
Prof. M.ANUSUYA

Personal Details:

Full Name: Dr. M.ANUSUYA

Date of Birth: 29, May 1969

Sex: Female

Nationality: Indian

Country of Birth: INDIA

Contact Details

Working Address: Dr.M.ANUSUYA,

Professor \ Registrar,

Indra Ganesan Group of Institutions, Madurai Main Road, Manikandam, Trichy 620012.

Residential Address: 15/11, Bharathiyar Street,

RMS Colony – North Extension,

Edamalaipatty Pudur,

Trichy, Tamilnadu, INDIA – 620012.

Email: sarananu94@gmail.com

Mobile No: 9952767994

Objective: Technology contributions to the world for the benefit of the Society

Specialization: Materials Science, Crystal Growth, Nanomaterials Synthesis and Characterization, Nanosensors, Thin Films

Skills / Abilities: C/C++, UNIX, Windows

Languages Known: English, Tamil

Education:

Bharathidhasan University, Trichy, Tamilnadu (India)

Y B.Sc (1989) Physics (Main), Maths, Chemistry, and Computer Science

Seetha Lakshmi Ramasamy College, Trichy, Tamilnadu (India)

Madras University. Chennai, Tamilnadu (India)

Y B.Ed (1992)Physical Science

Bharathidhasan University, Trichy, Tamilnadu (India)
Y M.Sc (2000) Physics
Urumu Dhanalakshmi College, Trichy, Tamilnadu (India)

Mother Teresa Womens University, Kodaikanal, Tamilnadu, (India)
Y PhD (PHYSICS) (2012) Thin Film Nanotechnology

Professional Experience:

***Professor/Registrar: July 2019 – till date**

Indra Ganesan Group of Institutions, Madurai Main Road, Manikandam, Trichy 620012

***Professor/Vice Principal: June 2014 – June 2019**

Trichy Engineering College, Trichy, Tamilnadu, INDIA

*** Associate Professor: March 2013 – June 2014**

Department of Physics,
Trichy Engineering College, Trichy, Tamilnadu, INDIA

*** Assistant Professor: August 2008 – February 2013**

Department of Physics,
Trichy Engineering College, Trichy, Tamilnadu, INDIA

***Lecturer: August 2003 – July 2008**

Department of Physics,
Trichy Engineering College, Trichy, Tamilnadu, INDIA

***Demonstrator: July 1995 – July 2003**

Department Of Physics,
Srinivasa Poytechnic College, Pudukottai, Tamilnadu, INDIA

Publications:

1. R.Thiyagarajan, **M.Anusuya** and M.Mahaboob Beevi, “ Study of Structural and Mechanical Properties of Zirconium doped Cadmium Sulphide Thin films”, **Journal of American Science**, 2009:5(3)26-30
2. R.Thiyagarajan, M.Mahaboob Beevi and **M.Anusuya**, Preparation and Characterization of Aluminium doped Zirconium Sulphide Thin films”, **The Pacific Journal of Science and Technology**, Vol.10, No.1, 2009, 423-427, ISSN No. 1551-7624
3. R.Thiyagarajan, **M.Anusuya** and M.Mahaboob Beevi , “Optical, Structural and Mechanical Studies of Al doped Cadmium Sulphide Thin films”, **e-Proceedings of World Scientific Book Series**, Mechanical and Electronics Engineering, World Scientific Press, Singapore, Vol.23, 2009, 215-218
4. S.C.Ezugwu, F.I.Ezema, R U.Osuji, P.U.Asogwa, B.A.Ezekoye, A.B.C Ekwealor, C.Chigbo, **M.Anusuya**, M Mahaboob Beevi, “Optical Studies of Chemically deposited PVA caped PbS nanoparticle Thin film”, **Optoelectronics and Advanced Materials-Rapid Communications**, Vol.3, Issue 6, 2009, 528-532
5. R.Thiyagarajan, **M.Anusuya** and M.Mahaboob Beevi , “ Mechanical Characterization of Spray Pyrolytic Cadmium Sulphide Thin films by Indentaion Technique”, **Journal of American Science**, 2009:5(6):6-12
6. R.Thiyagarajan, M.Mahaboob Beevi and **M.Anusuya** , “Nano Structural Characteristics of Zirconium Sulphide Thin films”, **Journal of American Science**, 2009:5(6):51-56
7. R.Thiyagarajan, **M.Anusuya** and M.Mahaboob Beevi, “Comparative Study of Cadmium Sulphide and Aluminium Doped Cadmium Sulphide Films by Spray Technique”, **Indian Journal of Engineering, Science and Technology**, 2009, Vol.3, No.1, 71-75.
8. R.Thiyagarajan, **M.Anusuya** and M.Mahaboob Beevi, “Micro hardness Studies of Doped Cadmium Sulphide Thin films”, **Advances in Applied Research**, Vol.2, No.1, 2010, 14-19.

