

Mr.D.ARIVUKARASAN

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

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Qualification

| Degree | Branch | Institution / University | Year of Passing |
|----------------------|---------|---|-----------------|
| Doctor of philosophy | Physics | Bishop Heber College, Bharathidasan University | May 2021 |
| M.Phil | Physics | Bishop Heber College, Bharathidasan University | August 2013 |
| M.Sc | Physics | Meenakshi Ramasami Arts And Science College, Bharathidasan University | April 2012 |
| B.Sc | Physics | Meenakshi Ramasami Arts And Science College, Bharathidasan University | April 2009 |

Ph.D. Details

| Title of Thesis | Area of Specialization | Research Supervisor | Research Centre | Year of Award |
|---|--|---------------------|----------------------|---------------|
| ASSESSMENT OF PRISTINE AND CERTAIN TRANSITION METALS - ACTIVATED BIVO ₄ COATINGS FOR PHOTOCATALYTIC DYE DEGRADATION. | Materials Science and Thin film Physics. | P. Ravi Dinesh | Bishop Heber College | MAY 2021 |

Additional Qualification

| Name of Course | Place of Study | Date | Duration |
|----------------|---|----------|----------|
| B.Ed | Meenakshi Ramasami Arts and Science College, Tamil Nadu University. | May 2010 | One Year |

Work Experience

| Name of Institution | Address of Institution | Designation | From | To |
|----------------------|---------------------------------|---------------------|-----------|------------|
| Bishop Heber College | Bishop Heber College Trichy -17 | Assistant Professor | 13.6.2013 | 03.09.2020 |

Teaching / Research Experience

U.G. : 8 P.G. : 8 M.Phil. 0 Ph.D. 0

Table of Contents

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| 1. | Conferences / workshops / Seminars Attended | 15 |
| 2. | Research Papers Presented | 6 |
| 3. | Publication in Journals | 9 |
| 4. | Publication in Books | 0 |
| 5. | Books Published / Edited | 0 |
| 6. | Conferences / Workshops / Seminars Organised | 1 |
| 7. | Research Projects | 0 |
| 8. | Resource Person | 1 |
| 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. College level Seminar on **"How Nanoscience and Technology Inspired from Nature and Transforming the World?"** sponsored by Cauvery College for Women organized by Cauvery College for Women at Tiruchirappalli during 03/05/2020 to 01/01/1900.
2. College level Workshop on **"The Summer Research Training Programme-2019"** sponsored by Bishop Heber College, organized by Bishop Heber College, at Tiruchirappalli during 28/05/2019 to 01/06/2019.
3. International level Conference on **"Joint India-UK International Conference on advanced Nanomaterials for Energy, Environment and Healthcare Application (ANEH-2019)"** sponsored by Swanzi University-UK and Bishop Heber College - Trichy organized by PG and Research Department of Physics, Bishop Heber College at Trichy-17 during 04/02/2019 to 04/04/2019.
4. College level Workshop on **"Faculty Improvement Programme on Experimental Physics"** sponsored by DBR organized by PG & Research Department of Physics at Trichy-17 during 02/12/2018 to 01/01/1900.
5. National level Workshop on **"National Workshop on Powder X-ray Diffraction & Data Analysis"** sponsored by PG & Research Department of Physics organized by PG & Research Department of Physics at Trichy-17 during 23/02/2018 to 24/02/2018.
6. College level Orientation on **"Research Orientation Programme for Aspirants in Materials Characterization for Device Applications"** sponsored by PG & Research Department of Physics organized by PG & Research Department of Physics at Trichy-17 during 16/02/2018 to 17/03/2018.
7. -1 level Conference on **"International Conference on Material Physics (ICOMP - 2018)"** sponsored by UGC organized by PG & Research Department of Physics at Trichy-17 during 29/01/2018 to 29/01/2018.
8. International level Seminar on **"Recent Challenges in Materials Science (RCMS - 17)"** sponsored by Sree Sevugan Annamalai College organized by Sree Sevugan Annamalai College at Devakottai -630303 during 15/07/2017 to 01/01/1900.
9. College level Workshop on **"Curriculum Design and Evaluation Techniques"** sponsored by DBT organized by Bishop Heber College, Tiruchirappalli at Tiruchirappalli -17 during 21/11/2016 to 22/11/2016.
10. College level Workshop on **"Summer Research Training Programme- 2015"** sponsored by Bishop Heber College, Tiruchirappalli organized by Bishop Heber College, Tiruchirappalli at during 11/05/2015 to 18/05/2015.
11. National level Workshop on **"Photovoltaic System Designing and Installation"** sponsored by organized by at during 16/03/2015 to 17/03/2015.
12. National level Workshop on **"Nano structured Materials: Processing and Characterization"** sponsored by National Institute of Technology, Tiruchirappalli. organized by National Institute of Technology, Tiruchirappalli. at Tiruchirappalli. during 07/11/2014 to 08/11/2014.
13. College level Workshop on **"Summer Research Training Programme- 2014"** sponsored by Bishop Heber College, Tiruchirappalli organized by Bishop Heber College, Tiruchirappalli at Tiruchirappalli during 21/05/2014 to 31/05/2014.
14. National level Workshop on **"Nonlinear Physics"** sponsored by Indian National Science Academy, New Delhi organized by Bishop Heber College, Tiruchirappalli at Tiruchirappalli -17 during 23/01/2014 to 25/01/2014.
15. National level Seminar on **"2nd National Seminar on Characterization Techniques."** sponsored by Alagappa University, Karaikudi. organized by Alagappa University, Karaikudi. at Karaikudi. during 21/03/2013 to 23/03/2013.

