

A JENNIFER CHRISTY

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WORK EXPERIENCE

- 2017 - 2018 Assistant Professor of Physics, Bishop Heber College
(Autonomous), Trichy.
- 2018 - Current Assistant Professor of Physics, Holy Cross College
(Autonomous), Trichy.

EDUCATION

INSTITUTION / UNIVERSITY	DEGREE	YEAR OF PASSING	% OF MARKS
Bishop Heber College (Autonomous), Bharathidasan University, Tiruchirapalli.	Ph.D (Full- time)	2018	Commended
St. Joseph's College (Autonomous), Bharathidasan University, Tiruchirapalli.	M.Sc., (Physics)	2012	83%
Holy Cross College (Autonomous), Bharathidasan University, Tiruchirapalli.	B.Sc., (Physics)	2010	87%
BHEL Matriculation Higher Secondary School, Tiruchirapalli.	12th std (State Board)	2007	85%
BHEL Matriculation Higher Secondary School, Tiruchirapalli.	10th std (Matriculation)	2005	78%

SUMMARY OF RESEARCH PUBLICATIONS

Publications – 14; Total Impact Factor: 27.347
Impact Factor range: 1.460 – 7.188; Citations – 242;
h-index – 8; i10-index – 7.

POSITION HELD

2013 -2016 Worked as a Project Fellow in Major Research Project, University Grant Commission, New Delhi at Bishop Heber College (Autonomous), Trichy.

PROJECTS UNDERTAKEN

2022-2023 Facile Synthesis of Zinc Oxide Nanoparticles from Various Millets for Biological Applications at Holy Cross College (Autonomous), Tiruchirappalli.
(Rs. 18,000/-)

RESEARCH EXPERTISE

- Materials Science – Thin film Physics and Nanomaterials.
- Preparation of nanocrystalline metal oxide thin films/ powders using DC Sputtering, Electron beam evaporation, Nebulizer Spray pyrolysis, Sol-gel and Co-Precipitation synthetic routes for applications in gas sensors, electrochromic devices, photocatalytic dye degradation and water splitting.
- Fabrication and investigation of Pt-free Electrocatalysts.
- Preparation and investigation of counter electrodes

suitable for Dye-sensitised Solar Cells.

AWARDS RECEIVED

- Received second Prize for Oral presentation on the topic “Astrophysics”, National Seminar on Astrophysics held at Holy Cross College (Autonomous), Tiruchirappalli on 05 March, 2010.
- Gold Medal for Academic Excellency in Part – I French paper at Holy Cross College (Autonomous), Trichy, 2009 – 2010.
- Secured second prize in Physics Major at St. Joseph’s College (Autonomous), Trichy, 2011.
- Secured third prize and best performance in Physics Major - Semester 1-3 at St. Joseph’s College (Autonomous), Trichy, 2012.
- Received Bronze Medal for the outstanding performance in M.Sc. Physics at St. Joseph’s College (Autonomous), Trichy, 2013.
- Received first Prize for Poster presentation of the paper entitled “Nanostructured Copper Oxide Thin Films Prepared by Spray Pyrolysis Technique for Photovoltaic Applications”, National Conference on Frontier Topics in Advanced Materials held at Bishop Heber College (Autonomous), Tiruchirappalli on 11 March, 2013.
- Received first Prize for Oral presentation of the paper entitled “Effect of Aluminium Doping on Photoluminescence Property of Zinc Oxide Nano Structured Thin Film Prepared by Chemical Spray Pyrolysis Method”, Recent Trends in Crystal Growth and Nano Materials (NSCGNM 2014) held at National College, Tiruchirappalli during 7-9 August, 2014.

- Received Best Award for Oral presentation of the paper entitled “CuInS₂ layer deposition through Nebulizer Spray Technique for Solar Cell Fabrication”, International Conference on Recent Trends on Materials Science and Applications (ICRTMSA 2016) held at Jamal Mohamed College, Tiruchirappalli on 29 February, 2016.
- Received Best Award for Oral presentation of the paper entitled “Preparation of p – type CIGS thin films for solar cell application”, National Conference on Nanophotonics held at Bharathidasan University, Tiruchirappalli on 18-19 March, 2016.
- Received Best Award for Oral presentation of the paper entitled “Photoconductive study of CuInAlS₂ thin film by nebulizer spray technique”, National Conference on Recent Developments in Nano Materials and Thin films Research (RDNMTR-2017) at A.V.V.M Sri Pushpam College, Poondi, Thanjavur on 4-5 March, 2017.
- Received Best Award for Oral presentation of the paper entitled “Photocatalytic performance of CIGS thin films by nebulizer spray technique”, 21st National Seminar on Crystal Growth and Applications (NSCGA 2017) at National College, Tiruchirappalli on 6-8 March, 2017.
- Received Best Award for Oral presentation of the paper entitled “Effect of thickness on CuInGaS₂ thin film by prepared by nebulizer spray technique”, One day International Seminar on Recent Challenges in Materials Science (RCMs – 17) at Sree Sevugan Annamalai College, Devakottai on 15 July, 2017.
- Received Best Award for Oral presentation of the paper entitled “Synthesised CuInS₂ Thin Films for

Dye-sensitized Solar Cell Applications”, 3rd National Conference on Recent Trends in Nanomaterials and Thin Films Research (RTNMTR-2018) at A.V.V.M Sri Pushpam College, Poondi, Tanjore, during 9-11 February, 2018.

