REFRESHER COURSE ON 'RECENT TRENDS IN PHYSICS' FOR COLLEGE TEACHERS	SCHOOL OF PHYSICS, MKU, MADURAI	03.02.2015 - 23.02.2015
5.	FDP	ALTERNATIVE TEACHING METHODOLOGY	IQAC, FATIMA COLLEGE, MADURAI	14.10.2017

7. NATIONAL/INTERNATIONAL SEMINAR, WORKSHOP, CONFERENCE & SYMPOSIUM

S. No.	PROGRAMMES	SPONSORED BY	ORGANIZED BY	DATE	PARTICIPATED / PRESENTED	TITLE OF THE PAPER
1.	NATIONAL SEMINAR ON "RECENT TRENDS IN PHYSICS"	UGC	ST. JOSEPH'S COLLEGE, BANGALORE	OCT. 08, 2005	PARTICIPATED	-
2.	NATIONAL SEMINAR ON "FUTURE TRENDS IN MATERIALS AND CHARACTERIZATION"	-	LOYOLA COLLEGE, CHENNAI	FEB. 28, 2006	PARTICIPATED	-
3.	NATIONAL WORKSHOP ON "NANOSTRUCTURES MATERIALS AND APPLICATIONS"	-	STELLA MARIS COLLEGE, CHENNAI, INDIAN INSTITUTE OF TECHNOLOGY, MADRAS	JAN. 23 - 25, 2007	PARTICIPATED	-
4.	NATIONAL WORKSHOP ON "RECENT TREND IN COMPUTATIONAL RESEARCH ON NANO STRUCTURES"	DST - FIST, CSIR	THIAGARAJAR COLLEGE OF ENGINEERING	APR. 08 - 12, 2008	PARTICIPATED	-
5.	NATIONAL SEMINAR ON "ENHANCING & SUSTAINING QUALITY IN HIGHER EDUCATION"	-	IQAC, FATIMA COLLEGE, MADURAI	FEB. 27, 2009	PRESENTED	THE THIRD DIMENSION OF HIGHER EDUCATION IN FATIMA COLLEGE
6.	INTERNATIONAL SEMINAR ON "ADVANCED MATERIALS AND ITS APPLICATIONS"	UGC	KALASALINGAM UNIVERSITY, KRISHNANKOIL	MAR. 04 & 05, 2011	PARTICIPATED	-
7.	NATIONAL CONFERENCE ON "RECENT TRENDS IN ADVANCED MATERIALS"	CSIR	JEYARAJ ANNAPACKIAM COLLEGE, PERIAKULAM	FEB. 05 & 06, 2013	PRESENTED	CONDUCTIVITY STUDIES OF BLEND POLYMER ELECTROLYTES BASED ON PVAC-PMMA
8.	INTERNATIONAL CONFERENCE ON "MATERIALS FOR ADVANCED TECHNOLOGIES"	-	MATERIALS RESEARCH SOCIETY, (MRS) SUNTEC, SINGAPORE	JUNE 30 - JULY 05, 2013	PRESENTED	STRUCTURAL, VIBRATIONAL AND ELECTRICAL PROPERTIES OF PVAC/PMMA POLYMER BLEND ELECTROLYTE WITH NH ₄ SCN
9.	INTERNATIONAL CONFERENCE ON "ELECTROCHEMICAL SOCIETY"	-	INDIAN INSTITUTE OF SCIENCE (IISc), BANGALORE	AUG. 07 - 09, 2014	PRESENTED	LITHIUM ION CONDUCTION IN PVAC-PMMA BLEND ELECTROLYTE
10.						CHARACTERISATION OF PVAC-PMMA LITHIUM TRIFLATE POLYMER ELECTROLYTE
11.						STUDY OF PROTON CONDUCTING POLYMER ELECTROLYTE BASED ON PVAC-PMMA
12.						LITHIUM ION CONDUCTION IN TRIBLOCK POLYMER ELECTROLYTE
13.	INTERNATIONAL SYMPOSIUM ON "RESEARCH INNOVATION FOR QUALITY IMPROVEMENT IN HIGHER EDUCATION"	-	BHARATHIAR UNIVERSITY, COIMBATORE	OCT. 10 & 11, 2014	PRESENTED	CONDUCTIVITY AND THERMAL STUDIES OF BLEND PROTON CONDUCTING POLYMER ELECTROLYTE WITH CH ₃ COONH ₄

