

Mr.D.ARIVUKARASAN

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Department of Physics,
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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
ASSESSMENT OF PRISTINE AND CERTAIN TRANSITION METALS - ACTIVATED BIVO ₄ COATINGS FOR PHOTOCATALYTIC DYE DEGRADATION.	Materials Science and Thin film Physics.
Research Supervisor	Research Centre
D.C.Ravi Dhas	Bishop Heber College
Year of Award	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

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1.	Conferences / workshops / Seminars Attended	15
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3.	Publication in Journals	9
4.	Publication in Books	0
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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)