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9. M.Mahaboob Beevi, **M.Anusuya** and V.Saravanan, “Characterization of CdO Thin Films Prepared by SILAR Deposition Technique”, **International Journal of Chemical Engineering and Applications**, Vol.1, No.2, August 2010, Pg.151-154
 - 10.A.Sakthivelu, V.Saravanan, **M.Anusuya** and J.Joseph Prince, “Structural, Morphological and Optical Studies of Molarity based ZnO Thin films”, **Journal of Ovonic Research**, Vol.7, No.1,January-February 2011, p.1-7, ISSN No. 1584 - 9953
 11. R. Thiagarajan, M. Mahaboob Beevi, **M. Anusuya**, and T. Ramesh, “Influence of reactant concentration on nano crystalline PbS thin films prepared by Chemical Spray Pyrolysis”, **Optoelectronics and Advanced Materials –Rapid Communications**, Vol 6, No.1-2, January-February 2012, p.140-143
 12. **M. Anusuya**, V.Saravanan, T. Ramesh and M. Mahaboob Beevi,” Physical properties of spray pyrolytically Li doped Pbs thin films”, **Journal of Non-Oxide Glasses**, Vol. 5, No 3, 2013, p. 33 – 37, ISSN No. 2065-6874
 13. V.Saravanan, J.Joseph Prince and **M.Anusuya**, “Influence of Molarity on Physical properties of Spray pyrolysed Transparent conducting CdO Thin films,” **ARNP Journal of Engineering and Applied Sciences**, 2015
 14. Jamal Moideen Muthu Mohamed, Fazil Ahmad, Ali Alqahtani, TahaIqahtani, Venkatesan Krishna Raju, **M Anusuya**, “ Studies on Preparation and Evaluation of Soluble 1:1 Stoichiometric Curcumin Complex for Colorectal Cancer Treatment”, **Trends in Science**, 2021, 18(24):1403
 15. N.Mahesna,,,,**M.Anusuya**, “ Green Synthesis of Titanium dioxide Nanoparticles and their Multifaceted Applications”, **International Journal of Health Sciences**, 2022, 6(S3), 5665-5680
 16. Chandra Mukherjee, J. Thamil Selvi, M. Ramesh, Lims Thomas, **M. Anusuya**, and Vijay Ramkisan Lakwa,, A review on prediction of cardiac arrest analysis in

early stage, **AIP Conference Proceedings** **2393**, 020189 (2022); <https://doi.org/10.1063/5.0074439>

17. S.Ranjitha,...M.Anusuya, Optical Properties of Natural Dye Sensitizers for the Applications of Dye Sensitized Solar Cell, **Jundishpur Journal of Microbiology**, Vol.15, No.2(2022), 6574-6584
18. B.Ashok, P.Tamilmani, N.K.Anushkannan, Rupali Dhamdhere, V.Saravanan, M.Anusuya, Studies of Electrical Properties of Supercapacitor and its Applications, **East China Journal of Science and Technology**, Vol. 65, No.3, 2022, 568-592
19. V.Saravanan, M Anusuya,F.I.Ezema, Preparation and Nonlinear optical characterization of Flourine doped Cadmium oxide thin films, **Applied Surface science advances**, Vol 11, 2022, 100294
20. M.K Valsakumari, N.K Anushkannan, **M. Anusuya**, M Jayapriya, K. Ramachandran, Biomolecules and microwaves directed fabrication of Ag/CeO₂ nanocomposite: a versatile candidate for the degradation of textile dye mixtures and antibacterial studies, **Research on Chemical Intermediates**, 2022, 48(12), pp. 5169–5186
21. Sri Harsha Arigela, T. SanthanaKrishnan , Ramakrishnan Raman, G.Nixon Samuel Vijayakumar, **M Anusuya**, T. Logeswaran, CentredSourced high gain Multilevel Boost Converter for Renewable application, **2022 IEEE International Conference on Power, Energy, Control and Transmission Systems (ICPECTS)**, Page No.1180-1186, **DOI: 10.1109/ICPECTS56089.2022.10047811**
22. M. Jayaprakash , V. Kumara Swamy , V. Senthil , Suresh Kumar Maddila **M Anusuya**, Sumit Kushwaha, **DESIGN AND DEVELOPMENT OF COMMUNICATION**

NETWORKS USING IOT, **River Publishers series in Proceedings**, Int.Conf. on Materials, Computing, Communication Technologies, ICMCCT 2022

23. V. Subha , S. Jagan Raj , R. Vijay Anand , S. Sathya , R. Jothikumar , **M Anusuya**, Electrical Discharge Machining of Titanium Alloy Using Diatomite Powder-Mixed Dielectric Fluid Based on RSM, **Elsevier, Materials Today: Proceedings**, 2023
24. N. Krishnamoorthy , R. Thirumalai , M. Lenin Sundar , **M. Anusuya** , P. Manoj Kumar , E. Hemalatha , M. Mohan Prasad , Neha Munja, Assessment of underground water quality and water quality index across the Noyyal River basin of Tirupur District in South India, Elsevier, **Urban Climate**, 49 (2023) 101436
25. Prasanna Lakshmi G S, Mani. P. K, S. Sangeetha, T. Santhana Krishnan, T. Udhayakumar, **M Anusuya**, An Enhanced Optimal Design of a Phase Changing Material Based Photo Voltaic System using Deep Learning, **IEEE**, 2023 International Conference on Artificial Intelligence and Knowledge Discovery in Concurrent Engineering (ICECONF), **DOI:** 10.1109/ICECONF57129.2023.10084115
26. R. Josphineleela , G. Diwakar, T. Senthilnathan , Hanumant aaran Singh, K.R. Senthil Kumar, **M. Anusuya**, Experimental study on the effects of modification with nanoclay on the properties of an SMA mixture, **Elsevier, Materials Today Proceedings**, 2023
27. V. Saravanan , **M. Anusuya** , Cyril O. Ugwuoke , Nnamdi Nwulu , Fabian I. Ezema, Structural, electrical and nonlinear optical characterization of Sn-doped CdO thin film synthesized via spray pyrolysis for optoelectronic applications, **Elsevier, Results in Optics**, 13(2023) 100548
28. V. Samuthira Pandi, B. R. Senthil Kumar, **M Anusuya**, Annu Dagar, Synthesis and Characterization of ZnO, ZnO doped Ag₂O Nanoparticles and its Photocatalytic Activity, **UGC Care - The Scientific Temper** (2023) Vol. 14 (3): 826-833