S. No.	PROGRAMMES	SPONSORED BY	ORGANIZED BY	DATE	PARTICIPATED / PRESENTED	TITLE OF THE PAPER
14.	INTERNATIONAL CONFERENCE OF "FUNCTIONAL MATERIALS AND DEVICES (ICFMD 2015)"	-	UNIVERSITY OF MALAYA, MALAYSIA	AUG. 04 - 06, 2015	PRESENTED	LITHIUM ION CONDUCTING MEMBRANE BASED ON BIOPOLYMER-TAMARIND SEED POLYSACCHARIDES
15.	NATIONAL CONFERENCE ON "MATERIALS FOR ENERGY DEVICES"	UGC	STANDARD FIREWORK RAJARATNAM COLLEGE FOR WOMEN	Nov. 23 & 24, 2016	PRESENTED	CHARACTERIZATION OF POLYMER ELECTROLYTE K. CARRAGEENAN DOPED WITH NH ₄ NO ₃
16.						CHARACTERIZATION OF POLYMER ELECTROLYTE GUM ARABIC DOPED WITH NH ₄ I
17.						CHARACTERIZATION OF POLYMER ELECTROLYTE K. CARRAGEENAN DOPED WITH NH ₄ SCN
18.						CHARACTERIZATION OF POLYMER ELECTROLYTE GUM ARABIC DOPED WITH NH ₄ BR
19.	ASIAN CONFERENCE ON "SOLID STATE IONICS (ACSSI-2016)"	-	IIT , PATNA	Nov. 27 - 30, 2016	PRESENTED	A STUDY ON POLYMER BLEND ELECTROLYTE BASED ON PVAC / PMMA WITH LITHIUM TRIFLATE SALT AND ITS APPLICATION IN LITHIUM PRIMARY BATTERY
20.	NATIONAL CONFERENCE ON "ADVANCED MATERIALS AND ITS APPLICATION"	UGC	THE STANDARD FIREWORKS RAJARATNAM COLLEGE FOR WOMEN, SIVAKASI	JULY 06 & 07, 2017	PRESENTED	STUDY OF POLYMER ELECTROLYTE BASED ON BIO-POLYMER PECTIN DOPED WITH MAGNESIUM PERCHLORATE
21.						STUDY OF LITHIUM ION CONDUCTING POLYMER ELECTROLYTE BASED ON BIO-POLYMER PECTIN DOPED WITH LITHIUM PERCHLORATE
22.						MAGNESIUM ION CONDUCTING SOLID POLYMER ELECTROLYTE BASED ON BIO POLYMER PECTIN DOPED WITH MAGNESIUM NITRATE
23.						STUDY OF LITHIUM ION CONDUCTING POLYMER ELECTROLYTE BASED ON BIO-POLYMER K - CARREGEENAN DOPED WITH LITHIUM PERCHLORATE

