

Qualification

Degree	Branch	Institution / University	Year of Passing
B.Ed	Physics	Tamilnadu Teachers Education University	2009
M.Phil	Physics	Bharathidasan	2007
M.Sc	Physics	Bharathidasan	2006
B.Sc	Physics	Bharathidasan	2004

Cleared NET / SET : No	Details	Year of Passing

Work Experience

Name of Institution	Address of Institution	Designation	From	To
Bishop Heber College	Bishop Heber College Puthur, Trichy - 17	Assistant Professor	2006	2016

Teaching / Research Experience

U.G. : 15 P.G. : 15 M.Phil. : 9 Ph.D. : -

Research Guidance

U.G. : 15 P.G. : 25 M.Phil. : Ph.D. :

Table of Contents

1.	Conferences / workshops / Seminars Attended	29
2.	Research Papers Presented	8
3.	Publication in Journals	3
4.	Publication in Books	0
5.	Books Published / Edited	1
6.	Conferences / Workshops / Seminars Organised	1
7.	Research Projects	1
8.	Resource Person	3
9.	Consultancy	0
10.	Awards Recieved	1
11.	Patent	0
12.	Extension Activities Undertaken	0
13.	Professional Membership	1
14.	M.Phil. / Ph.D. Produced	0 / 0

1. College level Seminar on **"Webinar on Electroanalytic water splitting : Dos and Dents"** sponsored by Department of Physics, Saveetha Engineering College organized by Department of Physics, Saveetha Engineering College at Chennai during 27/05/2020 to 27/05/2020.
2. College level Seminar on **"webinar on art of writing scientific articles and projects"** sponsored by PG & Research Department of Physics, Holy Cross college organized by PG & Research Department of Physics, Holy Cross college at Trichy during 22/05/2020 to 22/05/2020.
3. State level Workshop on **"Faculty Development Programme on ICT Tools"** sponsored by STP - IIT Bombay organized by Sree Vidyanikethan Engineering College at Tirupati during 11/05/2020 to 16/05/2020.
4. International level Conference on **"ANEH - 19"** sponsored by Private organized by PG & Research department of Physics, BHC & Swansea University, UK at Trichy during 04/02/2019 to 06/02/2019.
5. International level Conference on **"International Conference on Sustainable Energy"** sponsored by Bharathidasan University organized by Bharathidasan University at Trichy during 29/06/2018 to 30/06/2018.
6. National level Workshop on **"National workshop on x-ray diffraction and Data Analysis"** sponsored by PG&RESEARCH DEPARTMENT OF PHYSICS, BISHOP HEBER COLLEGE organized by PG&RESEARCH DEPARTMENT OF PHYSICS, BISHOP HEBER COLLEGE at TRICHY-17 during 23/02/2018 to 24/02/2018.
7. College level Orientation on **"Research Orientation Programme for Aspirants in Materials Characterization for Device Applications"** sponsored by Department of Physics, BHC organized by PG & Research department of Physics, Bishop Heber College at Trichy during 16/02/2018 to 16/02/2018.
8. College level Workshop on **"FACULTY IMPROVEMENT PROGRAMME ON EXPERIMENTAL PHYSICS"** sponsored by PG&RESEARCH DEPARTMENT OF PHYSICS, BISHOP HEBER COLLEGE organized by PG&RESEARCH DEPARTMENT OF PHYSICS, BISHOP HEBER COLLEGE at TRICHY-17 during 12/02/2018 to 13/02/2018.
9. International level Conference on **"International Conference on Material Physics ICOMP-2018"** sponsored by UGC organized by PG&RESEARCH DEPARTMENT OF PHYSICS, BISHOP HEBER COLLEGE at TRICHY-17 during 29/01/2018 to 29/01/2018.
10. State level Workshop on **"Workshop on Curriculum Design and Evaluation Techniques"** sponsored by DST - FIST, DBT - Star College organized by Bishop Heber College, at Trichy during 21/11/2016 to 22/11/2016.
11. State level Workshop on **"Workshop on Statistical Physics"** sponsored by National Institute of Technology, organized by National Institute of Technology, at Trichy during 21/07/2016 to 23/07/2016.
12. State level Workshop on **"Faculty Enrichment Programme"** sponsored by IQAC, Bishop Heber College organized by IQAC, Bishop Heber College at Trichy during 18/02/2016 to 19/02/2016.
13. State level Workshop on **"Faculty Development Programme"** sponsored by IQAC, Bishop Heber College organized by IQAC, Bishop Heber College at Trichy during 27/10/2015 to 27/10/2015.
14. National level Workshop on **"National conference on Nanophotonics"** sponsored by UGC organized by School of Physics Bharathidasan University at Trichy during 06/03/2014 to 07/03/2014.
15. National level Workshop on **"Lecture workshop on Nonlinear physics"** sponsored by Indian Academy of Sciences, Indian National Sciences Academy, National Academy of Sciences organized by Department of Physics, Bishop Heber College, at Trichy during 23/01/2014 to 25/01/2014.
16. State level Workshop on **"Workshop on nanophotonics"** sponsored by M.A.M. College of Engineering, organized by M.A.M. College of Engineering, at Siruganur, Trichy during 27/08/2013 to 27/08/2013.