29. Indradeep Kumar, Manu Kumar Thakur, Surrya Prakash Dillibabu, K.Srinivasulu Reddy, P.Nitish Reddy, **M.Anusuya**, Shubhajit Halder, Thermal Performance Enhancement of Double Pipe Heat Exchangers Using SiO₂ and ZnO Nanoparticles in Engine Oil: An Experimental Study **Nano World Journal - Accepted**

International Conference Proceedings:

DATE	ORGANISED BY	TITLE OF THE CONFERENCE	TITLE OF THE PAPER
26-28, AUG 2006	MADRAS UNIVERSITY, CHENNAI	INTERNATIONAL CONFERENCE ON NANO SCIENCE AND NANO TECHNOLOGY	XRD STUDIES OF MICRO AND NANO CRYSTALLINE THINFILMS
07-09, DEC 2006	SOCIETY OF IONIC DEVICES, ANNA UNIVERSITY, CHENNAI	INTERNATIONAL CONFERENCE ON IONIC DEVICES	CHARACTERISTICS STUDIES OF CADMIUM OXIDE THINFILM FORMED BY SPRAY PYROLYSIS TECHNIQUE
04-06, FEB 2007	NATIONAL INSTITUTE OF TECHNOLOGY, TRICHY	INTERNATIONAL CONFERENCE ON NANO MATERIALS AND ITS APPLICATIONS	MECHANICAL PROPERTIES OF ZEOLITE THIN FILMS
13-14, DEC 2007	COLLEGE OF ENGINEERING, TRIVANDRUM	INTERNATIONAL CONFERENCE ON PRECISION, MESO, MICRO AND NANO ENGINEERING	OPTICAL PROPERTIES OF ZIRCONIUM SULPHIDE DOPED WITH ALUMINIUM THIN FILM FORMED BY SPRAY PYROLYSIS
03-05, JAN 2008	PONDICHERRY ENGINEERING COLLEGE, PUDUCHERRY	INTERNATIONAL CONFERENCE ON NANO AND MICROELECTRONICS	DIELECTRIC PROPERTIES OF ALUMINIUM DOPED ZIRCONIUM SULPHIDE THIN FILMS FORMED BY CONVENTIONAL SPRAY PYROLYSIS

25-28, FEB 2009	PRIST UNIVERSITY, THANJAVUR	INTERNATIONAL CONFERENCE ON PHOTONICS, NANOTECHNOLOGY AND COMPUTER APPLICATIONS	STRUCTURAL AND MECHANICAL STUDIES OF SPRAY PYROLYTICALLY PREPARED ZIRCONIUM DOPED CADMIUM SULPHIDE THIN FILMS
24-27, JULY 2009	INTERNATIONAL ASSOCIATION OF COMPUTER SCIENCE AND INFORMATION TECHNOLOGY, SINGAPORE	INTERNATIONAL CONFERENCE ON MECHANICAL AND ELECTRONICS ENGINEERING	OPTICAL, STRUCTURAL AND MECHANICAL STUDIES OF AI DOPED CdS THIN FILMS
27-28, MAY 2011	E.G.S.PILLAI COLLEGE OF ENGINEERING, NAGAPATTINAM	INTERNATIONAL CONFERENCE ON ADVANCES IN ENGINEERING AND TECHNOLOGY	STUDIES ON NANO CRYSTALLINE ZrO₂ THIN FILMS
6-8, JULY 2011	COIMBATORE INSTITUTE OF TECHNOLOGY, COIMBATORE Jointly with CENTER FOR RESEARCH AND ADVANCED STUDIES OF IPN-MEXICO	INTERNATIONAL CONFERENCE ON NANO SCIENCE AND NANO TECHNOLOGY	PROPERTIES OF NANO CRYSTALLINE CADMIUM OXIDE THIN FILMS BASED ON ANNEALING TEMPERATURE IS PREPARED BY SILAR DEPOSITION TECHNIQUE
20-22, FEB 2012	VELLORE INSTITUTE OF TECHNOLOGY, VELLORE	INTERNATIONAL CONFERENCE ON RECENT TRENDS IN ADVANCED MATERIALS	STRUCTURAL AND OPTICAL PROPERTIES OF MOLARTY BASED ZnO THIN FILMS
15-17, MARCH 2012	SCHOOL OF ELECTRICAL AND ELECTRONCS ENGINEERING, SASTRA UNIVERSITY, THANJAVUR, INDIA	INTERNATIONAL CONFERENCE ON THIN FILMS AND APPLICATIONS	STRUCTURAL AND OPTICAL PROPERTIES OF SPRAY PYROLYTICALLY LITHIUM DOPED LEAD SULPHIDE THIN FILMS
12-13, DECEMBER 2019	CHETTINAD COLLEGE OF ENGINEERING AND TECHNOLOGY, KARUR	INTERNATIONAL CONFERENCE ON NANO MATERIALS	MECHANICAL PROPERTIES ANALYSIS OF THIN FIM NANO MATERIALS

