

## Dr.M.MARIASYLVESTER

Associate Professor,  
Department of Physics,  
Bishop Heber College,  
Tiruchirappalli - 17.

E-mail : sylvestermartin@yahoo.com

Phone : 9443644859

Web:

### Qualification

Degree	Branch	Institution / University	Year of Passing
M.Phil	Physics	Bharathidasan University	June 2004
Ph.D	Physics	Bharathidasan University	April 2016
M.SC	Physics	Bharathidasan University	April 1994
B.SC	Physics	Bharathidasan University	April 1991

### Ph.D. Details

Title of Thesis		Area of Specialization	
Time Domain Reflectometry Studies of Dielectrics In Solution State		Dielectric and Ferro Electric	
Research Supervisor	Research Centre	Year of Award	
Dr.T.Ganesh	Rajah Serfoji Government College, Thanjavur	April 2016	

### Additional Qualification

Name of Course	Place of Study	Date	Duration
B.ED	Annamalai University	January 1995	One

### Work Experience

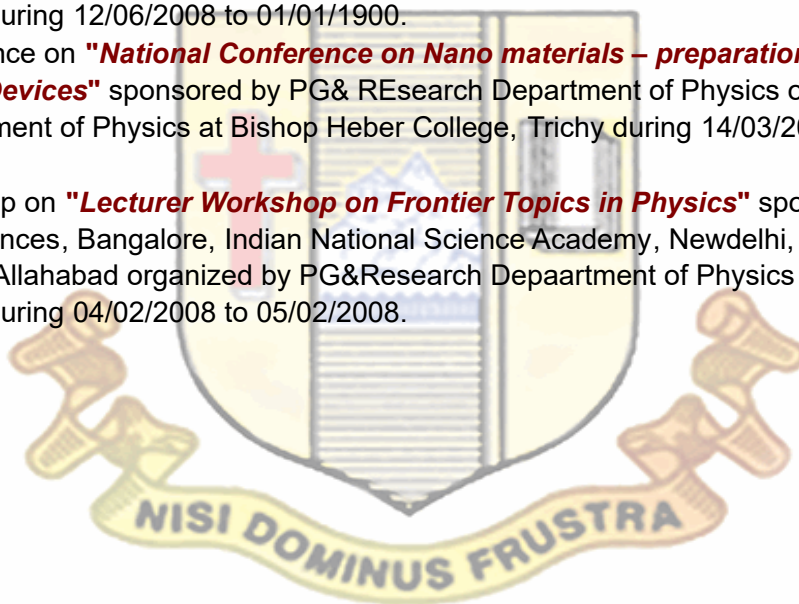
Name of Institution	Address of Institution	Designation	From	To
National College, Trichy	National College, Trichy	Lecturer	June 1999	September 2000
Christhuraj College, Trichy	Christhuraj College, Trichy	Lecturer	June 2002	September 2005
Bishop Heber College, Trichy	Bishop Heber College, Trichy 17	Assitant Professor	Semptember 2005	Till date

**Teaching / Research Experience****U.G. :** 17 Years**P.G. :** 15 Years**M.Phil.** 6 Years**Ph.D.****Research Guidance****U.G. :****P.G. :** 20**M.Phil. :** 6**Ph.D. :****Table of Contents**

1.	<b>Conferences / workshops / Seminars Attended</b>	<b>22</b>
2.	<b>Research Papers Presented</b>	<b>6</b>
3.	<b>Publication in Journals</b>	<b>11</b>
4.	<b>Publication in Books</b>	<b>0</b>
5.	<b>Books Published / Edited</b>	<b>0</b>
6.	<b>Conferences / Workshops / Seminars Organised</b>	<b>0</b>
7.	<b>Research Projects</b>	<b>0</b>
8.	<b>Resource Person</b>	<b>0</b>
9.	<b>Consultancy</b>	<b>0</b>
10.	<b>Awards Recieved</b>	<b>1</b>
11.	<b>Patent</b>	<b>0</b>
12.	<b>Extension Activities Undertaken</b>	<b>0</b>
13.	<b>Professional Membership</b>	<b>0</b>
14.	<b>M.Phil. / Ph.D. Produced</b>	<b>0 / 0</b>

