

Qualification

Degree	Branch	Institution / University	Year of Passing
Ph.D	Physics	Bharathidasan University	2018
M.Phil Physics		Bharathidasan University	1997
M.Sc	Physics	Bharathidasan University	1990
B.Sc	Physics	Madras University	1987

Ph.D. Details

Title of Thesis	Area of Specialization	Year of Award
DIELECTRIC DISPERSION, INTERFACIAL PROPERTIES AND SPECTRAL CHARACTERIZATION OF POLYMERS WITH POLAR AND NON POLAR INTERACTION IN COMPLEX SYSTEM	Dielectrics and Ferroelectrics	April 2018
Research Supervisor Dr. T. CANESH, M.Sc., M.Phil., Ph.D., P.G. and Research Department of Physics Rajah Serfoji Government College (Autonomous) (Reaccredited at the 'A' Level by NAAC) Thanjavur – 613 005	Research Centre	

Cleared NET / SET :	Details	Year of Passing
	No	

Additional Qualification

Name of Course	Place of Study	Date	Duration
PGDCA	Bharathidasan University	1992	

Work Experience

Name of Institution	Address of Institution	Designation	From	To
BISHOP HEBER COLLEGE	Puthur, Trichy	ASSISTANT PROFESSOR	08.10.2006	till date
BISHOP HEBER COLLEGE	Puthur, Trichy	Teacher, PG Assistant		
Tamil Nadu Agricultural University	Kumalur, Lalgudi, Tiruchirapalli	10.A.1 Lecturer	10.06.90	29.07.91
St Peters Hr Sec School	North Temple Street, Thanjavur	P. G Asst in Physics	02.06.2006	18.07.2007
St. Johans A. I Vestry School	Contonment Trichy 620001	B T Asst Science	20.12.2005	01.06.2006
St Johns Vestry A I Hr Sec School	Cantonment Tiruchyrappalli - 1	B. T Asst in Science	20-12-1996	09-06-1998

Teaching / Research Experience

U.G. : 15 P.G. : 13 M.Phil. : 12 Ph.D. :

Research Guidance

U.G. : 5 P.G. : 20 M.Phil. : Ph.D. :

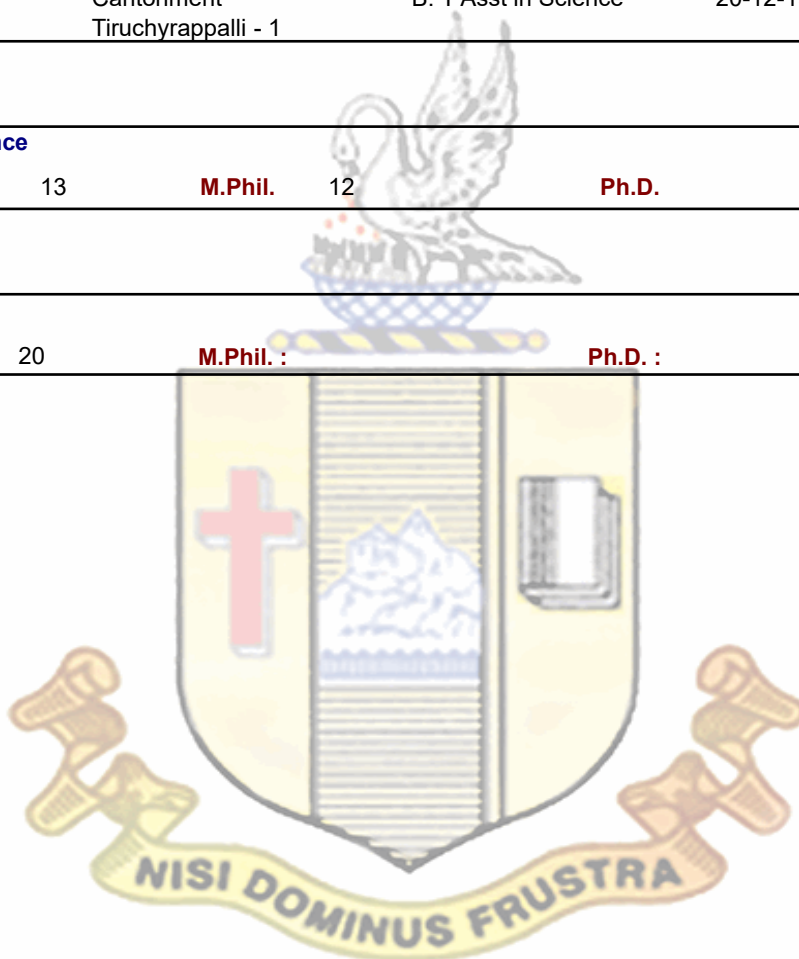


Table of Contents

1.	Conferences / workshops / Seminars Attended	5
2.	Research Papers Presented	13
3.	Publication in Journals	8
4.	Publication in Books	0
5.	Books Published / Edited	0
6.	Conferences / Workshops / Seminars Organised	1
7.	Research Projects	0
8.	Resource Person	6
9.	Consultancy	0
10.	Awards Recieved	0
11.	Patent	0
12.	Extension Activities Undertaken	0
13.	Professional Membership	0
14.	M.Phil. / Ph.D. Produced	0 / 0