16-19, JANUARY,2020	JSS UNIVERSITY, MYSURU	INTERNATIONAL CONFERENCE ON ADVANCE MATERIALS RESEARCH	MECHANICAL PROPERTIES OF CDS THIN FILMS
26-27, FEBRUARY 2020	ALAGAPPA UNIVERSITY, KARAIKUDI	International conference on Mahatma Gandhi's contributions to Education, Culture and Society,	GANDHI'S ROLE ON WOMEN
9-10, MARCH 2020	BHARATHIDHASAN UNIVERSITY, TRICHY	International Seminar, Women in Various Fields in 21st Century: Gender Gaps in Global Achievements and Opportunities - Strategies and Challenges	WOMEN EMPOWEMENT

National Conference Proceedings:

DATE	ORGANISED BY	TITLE OF THE CONFERENCE	TITLE OF THE PAPER
10-12, AUG 2005	VELLORE INSTITUTE OF TECHNOLOGY, VELLORE	NATIONAL CONFERENCE ON RECENT TRENDS IN MATERIALS SCIENCE AND TECHNOLOGY	A NEW GENERALISED MATHEMATICAL STUDY OF FLOW STRESS IN METALLURGY METALS INFLUENCE OF COATING TECHNIQUES
24-26, AUG 2005	V.V.VANNIAPERUMAL COLLEGE, VIRUDHUNAGAR	NATIONALCONFERENCE ON EMERGING OPPORTUNITIES IN THE FIELD OF ELECTRONICS	PREPARATION AND CHARACTERISTIC STUDY OF Fe DOPED LiO₂ THIN FILM AS A SENSOR
19-20, DEC 2005	SSN COLLEGE OF ENGINEERING,	NATIONAL CONFERENCE ON CRYSTAL GROWTH OF LASER RELATED	STRUCTURAL AND CHARACTERISTICS STUDY OF THIN FILMS

	KALAVAKKAM	MATERIALS	USING XRD AND SEM RESULTS
16-17, FEB 2006	PERIYAR UNIVERSITY, SALEM	NATIONAL CONFERENCE ON RECENT TRENDS IN THIN FILM TECHNOLOGY	LITHIUM DOPED ZIRCONIUM OXIDE THIN FILM AS MOISTURE SENSOR
18-19, AUG 2006	TAMIL UNIVERSITY, THANJAVUR	REGIONAL SEMINAR ON DIGITAL LIBRARIES	A COLLECTIVE INFORMATION OF DIGITAL LIBRARIES
24-25, JAN 2008	NATIONAL INSTITUTE OF TECHNOLOGY, TRICHY	NATIONAL CONFERENCE ON EMERGING MATERIALS AND TECHNOLOGIES FOR INDIA-2020	OPTICAL CHARACTERIZATION AND MICROINDENTATION MEASUREMENTS OF SPRAY PYROLYSIS THIN CdO FILMS
06-07 th MAR 2009	SASTRA UNIVERSITY, THANJAVUR	NATIONAL CONFERENCE ON THIN FILMS AND APPLICATIONS	MICRO HARDNESS STUDIES OF ZIRCONIUM DOPED CADMIUM SULPHIDE THIN FILMS BY SPRAY PYROLYSIS
19-20 th AUG 2011	JAYARAM COLLEGE OF ENGINEERING AND TECHNOLOGY	NATIONAL CONFERENCE ON EMERGING DIMENSION IN RENEWABLE ENERGY AND NANO SCIENCE	-
11 JAN 2012	BISHOP HEBER COLLEGE TRICHY	NATIONAL CONFERENCE ON EMERGING TRENDS IN CHEMISTRY	-
23-24 JAN 2013	CAUVERY COLLEGE FOR WOMEN, TRICHY	NATIONAL CONFERENCE ON MATERIALS SCIENCE AND NANO MATERIALS	PREPARATION AND PROPERTIES OF ANTIMONY DOPED ZIRCONIUM SULPHIDE THIN FILMS
15 MARCH 2013	KONGU NADU COLLEGE OF ENGINEERING AND TECHNOLOGY, TRICHY	NATIONAL CONFERENCE ON SCIENCE AND HUMANITIES	NANO MATERIALS OVER VIEW (KEY NOTE SPEAK)
22-23 APRIL 2013	NATIONAL INSTITUTE OF TECHNOLOGY, TRICHY	NATIONAL CONFERENCE ON CORROSION, SURFACE ENGINEERING AND TRIBOLOGY	SURFACE STUDIES OF ALUMINIUM DOPED CADMIUM SULPHIDE THIN FILMS PREPARED BY SPRAY PYROLYSIS TECHNIQUE
21-22, NOVEMBER 2019	BHARADHIDHASAN UNIVERSITY, TRICHY	STATE LEVEL SEMINAR ON BEST PRACTICES BLOSSOM AS BENCHMARKS	STUDENT SUPPORT AND PROGRESSION (INVITED TALK)

27- 29, JANUARY, 2020	REGIONAL INSTITUTE OF EDUCATION, NCERT, MYSURU	National seminar Innovation and integration in Education of Modern school sciences and Mathematics	IMPORTANT TOOLS AND TRENDS IN TEACHER EDUCATION
13 FEBRUARY, 2020	NATIONAL COLLEGE, TRICHY	UGC sponsored National conference on advanced functional materials(NCAFM2020)	MECHANICAL PROPERTIES OF THIN FILMS (INVITED TALK)

Prizes / Medals/Awards/Honors:

- a. Best Leo Club Advisor in District 324 A2 [From 2004-till the Year]
- b. Best Secretary in Lioness Club District 324 A2 [2007-2008]
- c. Best President in Lioness Club District 324 A2 [2008-2009]
- d. Best District Chairperson of Lioness Club District 324 A2 [2009-2010]
- e. Best Leo Council Member of Leo Clubs District 324 A2 [2009-2010]
- f. Best District Chairperson (Mother's Day Project) of Leo Clubs District 324 A2 [2011-2012]
- g. Best District Chairperson (Cell Phone Usage) of Leo Clubs District 324 A2 [2012-2013]
- h. **“World Record Holder Award 2020”** of Dr.Kalam Vision 2020 – All India National Development – Conference & nonstop 220 hrs continous seminar on 30 different topics organaised by Moral Research and Resource Foundation .
- i. **“Malai Kottai Managarin Mahathana Mahalirgal Award”**- 2021 International women's day celebration of Trichy Rockfort times Magazine
- j. **“WOW Award”** – 2021 International women's day celebration of Red Labs, Trichy
- k. **“WOW Award”** – Women in Science - 2022 International women's day celebration of Naksathara Events, Chennai
- l. **“Thanga Tharagai Virudhu”** – Education & Research – 2023 International Women's day celebration of Indra Ganesan Institutions, Trichy

Membership/Fellowship of professional societies:

- Member of Indian Society of Technical Education [ISTE], New Delhi
- Senior member of International Association of Computer Science and Information Technology [IACSIT], Singapore
- Member of International Forum of Chalcogenides, Romania
- Member of Indian Association of Physics Teachers [IAPT], Kanpure, India
- Member of Regional Association for Women's Studies, Bharathidhasan University, Trichy
- Member of Indian Association for Women's Studies, Pune

Reviewer for Journals / Conferences / Books

- Scientific and Technical Committee and Editorial Board on Journal of Natural and Applied Sciences, **Singapore**
- International Technical Committee of International Conference on Mems, Nano and Smart Systems, **China**, Dec.14-15, 2010
- Reviewer of International Journal of Physical Sciences [IJPS], **Singapore**
- Conference Chair in IACSIT, **Chennai**, [July 2009]
- International Conference on Computing, Communication and Intelligent Systems – **IEEE Conference**, ISBN 978-1-7281-8529-3, 19th-20th February 2021

Editor Role for Journals

Indo-Asian Journal of Multidisciplinary Research (ISSN:2454-1370)

Life Science Archives (ISSN 2454-1354)

Author in Book

1. Engineering Physics I [First Edition-2005]
2. Physics Laboratory Manual [First Edition-2005]

3. Engineering Physics [First Edition- 2022]
4. Introduction to Materials Science and Engineering [First Edition – 2023]

Training Course/Seminar/Workshop Participation

DATE	ORGANISED BY	TITLE OF THE WORKSHOP
02-03, DEC 2004	MOTHER THERESA WOMEN'S UNIVERSITY, KODAIKANAL	MID TERM WORKSHOP AND PUBLIC APPRAISAL FOR RESEARCH SCHOLARS
28, SEP 2005	JAMAL MOHAMED COLLEGE, TRICHY	RECENT ADVANCES IN THIN FILM TECHNOLOGY
25,FEB, 2007	LEO COUNCIL DIST – 324 A2,VEDARANYAM	LEO MEET “KONDATTAM”
29, SEP,2007	TRICHY ENGINEERING COLLEGE, TRICHY	LASERS AND ITS APPLICATIONS
14,OCT 2007	INTERNATIONAL LIONS CLUBS DIST 324 A2	ROAD SAFETY AWARENESS RALLY AND SEMINAR
07-08,DEC 2007	NATIONAL INSTITUTE OF TECHNOLOGY, TRICHY	NATIONAL SEMINAR ON SENSOR AND ITS APPLICATIONS
0 8-20, JUNE 2009	NATIONAL INSTITUTE OF TECHNOLOGY, TRICHY	RECENT TRENDS IN CORROSION CONTROL AND SURFACE ENGINEERING
25, SEP 2009	TRICHY ENGINEERING COLLEGE, TRICHY	LABVIEW SOFTWARE
27-28, FEB 2010	CENTRE FOR NANOSCIENCE AND NANOTECHNOLOGY, SCHOOL OF PHYSICS, BHARATHIDASAN UNIVERSITY, TRICHY	AWARENESS PROGRAMME ON NANOTECHNOLOGY
27-28,MAR 2010	DEPARTMENT OF WOMEN'S STUDIES, BHARATHIDASAN UNIVERSITY, TRICHY	TWO DAY NATIONAL SEMINAR ON SOCIAL ENTERPRENEURSHIP AND CORPORATE SOCIAL RESPONSIBILITY-ROLE IN WOMEN DEVELOPMENT
09-10,APRIL 2010	SCHOOL OF PHYSICS, BHARATHIDASAN UNIVERSITY, TRICHY	WORKSHOP ON RADIOLOGICAL SAFETY FOR MEDICAL PHYSICISTS

JUNE 26-30, 2010	NATIONAL INSTITUTE OF TECHNOLOGY, TRICHY	MEMS AND ITS CAD TOOLS
12-13, NOVEMBER,2010	DIRECTORATE OF TEACHERS RESEARCH AND TRAINING, CHENNAI	WORKSHOP ON DEVELOPMENT OF GEOGRAPHY MAP DRAWING SKILL
13-24 DECEMBER,2010	SARVA SHIKSHA ABHIYAN, PUDUKOTTAI	COMPUTER TRAINING PROGRAMME CONDUCTED BY NIIT-SLS
21 st MAR 2011	TRICHY ENGINEERING COLLEGE, LIPTA, TRICHY	ONE DAY FACULTY DEVELOPMENT PROGRAMME ON CLOUD COMPUTING
4-5 NOV 2011	NATIONAL INSTITUTE OF TECHNOLOGY, TRICHY	BRNS SPONSORED WORKSHOP ON ELECTRON MICROSCOPY
20 FEB 2013	SCHOOL OF PHYSICS, BHARATHIDHASAN UNIVERSITY	A SPECIAL SEMINAR ON RECENT TRENDS IN NOVEL MATERIALS
25-26 MARCH 2013	DEPARTMENT OF NANOSCIENCE AND NANO TECHNOLOGY, ANNA UNIVERSITY, TRICHY	MINI COLLOQUIUM ON NANOFABRICATION TECHNOLOGIES
19 th , OCTOBER 2019	BHARATHIDHASAN UNIVERSITY, TRICHY	WORKSHOP ON MENTAL HEALTH PROMOTION AND WORK LIFE BALANCE
4-5 MARCH 2020	SARANATHAN COLLEGE OF ENGINEERING, TRICHY	WORKSHOP ON NANOSENSORS FOR MEDICAL APPLICATIONS