1. National level Conference on **"National e-Conference on Advances in Mathematics and Physics"** sponsored by SHRI DATTA ARTS, COMMERCE AND SCIENCE COLLEGE organized by SHRI DATTA ARTS, COMMERCE AND SCIENCE COLLEGE at Nanded during 12/05/2021 to 12/05/2021.
2. -1 level Conference on **"DBT-Sponsored Workshop"** sponsored by DBT-Sponsored Workshop organized by Bishop Heber College, Tiruchirappalli at Bishop Heber College, Tiruchirappalli during 21/11/2016 to 01/01/1900.
3. International level Conference on **"International Conference on Technology Advanced Materials & Asian Meeting on Ferroelectricity (ICTAM-AMF 10)"** sponsored by University of Delhi Delhi organized by University of Delhi Delhi at University of Delhi Delhi during 07/11/2016 to 01/01/1900.
4. International level Conference on **"International Conference on Recent Advances in Applied Sciences. (ICRAAS 2016)"** sponsored by St. Peter's University, Chennai, organized by St. Peter's University, Chennai, at St. Peter's University, Chennai, during 18/02/2016 to 01/01/1900.
5. International level Conference on **"First International Conference on Advanced Materials for Power Engineering"** sponsored by Mahatma Gandhi University, Kottayam organized by Mahatma Gandhi University, Kottayam at Mahatma Gandhi University, Kottayam during 11/12/2015 to 01/01/1900.
6. National level Conference on **"2nd National Conference on materials for modern world(NCMMW-2015)"** sponsored by Easwari Engineering College, Ramapuram, Chennai. organized by Easwari Engineering College, Ramapuram, Chennai. at Easwari Engineering College, Ramapuram, Chennai. during 28/09/2015 to 01/01/1900.
7. National level Conference on **"National Conference on Recent Trends In Nano Materials and Thin Films Research(RTNMTR-2015)"** sponsored by A.V.V.M. Sri Pushpam College, Poondi, Thanjavur(Dt) organized by A.V.V.M. Sri Pushpam College, Poondi, Thanjavur(Dt) at A.V.V.M. Sri Pushpam College, Poondi, Thanjavur(Dt) during 03/03/2015 to 01/01/1900.
8. National level Conference on **"National Conference of Nanophotonics"** sponsored by School of Physics, Bharathidasan University, Tiruchirappalli organized by School of Physics, Bharathidasan University, Tiruchirappalli at School of Physics, Bharathidasan University, Tiruchirappalli during 06/03/2014 to 01/01/1900.
9. International level Conference on **"2nd international Conference on Advanced Functional materials"** sponsored by CSIR organized by CSIR-National Institute for Interdisciplinary Science & Technology, Thiruvananthapuram at CSIR-National Institute for Interdisciplinary Science & Technology, Thiruvananthapuram during 19/02/2014 to 01/01/1900.
10. State level Workshop on **"Workshop on Nano and Thin Film Materials-2012"** sponsored by PG&Research Department of Physics organized by PG&Research Department of Physics at Rajah Serfoji Government College (Autonomous), Thanjavur during 28/10/2012 to 28/10/2012.
11. State level Seminar on **"Seminar on Recent Trends in Physics Research – A New Perspective"** sponsored by PG&Research Department of Physics organized by PG&Research Department of Physics at Rajah Serfoji Govt, College, Tanjavur, during 09/03/2012 to 09/03/2012.
12. -1 level Conference on **"Capacity Building Programme"** sponsored by Bishop Heber College, Tiruchirappalli organized by Bishop Heber College, Tiruchirappalli at Bishop Heber College, Tiruchirappalli during 25/02/2012 to 25/02/2012.
13. National level Seminar on **"17th National Seminar on Ferroelectrics and Dielectrics (XVII NSFD – 2012)"** sponsored by Siksha'O' Anusandhan University, Bhubaneswar, Odisha organized by Siksha'O' Anusandhan University, Bhubaneswar, Odisha at Siksha'O' Anusandhan University, Bhubaneswar, Odisha during 17/01/2012 to 01/01/1900.
14. National level Conference on **"National Conference on Recent Advances in Materials & Technology"** sponsored by Sathyabama university Chennai organized by Sathyabama university Chennai at Sathyabama university Chennai during 06/01/2012 to 01/01/1900.