1. International level Conference on **"International Conference on Technologically Advanced Materials & Asian Meeting on Ferroelectricity"** sponsored by Society for Technologically Advanced Materials of India and University of Delhi organized by Society for Technologically Advanced Materials of India and University of Delhi at Delhi during 07/11/2016 to 11/11/2016.
2. International level Conference on **"International Conference On Recent Advances in Applied Sciences ICRAAS 2016"** sponsored by Science and Humanities Association, St.Peter's Institute of Higher Education and Research, St.Peter's University organized by Science and Humanities Association, St.Peter's Institute of Higher Education and Research, St.Peter's University at Chennai, INDIA during 11/02/2016 to 11/02/2016.
3. International level Conference on **"First International Conference On Advanced Materials for Power Engineering, (ICAMPE 2015)."** sponsored by Centre for Nanoscience and Nanotechnology (IIUCNN) Mahatma Gandhi University, P.D Hills P.O, Kottayam, Kerala, India Centre for Nanoscience and Nanotechnology (IIUCNN) Mahatma Gandhi University, organized by Centre for Nanoscience and Nanotechnology (IIUCNN) Mahatma Gandhi University, P.D Hills P.O, Kottayam, Kerala, India Centre for Nanoscience and Nanotechnology (IIUCNN) Mahatma Gandhi University, at P.D Hills P.O, Kottayam, Kerala, India during 11/12/2015 to 13/12/2015.
4. International level Conference on **"2nd International Conference on Advanced Functional Materials"** sponsored by CSIR – National Institute for Interdisciplinary Science and Technology organized by CSIR – National Institute for Interdisciplinary Science and Technology at Thiruvananthapuram during 19/02/2014 to 21/02/2014.
5. National level Conference on **"National Conference on Perspectives in Laser, Optics, Spectroscopy & Nano Science, (NCLOS-2011)"** sponsored by UGC organized by PG & Research Department of Physics, Bishop Heber College at Trichy during 14/02/2011 to 14/02/2011.



1. **"Dielectric Dispersion and Correlation in Polymer-Surfactant Interaction Using Picosecond Time Domain Reflectometry"** in the Select conference on *International Conference on Technologically Advanced Materials & Asian Meeting on Ferroelectricity* sponsored by , organized by Society for Technologically Advanced Materials of India and University of Delhi at University of Delhi, Delhi during 07/11/2016 to 11/11/2016.
2. **"Dielectric Relaxation and Molecular Interaction Studies of PEG and Non-Polar Solvents with Alcohol Complex System"** in the National conference on *2nd National Conference on Nanophotonics* sponsored by , organized by Bharathidasan University, at Trichy during 18/03/2016 to 19/03/2016.
3. **"Spectral analysis and Molecular structural of PEG in various solvent environment at different temperature."** in the International conference on *International Conference On Recent Advances in Applied Sciences ICRAAS 2016* sponsored by Science and Humanities Association, organized by St.Peter's Institute of Higher Education and Research at St.Peter's University, Avadi, Chennai, INDIA during 11/02/2016 to 13/02/2016.
4. **"FTIR And Time Domain Dielectric Dispersion Studies of Polar Polymer Solutions."** in the International conference on *International Conference On Recent Advances in Applied Sciences ICRAAS 2016* sponsored by Science and Humanities Association, organized by St.Peter's Institute of Higher Education and Research at St.Peter's University, Avadi, Chennai, INDIA during 11/02/2016 to 13/02/2016.
5. **"Dielectric Relaxation and Molecular Interaction Studies and Non-Polar with Alcohol Complex System"** in the International conference on *First International Conference On Advanced Materials for Power Engineering, (ICAMPE 2015)*. sponsored by International and inter University, Centre for Nanoscience and Nanotechnology (IIUCNN), organized by Mahatma Gandhi University at P.D Hills P.O, Kottayam, Kerala, India, during 11/12/2015 to 13/12/2015.
6. **"Molecular interaction studies of amino acid in aqueous solution in GHz Frequency solvent"** in the National conference on *2nd National Conference on Materials for Modern World (NCMMW-2015)* sponsored by , organized by Department of Physics, Easwari Engineering College, at Ramapuram, Chennai-600 089. Tamil Nadu, India during 28/09/2015 to 29/09/2015.
7. **"Dielectric Dispersion Analysis of Saturated Fatty Acid with non-polar"** in the National conference on *2nd National Conference on Materials for Modern World (NCMMW-2015)* sponsored by , organized by Department of Physics, Easwari Engineering College at Ramapuram, Chennai-600 089. Tamil Nadu, India during 28/09/2015 to 29/09/2015.
8. **"Molecular interaction and Dielectric Relaxation in Ternary Mixtures of PEG with Non-polar Solvents in GHz Frequency Range"** in the National conference on *National Conference on Recent Trends in Nano Materials and Thin Films Research(RTNMTR-2015)* sponsored by , organized by A.V.V.M. Sri Pushpam College at Poondi during 03/03/2015 to 04/03/2015.
9. **"Conductivity and Dielectric Properties of PVA-Water Mixture Using Time Domain Reflectometry,"** in the International conference on *2nd International Conference on Advanced Functional Materials by CSIR* sponsored by , organized by National Institute for Interdisciplinary Science and Technology, at Thiruvananthapuram, India during 19/02/2014 to 21/02/2014.
10. **"Dielectric Relaxation and Molecular Interaction of Polymer Solute-Solvent Mixtures"** in the National conference on *National Conference on Frontier Topics in Advanced Materials (NCFTAM'13)* sponsored by , organized by Bishop Heber College at Trichy during 11/03/2013 to 11/03/2013.
11. **"Dielectric Relaxation in PEG with non polar solvents using TDR Technique"** in the National conference on sponsored by , organized by Siksha 'O' Anusandhan University at Bhubaneswar, Odisha during 17/12/2012 to 19/12/2012.
12. **"Dielectric Relaxation and Dipole Moment studies of primary Alcohols with Benzene"** in the National conference on *National Conference on Recent Advances in Materials and Technology (NCRAMAT-2012)* sponsored by , organized by Sathyabama University at Chennai during 06/01/2012 to 01/01/1900.