BOOK CHAPTER

S. No.	Title of the Book	Title of the Chapter	Publication	Status			ISBN No.
				Author	Editor	Reviewer	
1	Electrode Materials for Energy Storage and Conversion	Chemical Spray Pyrolysis Method to Fabricate CdO Thin films for TCO Applications	CRC Press, Taylor&Francis Group	Yes	--	-	9781003 145585
2	Human Growth and Development	Role of Society for Child Socialization Process	Shanlax Publications, Madurai	Yes	-	-	978 93 91373 41 2
3	Professional Ethics in Engineering		AGAR Saliha Publications Salem	-	Yes	-	978 93 91387 27 3
4	Essential Research Methodology	Spectroscopy	Saliha Publications, Salem	Yes	-	-	978 81 948131 9 4
5	Novel Materials for Emerging Applications	-	Shanlax Publications, Madurai	-	Yes	-	978 93 91373 10 8
6.	Recent Innovations in Science, Humanities, Social Science and New Learning Technologies	Gender Equality	JPS Publications , India	Yes	-	-	978 93 91342 18 0
7	Advances in Science, Technology and Innovations	-	Shanlax Publications, Madurai	-	-	-	978 93 93737 595
8	Digigogy Designing a Revolution in Education	-	Shanlax Publications, Madurai	-	Yes	-	978 93 93737 083
9	Role of Graphene Oxide in Enhancing Performance of Energy storage Devices	Role of Graphene Oxide in Enhancing Performance of Energy storage	CRC Press, Taylor & Francis Group	Yes	-	-	9781003 215196

		Devices					
10	Role of Graphene Oxide in Enhancing Performance of Energy storage Devices	Graphene – An Energy Storage Material	CRC Press, Taylor&Francis Group	Yes	-	-	9781003215196
11	UG Engineering Physics (Introduction to Electromagnetic Theory) (AICTE)	-	Sri Kanna Publishing House New Delhi	-	-	Yes	9789391505752
12	UG Engineering Physics – Introduction to Mechanics (AICTE)	-	Sri Kanna Publishing House New Delhi	-	-	Yes	9789391505769
13	Materials for Sustainable storage devices at the Nanoscale	-	Taylor and Francis – CRC Press		Yes		9781032405438
14	Sustainable Utilization of Nanoparticles and Nanofluids in Engineering Applications	Internet of Things and Artificial Intelligence -Integrated Nano-Materials Research	IGI Global Publishing Research	Yes			9781668491355
16	Current Trends in Health Care And Monitoring	Approved Metal Nano particles as Nano carriers Based Nano Medicine in clinical use	ESN Publications, Virudhunagar	Yes			9789395196772

Other activities/Responsibilities:

- Participation of Tamil speech competition in College level and State level.
- Participation of NSS and NCC Camp in School and State level.
- Master of Ceremony for many programmes in College level.
- Participation of Tamil Orator competition in Akila Bharathiya Vidhyrthi Parisath.
- Leo club advisor in Trichy Engineering College [2003-till date]
- Secretary in Lioness Club of Srirangam, District 324 A2 [2006-2007]

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- Vice president in Lioness Club of Srirangam, District 324 A2 [2007-2008]
 - President in Lioness Club of Srirangam, District 324 A2 [2008-2009]
 - District Chairperson of Lioness clubs International, 324 A2 [2009-2010]
 - Leo Council secretary of LEO Clubs International, 324 A2 [2009-2010]
 - Leo District Chairperson of Leo clubs International, 324 A2 [2009-2010]
 - Lioness District Chairperson of Lioness council, 324 A2 [2011.2012]
 - Lioness District Chairperson of Lioness council, 324 A2 [2012-.2013]
 - Classes handling 9th std to 12th in TIME Institute on Week end

Invited Talk

1. **Invited Speaker** on National Conference on Science and Humanities conducted by Kongu Nadu College of Engineering and Technology, Trichy [March 2013]
2. **Invited Speaker** on International Conference on Advanced Nano Materials conducted by Chettinadu College of Engineering and Technology, Karur [12/12/19 & 13/12/19]
3. **Invited Speaker** on International Conference on Materials research conducted by, JSS University, Mysuru [17/1/20 & 19/1/20]
4. **Invited Speaker** on National seminar Innovation and integration in Education of Modern school sciences and Mathematics conducted by Regional Institute of Education, National council of Educational Research and Training, Mysuru [27/1/20 & 29/1/20]
5. **Invited Speaker** on UGC sponsored National conference on Advanced Functional Materials, National College, Trichy [13/2/2020]
6. **Invited Speaker** on International conference on Mahatma Gandhi's contributions to Education, Culture and Society, Alagappa university, Karaikudi [26/2/2020 & 27/2/2020]
7. **Invited Speaker** on International Seminar, Women in Various Fields in 21st Century: Gender Gaps in Global Achievements and Opportunities - Strategies and Challenges, Bharathidhasan University, Trichy[9/3/2020 & 10/3/2020]