15. -1 level Workshop on **"Examination reforms & Evaluation"** sponsored by Bishop Heber College, Trichy organized by Bishop Heber College, Trichy at Bishop Heber College, Trichy during 18/03/2011 to 19/03/2011.
16. National level Workshop on **"Curriculum Development and Evaluation"** sponsored by Bishop Heber College, Trichy organized by Bishop Heber College, Trichy at Bishop Heber College, Trichy during 09/03/2011 to 01/01/1900.
17. National level Conference on **"National Conference on Perspectives in Laser, Optics, Spectroscopy and Nano Science"** sponsored by PG&Research Department of Physics organized by PG&Research Department of Physics at Bishop Heber College, Trichirapalli during 14/02/2011 to 14/02/2011.
18. International level Workshop on **"Indo-US Workshop on Nanosonics and Ultrasonics (IUWONU-2011) & International Conference on Nano-technology and Ultrasound (ICNU-2011)"** sponsored by St.Joseph's College (Autonomous), Tiruchirapalli organized by St.Joseph's College (Autonomous), Tiruchirapalli at St.Joseph's College (Autonomous), Tiruchirapalli during 12/01/2011 to 14/01/2011.
19. National level Conference on **"National Conference on Recent Advancements in Chemistry"** sponsored by Bishop Heber College, Trichy organized by Bishop Heber College, Trichy at Bishop Heber College, Trichy during 18/09/2009 to 18/09/2009.
20. State level Workshop on **"Orientation Workshop on Faculty Development Programme"** sponsored by Bishop Heber College, Trichy organized by Bishop Heber College, Trichy at Bishop Heber College, Trichy during 12/06/2008 to 01/01/1900.
21. National level Conference on **"National Conference on Nano materials – preparation, characterization and Devices"** sponsored by PG& REsearch Department of Physics organized by PG& REsearch Department of Physics at Bishop Heber College, Trichy during 14/03/2008 to 14/03/2008.
22. National level Workshop on **"Lecturer Workshop on Frontier Topics in Physics"** sponsored by Indian Academy of Sciences, Bangalore, Indian National Science Academy, Newdelhi, National Academy of Sciences, Allahabad organized by PG&Research Depaartment of Physics at Bishop Heber College, Trichy during 04/02/2008 to 05/02/2008.





1. **"Temperature Dependent Dielectric Relaxation of Amphiphilics in Solution State Using Picosecond Time Domain Technique"** in the International conference on *International Conference on Technology Advanced Materials & Asian Meeting on Ferroelectricity (ICTAM-AMF 10)* sponsored by , organized by University of Delhi Delhi at University of Delhi Delhi during 07/ 11/2016 to 11/11/2016.
2. **"Dielectric Relaxation and Thermodynamic Studies of Stearic Acid Ternary System using Time Domain Reflectometry"** in the National conference on *2nd National Conference on Nanophotonics* sponsored by , organized by School of Physics, Bharathidasan University, Tiruchirappalli at School of Physics, Bharathidasan University, Tiruchirappalli during 18/03/2016 to 19/03/2016.
3. **"Dielectric Dispersion Analysis of Saturated Fatty Acid with non-polar solvent"** in the National conference on *2nd National Conference on materials for modern world(NCMMW-2015)* sponsored by DST, organized by Department of Physics at Easwari Engineering College, Ramapuram, Chennai. during 28/09/2015 to 29/09/2015.
4. **"Dielectric Spectroscopy Analysis of fatty acid with alcohol as co-solvent using TDR"** in the National conference on *National Conference on Recent Trends In Nano Materials and Thin Films Research(RTNMTR-2015)* sponsored by UGC, organized by PG&Research Department of Physics at A.V.V.M. Sri Pushpam College, Poondi, Thanjavur(Dt) during 03/03/2015 to 04/03/2015.
5. **"Dielectric Studies of Self Assembling Amphiphilics-Microwave Dielectric Relaxation Studies of Long Chain Fatty Acid Ternary Mixture"** in the International conference on *2nd international Conference on Advanced Functional materials* sponsored by , organized by CSIR-National Institute for Interdisciplinary Science & Technology, Thiruvananthapuram at CSIR-National Institute for Interdisciplinary Science & Technology, Thiruvananthapuram during 19/02/2014 to 21/02/2014.
6. **"Time Domain Dielectric Relaxation Studies of Amphiphilics in Solution State"** in the National conference on *17th National Seminar on Ferroelectrics and Dielectrics (XVII NSFD – 2012)* sponsored by , organized by Siksha'O' Anusandhan University, Bhubaneswar, Odisha at Siksha'O' Anusandhan University, Bhubaneswar, Odisha during 17/01/2012 to 19/01/2012.