1. **"Influence of Solution Volume on Bismuth Vandate (BiVO₄) thin films prepared by Jet Nebulizer Spray Pyrolysis Method"** in the International conference on *Joint India-UK International Conference on advanced Nanomaterials for Energy, Environment and Healthcare Applications (ANEH-2019)* sponsored by , organized by Bishop Heber College at Tiruchirappalli - 17 during 04/02/2019 to 06/02/2019.
2. **"Influence of Different Substrate Temperature on Bismuth Vandate (BiVO₄) thin films prepared by Jet Nebulizer Spray Pyrolysis Method"** in the International conference on *Joint India-UK International Conference on advanced Nanomaterials for Energy, Environment and Healthcare Applications (ANEH-2018)* sponsored by , organized by K.S.R. College of Arts and Science for Women, at Thiruchankodu during 31/08/2018 to 01/09/2018.
3. **"Facile Preparation of BiVO₄ Thin Films for Photo Degradation Application"** in the International conference on *International Conference on Sustainable Energy Technologies (I-SET 2018)* sponsored by Bharathidasan University, organized by School of Physics and School of Chemistry at Tiruchirappalli - 24 during 27/06/2018 to 28/06/2018.
4. **"INFLUENCE OF DIFFERENT SUBSTRATE TEMPERATURE ON BISMUTH VENADATE (BiVO₄) THIN FILMS PREPARED BY NEBULIZER SPRAY PYROLYSIS METHOD"** in the International 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.
5. **"The structural and optical properties of Al – Doped ZnO thin film prepared by spray pyrolysis method."** in the Select conference on *National Conference on Nanophotonics* sponsored by , organized by Bharathidasan University, Tiruchirappalli at Tiruchirappalli during 18/03/2016 to 01/01/1900.
6. **"Structural and optical properties of TiO₂ thin films prepared by Hydrothermal method."** in the International conference on *ICTFA* sponsored by , organized by Sastra University Thanjavur at during 13/11/2013 to 13/11/2013.



1. **"Insights on photocatalytic dye inactivation and antimicrobial activity of pH-dependent facile synthesised copper oxide nanoparticles"** published in Applied Physics A (PEER REVIEW) Vol. 127, Issue No. 12, December 2021 ISSN : ---.
2. **"Direct-grown nebulizer-sprayed nickel-copper mixed metal oxide nanocomposite films as bifunctional electrocatalyst for water splitting"** published in Ionics (PEER REVIEW) Vol. 27, Issue No. 12, October 2021 ISSN : 0947-7047.
3. **"Effect of pH on visible-light-driven photocatalytic degradation of facile synthesized bismuth vanadate nanoparticles"** published in Materials Research Express 7 (PEER REVIEW) Vol. no. 1, Issue No. , February 2020 ISSN : 20531591.
4. **"Template-free and cost-effective nebulizer spray-coated BiVO 4 nanostructured thin films for photocatalytic applications"** published in Applied Physics A (PEER REVIEW) Vol. 126, Issue No. , December 2019 ISSN : 0947-8396.
5. **"Substrate temperature induced (020) growth facets of nebulizer sprayed BiVO4 thin films for effective photodegradation of rhodamine B"** published in Crystal Research and Technology (PEER REVIEW) Vol. 54, Issue No. , June 2019 ISSN : 0232-1300.
6. **"Influence of precursor aging time period on physical and photocatalytic properties of nebulizer spray coated BiVO4 thin films"** published in Solid State Sciences (PEER REVIEW) Vol. 92, Issue No. , April 2019 ISSN : 1293-2558.
7. **"Structural, Optical and Ethanol Gas Sensing Performance of Aluminium Doped Zinc Oxide (AZO) Thin Films by Nebulizer Spray Technique"** published in Recent Trends in Materials Science and Applications, Springer Proceedings in Physics (CONFERENCE PROCEEDING) Vol. 189, Issue No. , February 2017 ISSN : 978-3-319-44889-3.
8. **"CuInS2 Layer Deposition Through Nebulizer Spray Technique for Solar Cell Fabrication"** published in Recent Trends in Materials Science and Applications, Springer Proceedings in Physics (CONFERENCE PROCEEDING) Vol. 189, Issue No. , February 2017 ISSN : 978-3-319-44889-3.
9. **" Tuneable morphology with selective faceted growth of visible light active TiO2 thin films by facile hydrothermal method: structural, optical and photocatalytic properties"** published in Journal of Materials Science: Materials in Electronics (PEER REVIEW) Vol. Volume 27, Issue No. pp 5020–5032, February 2016 ISSN : ---.

Conferences / Workshops / Seminars Organised

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1. National level Workshop Entitled **"National Workshop on Powder X-ray Diffraction & Data Analysis"** at Bishop Heber College, Trichy, sponsored by , during 23/02/2018 to 24/02/2018.

1. Regional level Chair Person on **"ECHOS(Early Childhood Hand on Science)"** at Seventh Day Adventist Matric.Hr.Sec.School Trichy - 1, 28/11/2016.



Signature of Staff
(D.ARIVUKARASAN)