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8. **Invited Speaker** on Workshop, Nanosensors for Medical Applications, Saranathan College of Engineering, Trichy[4/3/2020 & 5/3/2020]
 9. **Invited Speaker** on International Women's day celebrations conducted by Indra Ganesan College of Education, Trichy[8/3/21]
 10. **Invited Speaker** on National science day celebrations conducted by Seethalakshmi Ramasamy College, Trichy [3/3/21]
 11. **Invited Speaker** on Women Entrepreneurship Development Programme Sponsored by DST, New Delhi conducted by Cauvery College, Trichy [6/2/21]
 12. **Invited Speaker** on Short Term Training Programme for Teachers, Sponsored by AICTE, New Delhi conducted by Indra Ganesan college of Engineering, Trichy [27/2/21]
 13. **Invited Speaker** on One day National Seminar on Recent Trends in Nano Material Science sponsored by TNSCST, Chennai organized by Indra Ganesan College of Engineering, Trichy [18/3/21]
 14. **Invited Speaker** on Students Inducation Programme conducted by PSNA College of Engineering and Technology, Dindugul, Tamilnadu [11/11/21]
 15. **Invited Speaker** on National Education Day celebration conducted by Indra Ganesan college of Arts and Science, Trichy, Tamilnadu [12/11/21].
 16. **Invited Speaker** on International Conference on Nano Materials and Engineering, Thailand in online [15/11/21]
 17. **Invited Speaker** on Two Days Online Programme on Entreprenurship Development conducted by Valluvar College of Science and Business Administration, Karur, Tamilnadu [4/2/22]
 18. **Invited Speaker** on offline Sciece Day Celebration conducted by Valluvar College of Science and Business Administration, Karur, Tamilnadu [28/2/22 FN]
 19. **Invited Speaker** on offline Sciece Day Celebration conducted by Chettinadu Engineering and Technology, Karur, Tamilndu [28/2/22 AN]
 20. **Invited Speaker** on online National Science Day celebration conducted by CBK Innovative Minds, Mumbai, [5/3/22]

21. **Invited Speaker** on online conducted by TNSCST and DST celebrates Vigyan Utsav
–S&T in Women and Women for S&T, [10/3/22]

FUNDING PROJECTS DETAILS

S. No.	Project Agency	Project Title	Status				Project Cost Rs
			Applied	Under Review	Sanctioned	Completed	
1	National Commission for Women New Delhi	Legal Awareness Programme	-	-	Yes	Yes 07/01/2020	90,000/-
2.	Patent Office, Chennai	IPR Awareness Programme	-	-	Yes	Yes 1/11/2019	15,000/-
3	Central Bank of India	Founders day Celebration	-	-	Yes	Yes 21/12/2019	Total Programme cost 10000/-
4	EDII-TN	Entrepreneurship Awareness Programme	-	-	Yes	Yes 29/1/2021	1500/-
5.	AICTE	Short Term Training Programme for Teachers	-	-	Yes	Yes 8/2/2021 to 13/3/2021	2,99,333/-
6	TNSCST	National Seminar on Recent Trends in Nano Material Science	-	-	Yes	Yes 18/3/2021	15,000/-
7	AICTE	MODROB-Nano Material and Thin Film Research Lab	-	-	Yes	On Going	19 LAC
8	AICTE	International Conference on Material Science	-	Yes 2020-21	-	-	3 LAC
9	AICTE	SPICES	-	Yes 2020-21	-	-	2 LAC
10	TNSCST	National Seminar on Women Empowerment	-	Yes 2019-20	-	-	60,000/-
11	TNSCST	Six days Workshop on Self Employment for Rural Youths	-	Yes 2020-21	-	-	1,20,000
12	TNSCST	Solar cell applications of Cadmium Oxide thin films	-	Yes 2019-20	-	-	5 LAC
13	TNSCST	National Seminar on Innovation in Education of Modern School sciences for Teacher Training Students	-	Yes 2019-20	-	-	63,000/-
14	TNSCST	Solar cell applications of Cadmium Sulphide	-	Yes 2020-21	-	-	10 LAC

		thin films					
15	DST	One Week Training Programme on Entrepreneurship	-	Yes 2020-21	-	-	2 LAC
16	DST –Accelerate Vigyan	One week High End Workshop on College students – Nano Material Science	-	Yes 2019-20	-	-	2,50,000/-
17	DST	One Week Training Programme on Entrepreneurship	-	Yes 2021-22	-	-	2,40,000/-
12	SERB	SUPRA- Solar cell fabrications	-	Yes 2020-21	-	-	1,31,50,000/-
13	SERB	Power Grant	-	Yes 2020-21	-	-	21,15,000/-
14	CSIR	One week workshop on Photovoltaic devices	-	Yes 2020-21	-	-	2,50,000/-
15	MSME DI Chennai	Business Incubator	-	Yes 2019-20	Physical verification completed	-	1 Crore
16	MSME DI Chennai	Host Instituion – Awareness Programme on MSME	-	Yes 2019-20	-	-	1.24,000/-
17	AICTE	Vidhiyanjali Volunteer Programme	-	-	Yes 2021-22	-	Guest faculty
18	AICTE	Reviewer of Regional Languages book UG Physics - 2	-	-	Yes 2020-21	Yes	50000/-
19	TNSHE	Inthiya Mozhi Puthinangalil Thupuravu Thozhilalargal	-	Yes 2020-21	-	-	1,80,000/-
20	TNSHE	Geo Gebra and Latex in Mathematics	-	Yes 2021-22	-	-	1,04,000/-
21	TNSHE	Post-Colonial Indian Writing in English literature and Nationalism	-	Yes 2021-22	-	-	1,04,000/-
22	TNSHE	The emerging role of artificial intelligence in commerce	-	Yes 2021-22	-	-	1,04,000/-
23	ANNA UNIVERSITY-CFD	FDP in Engineering Physics	-	-	Yes 2020-21	Yes	30,000/-
24	AICTE – ATAL FDP	Recent Trends in Thin film and Nanomaterials	-	Yes 2023-24	-	-	3,50,000/-