1. **"Investigation on interaction of quinoline with primary alcohols: An understanding on dielectric dispersion and relaxation dynamics over a wide frequency regime"** published in Journal of Molecular Liquids (PEER REVIEW) Vol. 372, Issue No. , January 2023 ISSN : ---.
2. **"Dielectric dispersion, relaxation processes and interaction investigation by time domain reflectometry, thermal analysis and spectral implications on aromatic amino acid in aqueous solution"** published in Journal of Molecular Liquids (PEER REVIEW) Vol. 329, Issue No. 2021, January 2021 ISSN : ---.
3. **"Metaphor of molecular dynamics and dielectric dispersion of morpholine with aprotic solvents"** published in Physics and Chemistry of Liquids (PEER REVIEW) Vol. , Issue No. , March 2020 ISSN : 0031-9104.
4. **"Molecular dynamics and dielectric relaxation by DRS, calorimetric analysis and spectral inferences of amino acid complexes"** published in Chemical Physics Letters (PEER REVIEW) Vol. 731, Issue No. 2019, May 2019 ISSN : ---.
5. **"Dielectric dispersion, relaxation dynamics and thermodynamic studies of Beta-Alanine in aqueous solutions using picoseconds time domain reflectometry"** published in Physica -B (PEER REVIEW) Vol. 521, Issue No. 2017, July 2017 ISSN : ---.
6. **"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. 224, Issue No. -, December 2016 ISSN : 0617-7322.
7. **"Dielectric Relaxation And Molecular Interaction Studies Of PEG With Non-Polar Solvents Using TDR Technique"** published in IOSR Journal of Applied Physics (PEER REVIEW) Vol. 7, Issue No. 1, February 2015 ISSN : 2278-4861.
8. **"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. , September 2014 ISSN : 0378-3812.
9. **"Microwave Dielectric behaviour of ketones in solution state at a constant temperature"** published in IOSR Journal of Applied Physics (PEER REVIEW) Vol. 6, Issue No. 2, April 2014 ISSN : 2278-4861.
10. **"1. 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 : 0617-7322.
11. **"Dielectric dispersion and thermodynamic behavior of stearic acid binary mixtures"** published in JOURNAL OF ADVANCED DIELECTRICS (PEER REVIEW) Vol. 7, Issue No. , January 1900 ISSN : ---.

## Additional Information

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1. Member of the Discipline Committee
2. Departmental coordinator for IQAC – Internal Quality Assurance Cell June-2007 to April 2009
3. Coordinator of Magazine/Souvenir Committee of the department Since 2009
4. Member of Board of Study of the department since 2008
5. Member of Extension activity and Visited cluster schools around
6. Facilitator of Young Scientist Program(YSSP)
7. Member of Examination committee and also Assistant chief examiner of various government examinations like TNPSC, TANCET Since 2009



**Signature of Staff**  
**(M.MARIASYLVESTER)**