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24.	NATIONAL CONFERENCE ON "ADVANCED MATERIALS AND ITS APPLICATION"	UGC	THE STANDARD FIREWORKS RAJARATNAM COLLEGE FOR WOMEN, SIVAKASI	JULY 06 & 07, 2017	PRESENTED	STRUCTURAL AND CONDUCTIVITY STUDIES ON BIODEGRADABLE POLYMER ELECTROLYTE BASED ON BIO- POLYMER K - CARREGEENAN DOPED WITH MAGNESIUM NITRATE
25.						STUDY OF LITHIUM ION CONDUCTING POLYMER ELECTROLYTE BASED ON BIO- POLYMER K -CARREGEENAN DOPED WITH LITHIUM NITRATE
26.						STUDY OF LITHIUM ION CONDUCTING POLYMER ELECTROLYTE BASED ON BIO- POLYMER PECTIN DOPED WITH LITHIUM CHLORIDE
27.	6 TH INTERNATIONAL CONFERENCE ON "FUNCTIONAL MATERIALS & DEVICES 2017 (ICFMD - 2017)"	-	UNIVERSITY OF MALAYA, MALACCA, MALAYSIA	AUG. 15 - 18, 2017	PRESENTED	PROTON ION CONDUCTING MEMBRANE BASED ON BIOPOLYMER – K- CARRAGEENAN
28.	INTERNATIONAL CONFERENCE ON "SCIENCE AND ENGINEERING OF MATERIALS ICSEM 2018"	-	SHARDA UNIVERSITY, NOIDA, U. P., INDIA	JAN. 06 - 08, 2018	PRESENTED	DEVELOPMENT OF BIO- POLYMER GUM ARABIC WITH AMMONIUM CHLORIDE AND ITS CHARACTERIZATION OF ELECTROCHEMICAL DEVICES
29.	SEMINAR CUM WORKSHOP ON THE THEME OF INDIA BASED NEUTRINO OBSERVATORY PROJECT	TIFR	INO CAMPUS, VADAPALANGI	JULY 15, 2018	PARTICIPATED	-
30.	NATIONAL CONFERENCE ON "ADVANCES IN MATERIAL SCIENCE AND ENGINEERING FOR SOCIETAL APPLICATIONS"	DST-SERB AND DRDO	SRI RAMAKRISHNA ENGINEERING COLLEGE, COIMBATORE	JULY 19 & 20, 2018	PRESENTED	PROTON CONDUCTING POLYMER ELECTROLYTE BASED ON PVA, WITHANIA SOMNIFERA DOPED WITH AMMONIUM CHLORIDE
31.						PROTON CONDUCTING POLYMER ELECTROLYTE BASED ON PVA, SUCCINONITRILE DOPED WITH AMMONIUM BROMIDE
32.						PROTON CONDUCTING POLYMER ELECTROLYTE BASED ON PVA, WITHANIA SOMNIFERA DOPED WITH AMMONIUM BROMIDE

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33.	NATIONAL CONFERENCE ON "ADVANCES IN MATERIAL SCIENCE AND ENGINEERING FOR SOCIETAL APPLICATIONS"	DST-SERB AND DRDO	SRI RAMAKRISHNA ENGINEERING COLLEGE, COIMBATORE	JULY 19 & 20, 2018	PRESENTED	CHARACTERIZATION OF PROTON CONDUCTING POLYMER ELECTROLYTE BASED ON PVA AND WITHANIA SOMNIFERA DOPED WITH AMMONIUM IODIDE
34.						CHARACTERIZATION OF PROTON CONDUCTING POLYMER ELECTROLYTE BASED ON PVA AND TANNIC ACID WITH AMMONIUM IODIDE
35.	THREE-DAY 'TRAIN THE TRAINER' NATIONAL WORKSHOP ON "CREATING ALTERNATIVE DIGITAL TEACHING LEARNING ENVIRONMENT IN HIGHER EDUCATION INSTITUTIONS"	UBCHEA	FATIMA COLLEGE (AUTONOMOUS), MADURAI	SEP. 06 - 08, 2018	PARTICIPATED	-
36.	INTERNATIONAL WEB CONFERENCE ON ADVANCED MATERIALS(IWCAM 2019)	-	ST. JOSEPH'S COLLEGE, TIRUCHIRAPPALLI	28.02.2019 - 01.03.2019	PARTICIPATED THROUGH WEB	-
37.	15 TH INTERNATIONAL CONFERENCE ON FRONTIERS OF POLYMERS AND ADVANCED MATERIALS (ICFPAM 2019)	-	CENTER FOR IONICS , UNIVERSITY OF MALAYA	JUNE 17 - 21, 2019	PRESENTED	STUDY OF BIOPOLYMER ELECTROLYTE BASED ON PVA AND WITHANIA SOMNIFERA DOPED WITH AMMONIUM IODIDE FOR PROTON BATTERY AND FUEL CELL APPLICATIONS
38.						STUDY OF PROTON CONDUCTING BLEND POLYMER ELECTROLYTE BASED ON POLYVINYL ALCOHOL (PVA) - SUCCINONITRILE (SN) AND AMMONIUM NITRATE (NH ₄ NO ₃) APPLICABLE TO ELECTROCHEMICAL DEVICES