13. **"Dielectric Study of (NTC) Thermistor and their Characterization"** in the National conference on sponsored by , organized by Bishop Heber College at Trichy during 14/02/2011 to 01/01/1900.

Publication in Journals - 8

1. **"Dielectric dispersion and thermodynamic behavior of stearic acid binary mixtures"** published in Journal of Advanced Dielectrics (PEER REVIEW) Vol. 7, Issue No. 4, August 2017 ISSN : ---.
2. **"Dielectric Relaxation of Thermodynamic effect on Amphiphilics in Solution State using Time Domain Technique"** published in Journal of Solution Chemistry (PEER REVIEW) Vol. , Issue No. , January 2017 ISSN : ---.
3. **"Dielectric Dispersion and Molecular Interaction in Polymer (PVA)-Surfactant (SDS) mixtures using picosecond time domain reflectometry"** published in Journal of Molecular Liquids (PEER REVIEW) Vol. , Issue No. 224, January 2016 ISSN : ---.
4. **"Dielectric Relaxation And Molecular Interaction Studies Of PEG With Non-Polar Solvents Using TDR Technique"** published in Journal of Applied Physics ,International Organisation Scientific Research (PEER REVIEW) Vol. 7, Issue No. , January 2015 ISSN : ---.
5. **"Time domain dielectric relaxation studies of amphiphilics in solution state"** published in Journal of Molecular Liquids (PEER REVIEW) Vol. 194, Issue No. , January 2014 ISSN : ---.
6. **"Microwave Dielectric Relaxation of Alcohols in non polar solutions, Organisation Scientific Research"** published in Journal of Applied Physics ,International Organisation Scientific Research (PEER REVIEW) Vol. 06, Issue No. , January 2014 ISSN : ---.
7. **"Dielectric properties and analysis of H-bonded interaction study in complex systems of binary and ternary mixtures of polyvinyl alcohol with water and DMSO"** published in Fluid Phase Equilibria (PEER REVIEW) Vol. 382, Issue No. , January 2014 ISSN : ---.
8. **"Dielectric dispersion, relaxation and molecular interaction of pyrazine binary mixtures"** published in Journal of Physics Communications (PEER REVIEW) Vol. Accepted, Issue No. , January 1900 ISSN : ---.

Conferences / Workshops / Seminars Organised - 1

1. International level Conference Entitled **"International Conference on Material Physics"** at Bishop Heber College, Trichy, sponsored by UGC, during 29/01/2018 to 01/01/1900.

1. National level Workshop on **"Environmental auditing and waste auditing"** at University of Kerala, 23/02/2018.
2. State level Workshop on **"Save Our Earth"** at Auxilium College,Vellore, 08/10/2016.
3. State level Workshop on **"Environment and Energy Audit"** at Jacob Memorial College, Ottanchathram, 06/08/2016.
4. National level Workshop on **"Service – Learning in environment"** at Auxilium College, Vellore, 18/06/2016.
5. State level Workshop on **"Service – Learning in environment and Energy Audit"** at Nirmala College, Coimbatore, 12/12/2015.
6. National level Workshop on **"Environmental Audit for Sustainable Development"** at Sacred Heart College, Tirupattur, 29/10/2015.



Signature of Staff
(D.J.S.ANANDKARUNAKARAN)