CONSULTANCY PROJECT

S. No.	Consultancy	Exam Name	Date	Venue Cost Rs.
1	NSEIT	Project III	MARCH 2020	4,660/-
2	PANGEA	TNFUSRC	MARCH 2020	14,200/-
3	NTA	NEET	SEP 2020	81,925/-
4	SCOPE	IPATE	NOV 2020	9,000/-
5	PANGEA	NATA	AUG 2020	11750/-
6	PANGEA	JAIIB	DEC 2020	11,500/-
7	PANGEA	JAIIB	DEC 2020	13,452/-
8	PANGEA	JAIIB	DEC 2020	13,690/-
9	SCOPE	SCOPE	JAN 2021	4,000/-
10	AICTE	STTP	FEB-MAR 2021	2,04,000/-
11	TNSCST	SEMINAR	MARCH 21	30,177/-
12	GINGER	NATA	JULY 2021	5,200/-
13	GINGER	DAMS	AUG 2021	1,250/-
14	GINGER	NATA	SEP 2021	6,000/-
15	SIFY	JAIIB	AUG-SEP 2021	39,320/-
16	TCS	SASTRA	JAN-FEB 2021	80,864/-
17	TCS	NPTTEL	MAR 2021	12,088/-
18	EDUTET	AIIMA	SEP 2021	1,400/-
19	SCOPE	iPATE	OCT 2021	2,510/-
20	SAI EDU	DAMS	OCT 2021	800/-
21	NTA	NEET	SEP 2021	88,860/-
22	NSEIT	Project III	SEP 2021	6,650/-
23	APTECH	UGC-NET	NOV-DEC 2021	1,06,375/-
24	NSEIT	TRB-POLYTECHNIC	DEC 2021	19,850/-
25	NSEIT	TRB-PG	FEB 2022	1,00,000/-
26	SIFY	JAIIB	FEB, MAR 2022	23485/-
27	C2Xplorere	ABHYASS	APRIL 2022	17,000/-
28	NTA GAT	APTECH	APRIL 2022	13420/-
29	C2Xplorere	ABHYASS	MAY 2022	12600/-
30	SAI EDU	ASRB	MAY 2022	14500/-
31	C2Xplorere	ABHYASS	MAY 2022	13000/-
32	TCS ION	PG NEET	MAY 2022	11520/-

PATENT DETAILS

S. No.	Title of the Patent	Application No.	Status		Remarks
			Filed	Grant - Exam Under Review	
1	The smart Network Optimization Technique to Retrieve Data over cloud by Uploading the Related Images	202141001093	Yes	Yes	Indian
2	An Automated Embedded System Based Cloth Pressing Techniques	202141008637	Yes	Yes	Indian
3	IOT Based Real Time Health Care system Enabled by Wearable Sensor Network	202111002807	Yes	Yes	Indian
4	Vehicle to Vehicle Interactive Induction Charging for E-Mobility	202241006662	Yes	Yes	Indian
5	A Smart Vehicle running by Renewable Energy sources	202241014136	Yes	Yes	Indian
6	Wire Twisting Machine Tool	362217-001	Yes	Yes	Indian – Design
7	Deep Learning Based Techniques integrated with Nanotechnology Approach to study the effect of topical creams for treating Blood Cancer nodes	202241047319	Yes	Yes	Indian
8	Techniques of Green fabrication of stable lead free Bismuth based Perovskite Solar cells using a	202341003877	Yes	Yes	Indian

	Non Toxic Sovent				
9	Analysing the Impact of Copper and Bismuth Incorporated cation Perovskite Solar cells by one step Solution	202311004699 A	Yes	Yes	Indian
10	A Language learning system with interactive Real time feedback	202341037862	Yes	Yes	Indian
11	Development of Solar cum Human powered Afro Vehicle	202341034263	Yes	Yes	Indian
12	Analysis of the impact of Bismuth Ferrite Perovskite based advanced Nanomaterials with state of the art Photocatalytic performance in water clean up through Deep learning	202311054377	Yes	Yes	Indian
13	IoT Enabled Robot for UV-C Disinfection	6296264	Yes	Yes	Indian - Design
14	New Copper Catalysts High Efficiency Click Chemistry Reactions	202341066666	Yes	Yes	
15	Nanostructured Materials constructed Using click Chemistry Techniques	202341077551	Yes	Yes	

PROGRAMME ORGANISED

S. No.	Programme Details	Organised
1	Webinar	More than 250
2	Offline	More than 50
3	Faculty Development Programme	40
4	Short Term Training Programme	30
5	National Seminar	35
6	Workshop	28

PERSONAL DETAILS

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.Declaration:

I here by declare that the information furnished above is true to the best of my knowledge and belief

Place: Trichy

Signature

Date:

(M. ANUSUYA)