8. ARTICLES PUBLISHED JOURNALS/BOOKS

S. No.	JOURNAL NAME	TITLE OF THE ARTICLE	MONTH / YEAR	VOL. No.	ISS. No.	PAGE No.	ISSN / ISBN / DOI	PUBLISHER	IMPACT FACTOR
1.	INTERNATIONAL JOURNAL OF IONICS	CHARACTERIZATION OF HIGH IONIC CONDUCTING PVAc-PMMA BLEND BASED POLYMER ELECTROLYTE FOR ELECTROCHEMICAL APPLICATIONS	JUNE 16, 2016	22	12	2409-2420	0947-7047	SPRINGER BERLIN HEIDELBERG	2.21

S. No.	JOURNAL NAME	TITLE OF THE ARTICLE	MONTH / YEAR	VOL. No.	ISS. No.	PAGE No.	ISSN / ISBN / DOI	PUBLISHER	IMPACT FACTOR
2.	INTERNATIONAL JOURNAL OF POLYMER ENGINEERING (JPOLYENG)	STUDY OF PVAc-PMMA-LiCl POLYMER BLEND ELECTROLYTE AND THE EFFECT OF PLASTICIZER ETHYLENE CARBONATE AND NANO FILLER TITANIA ON PVAc-PMMA-LiCl POLYMER BLEND ELECTROLYTE	Nov. 2016	37	6	11-22	DOI 10.1515/POLYENG-2016-0145-	DE GRUYTER JOURNAL OF POLYMER ENGINEERING	0.631
3.	INTERNATIONAL JOURNAL OF IONICS	STUDY OF PROTON-CONDUCTING POLYMER ELECTROLYTE BASED ON K-CARRAGEENAN AND NH ₄ SCN FOR ELECTROCHEMICAL DEVICES	MAR. 2018	24	11	3535-3542	DOI:10.1007/s11581-018-2521-7	SPRINGER BERLIN HEIDELBERG	2.21

9. MAJOR ASSIGNMENTS

S. No.	MAJOR ASSIGNMENTS	INSTITUTION / ORGANIZATION	NAME OF THE EVENT / PROGRAMME	TITLE / THEME OF TALK	DATE
1	RESOURCE PERSON	RESEARCH CULTURE PROMOTION CELL (RCPC) OF LADY DOAK COLLEGE, MADURAI	ONE-DAY WORKSHOP ON "MATHEMATICS - AN INTERDISCIPLINARY APPROACH TO SCIENCES" FOR YOUNG FACULTY MEMBERS OF ALL DEPARTMENTS (SCIENCES), WHO ARE IN THE EARLY STAGE OF THEIR RESEARCH CAREER.	APPLICATIONS OF MATHEMATICS IN MAJOR FIELDS OF SCIENCE	11.12.2018

10. ACHIEVEMENTS

S. No.	NAME OF THE AWARDS/ PRIZE	PRIZE/AWARDS RECEIVED FOR	SPONSORS / SOURCE	PLACE	DATE
1.	UNIVERSITY RANK	UNIVERSITY XI RANK IN B.Sc.	MANONMANIUM SUNDARANAR UNIVERSITY, TIRUNELVELI	TIRUNELVELI	1998
2.	GOLD MEDAL	UNIVERSITY I RANK IN M.Sc. PHYSICS	MANONMANIUM SUNDARANAR UNIVERSITY, TIRUNELVELI	TIRUNELVELI	2000
3.	III PRIZE	THE SCIENCE MODEL IN NATURAL DISASTER MANAGEMENT	SCIENCE CITY, MINISTRY OF HIGHER EDUCATION, TAMIL NADU	QUEEN MARY'S COLLEGE, CHENNAI	09.02.2017 - 12.02.2017
4.	TOPPER	TOPPER IN NPTEL ONLINE CERTIFICATE COURSE	IIT KANPUR	-	26.11.2019

11. FOREIGN COUNTRIES VISITED ON ACADEMIC ASSIGNMENTS/TRAINING/INVITED PROGRAMME

S. No.	NAME OF THE COUNTRY	ACADEMIC ASSIGNMENTS	ORGANIZED BY	DATE
1.	MALAYSIA	PRESENTING A RESEARCH PAPER IN A CONFERENCE	CENTER OF IONICS UNIVERSITY OF MALAYA	17.06.2019 - 21.06.2019