17. National level Conference on **"National conference on frontier topics in advanced materials"** sponsored by UGC organized by Department of Physics, Bishop Heber College, at Trichy during 11/03/2013 to 11/03/2013.
18. State level Workshop on **"Capacity Building Programme"** sponsored by IQAC, Bishop Heber College organized by IQAC, Bishop Heber College at Trichy during 25/02/2012 to 25/02/2012.
19. National level Conference on **"National conference on perspectives in Laser, optics, spectroscopy & nano science"** sponsored by UGC organized by Department of Physics, Bishop Heber College, at Trichy during 14/02/2011 to 14/02/2011.
20. National level Seminar on **"Recent Advances in Spectroscopic Techniques"** sponsored by UGC organized by Department of Physics, Bishop Heber College, at Trichy during 07/09/2010 to 07/09/2010.
21. State level Seminar on **"One day seminar on advanced leadership seminar area/weekend"** sponsored by Bishop Heber College, organized by Bishop Heber College, at Trichy during 03/09/2010 to 05/09/2010.
22. State level Workshop on **"Orientation Workshop on Faculty Development Programme"** sponsored by Bishop Heber College, organized by Bishop Heber College, at Trichy during 12/06/2008 to 13/06/2008.
23. National level Conference on **"National Conference on Nano materials for energy conversion and conservation"** sponsored by UGC organized by Department of Physics, Bishop Heber College, at Trichy during 26/03/2008 to 26/03/2008.
24. National level Conference on **"National Conference on Nanomaterials- Preparation, Characterization and devices"** sponsored by UGC organized by Department of Physics, Bishop Heber College, at Trichy during 14/03/2008 to 14/03/2008.
25. Regional level Workshop on **"Workshop on Nanostructures and Devices"** sponsored by UGC organized by National Institute Technology, at Trichy during 23/02/2008 to 23/02/2008.
26. Regional level Workshop on **"Lecturer Workshop on Frontier Topics in Physics"** sponsored by Indian Academy of Sciences, Indian National Sciences Academy, National Academy of Sciences organized by Department of Physics, Bishop Heber College, at Trichy during 04/02/2008 to 05/02/2008.
27. -1 level Conference on **"National Conference on Recent trends in Chemistry (NCRTC 2007)"** sponsored by UGC organized by Department of Chemistry, Bishop Heber College, at Trichy during 12/10/2007 to 12/10/2007.
28. State level Workshop on **"Author Workshop: Increasing your chances of successful publication in academic journals"** sponsored by St Joseph's College organized by St Joseph's College at Trichy during 19/09/2006 to 19/09/2006.
29. State level Conference on **"Recent advances in Thin film Technology"** sponsored by UGC organized by Department of Physics, Jamal Mohamed College, Trichy at Trichirapalli during 28/09/2005 to 01/01/1900.

1. **"Photocatalytic dye inactivation and antimicrobial activity of pH-dependent facile synthesized copper oxide nanoparticles"** in the International conference on *International Conference on Recent Advances in Materials Science-ICRAMS 2022* sponsored by TNSCST, organized by National College, Trichy & AVVM Sri Pushpam College, Thanjavur at Trichirapalli during 19/05/2022 to 21/05/2022.
2. **"Photocatalytic activity of Bismuth Ferrite Nanoparticles prepared by Co - Precipitation Method"** in the International conference on *International Conference on Sustainable Energy Technology* sponsored by , organized by Bharathidasan University at Trichy during 29/06/2018 to 30/06/2018.
3. **"? Studies on the effect of copper oxide nanoparticles on mico-organisms"** in the National conference on *National Conference on Nanophotonics* sponsored by , organized by School of Physics BharathidasanUniversity at Trichy during 06/03/2014 to 07/03/2014.
4. **"Size – control synthesis of cuprous oxide nanoparticles using ascorbic acid"** in the National conference on *National conference on Nanophotonics* sponsored by , organized by School of Physics BharathidasanUniversity at Trichy during 06/03/2014 to 07/03/2014.
5. **"Synthesis and Characterization of CuO Nanoparticles"** in the National conference on *National Conference on Nanomaterials- Preparation, Characterization and devices* sponsored by UGC, organized by Department of Physics, Bishop Heber College at Trichy during 14/03/2008 to 14/03/2008.
6. **"Synthesis and Characterization of Tin Oxide Nanoparticles"** in the National conference on *National Conference on Nanomaterials- Preparation, Characterization and devices* sponsored by UGC, organized by Department of Physics, Bishop Heber College at Trichy during 14/03/2008 to 14/03/2008.
7. **"Study of optical and electrical properties of chlorophyll and evolution of hydrogen from chlorophyll"** in the National conference on *National conference on recent trends in chemistry* sponsored by UGC, organized by Department of Chemistry, Bishop Heber College at Trichy during 10/12/2007 to 10/12/2007.
8. **"Study of optical and electrical properties of chlorophyll and evolution of hydrogen from chlorophyll"** in the National conference on *National conference on recent trends in chemistry* sponsored by UGC, organized by Department of Chemistry, Bishop Heber College at Trichy during 10/12/2007 to 10/12/2007.

Publication in Journals

- 3

1. **"Versatile effects of transition metal-doped copper oxide nanoparticles on the efficacy of photocatalytic and antimicrobial activity"** published in Journal of Materials Research (PEER REVIEW) Vol. , Issue No. , October 2022 ISSN : ---.
2. **"Correlation of annealing temperature on physico-chemical properties and electrochromic performance of nebulizer spray-coated NiO films"** published in Inorganic and Nano-Metal Chemistry (PEER REVIEW) Vol. , Issue No. , January 2022 ISSN : ---.
3. **"Insights on Photocatalytic Dye Inactivation and Antimicrobial activity of pH - dependent facile synthesised copper oxide nenoparticles"** published in Applied Physics A (PEER REVIEW) Vol. , Issue No. , November 2021 ISSN : ---.
Impact factor , Scopus Index , h - index 2, Citation index 18

Books Published / Edited - 1

- * . **Audio and Video Systems**. Trichy - 17 : Jayzm , March 2018.

Conferences / Workshops / Seminars Organised - 1

1. National level Conference Entitled **"National Conference on Nanomaterials-Preparation,Characterization and devices"** at Bishop Heber College, Trichy, sponsored by UGC, during 14/03/2008 to 14/03/2008.

Awards Recieved - 1

Award Name	Presented by	Year	Level	Instituted by / Place	amount
Best Oral Presentation	The American College, Madurai	10/01/2023	INTERNATIONAL		NIL

RESEARCH PROJECTS - 1

1. Minor project entitled **"Simultaneous detection and evolution of glucose and biohydrogen using nanostructured copper oxide electrodes of"** (PRINCIPAL INVESTIGATOR), Sponsored by UGC, during 02/11/2015 to [Completed].

PROFESSIONAL MEMBERSHIP - 1

- * Member, Question Paper Scrutiny Committee of Alagappa University during 05/11/2015 - Till Date

TRAINING PROGRAMME - 1

- # STATE level ORIENTATION on **"Aspirans in Material Characterization and Device application"** Sponsored by , Organized by PG & Research Department of Physics, Bishop Heber College, at Trichy - 17 during 16/02/2018 - 17/02/2018.

RESOURCE PERSON - 3

1. State level Seminar on **"Motivational Speech"** at Cauvery College For Women, Trichy, 04/02/2017.
2. State level Workshop on **"Preparation of Nanomaterials"** at Bishop Heber College, Trichy, 22/05/2015.
3. Regional level Exhibition on **"Judge"** at Joan of Arc School, 12/01/2015.



Signature of Staff
(K.C.MERCY GNANA MALAR)