- Received Best Researcher Award among Faculty Members in Basic Sciences at Bishop Heber College, Tiruchirappalli on 15 March, 2018.
- Received Best Award for Oral presentation of the paper entitled “CuInAlS₂ nanoflake counter electrode for dye-sensitized solar cells”, International Conference on Sustainable Energy Technologies – ISET - 2018 at School of Physics, Bharathidasan University, Tiruchirappalli, during 27 – 28 June, 2018.

MEDIA/OUTREACH ACTIVITIES

*“Nebuliser Spray for Solar Cells, Nanoscales to reduce the cost of Energy Capture” - article reported in **STEAM india Reports. 27 May 2018.***

PUBLICATIONS

1. A. Juliat Josephine, Ravi Dhas C, R. Venkatesh, D. Arivukarasan, **A. Jennifer Christy**, “*Investigation of Bi/V Mole Ratio on structural, Optical and Photocatalytic Properties of BiVO₄ Nanoparticles by Co-precipitation Method*”.

Crystal Research and Technology (Under communication)

2. A. Juliat Josephine, Ravi Dhas C, R. Venkatesh, D. Arivukarasan, **A. Jennifer Christy**, S. Esther Santhoshi Monica, S. Keerthana, “*Effect of pH on Visible- Light-Driven Photocatalytic Degradation of Facile Synthesized Bismuth Vanadate Nanoparticles*”.

Materials Research Express, 7 (2020) 015036.

Impact Factor: 2.025

3. C. Ravi Dhas, **A. Jennifer Christy**, R.Venkatesh, Subhendu K. Panda, B. Subramanian, K.Ravichandran, P. Sudhagar, A. Moses Ezhil Raj “*Solvent volume-driven CuInAlS₂ nanoflake counter electrode for effective electrocatalytic tri-iodide reduction in dye-sensitized solar cells*”

Journal of Solid State Electrochemistry, 22, 2018, 2485-2497.

Impact Factor: 2.747

4. C. Ravi Dhas, **A. Jennifer Christy**, R.Venkatesh, Subhendu K. Panda, B. Subramanian, K.Ravichandran, P. Sudhagar, A. Moses Ezhil Raj “*Solvent volume dependent physical properties and electrocatalytic ability of nebulizer spray deposited CuInGaS₂ counter electrode for dye – sensitized solar cells*”

Thin Solid Films, 653, 2018, 73-81.

Impact Factor: 2.358

5. C. Ravi Dhas, **A. Jennifer Christy**, R.Venkatesh, Esther Santhoshi Monica. S,Subhendu K. Panda, B. Subramanian, K.Ravichandran, P. Sudhagar, A. Moses Ezhil Raj “Low – cost and eco – friendly nebulizer spray coated CuInAlS₂ counter electrode for dye sensitized solar cells”

Physica B: Condensed Matter, 537, 2018, 23-32.

Impact Factor: 2.988

6. C. Ravi Dhas, **A. Jennifer Christy**, R.Venkatesh, Esther Santhoshi Monica. S, Subhendu K. Panda, B. Subramanian, K.Ravichandran, P. Sudhagar, A. Moses Ezhil Raj “*Facile preparation of hierarchical nanostructured CuInS₂ counter electrodes for dye-sensitized solar cells*”

Materials Research Express, 4, 2017, 12500.

Impact Factor: 2.025

7. C. Ravi Dhas, **A. Jennifer Christy**, R.Venkatesh, K.S. Anuratha, K.Ravichandran, A. Moses Ezhil Raj, B. Subramanian, Subhendu K. Panda “*Nebulizer spray deposited CuInGaS₂ thin films, a viable candidate for counter electrode in dye-sensitized solar cells*”

Solar Energy, 157, 2017, 58 – 70.

Impact Factor: 7.188

8. C. Ravi Dhas, **A. Jennifer Christy**, R. Venkatesh, B. Anitha, A. Juliat Josephine, D. David Kirubakaran, D. Arivukarasan, P. Sudhagar, A. Moses Ezhil Raj and C. Sanjeeviraja “*CuInS₂ Layer Deposition Through Nebulizer Spray Technique for Solar Cell Fabrication*”

Recent Trends in Materials Science and Applications, Springer Proceedings in Physics, 189, 2017, 451 – 464.

ISBN :978-3-319-44889-3

9. C. Ravi Dhas, R. Venkatesh, **A. Jennifer Christy**, D. Arivukarasan, B. Anitha, A. Juliat Josephine, D. David Kirubakaran, P. Sudhagar, A. Moses Ezhil Raj and C. Sanjeeviraja “*Structural, Optical and Ethanol Gas Sensing Performance of Aluminium Doped Zinc Oxide (AZO) Thin Films by Nebulizer Spray Technique*”

Recent Trends in Materials Science and Applications, Springer Proceedings in Physics, 189, 2017, 351 – 365.

ISBN :978-3-319-44889-3

10. C. Ravi Dhas, **A. Jennifer Christy**, R. Venkatesh, D. David Kirubakaran, R. Sivakumar, K. Ravichandran, A. Moses Ezhil Raj & C. Sanjeeviraja, “*Effect of sputtering power on properties and photovoltaic performance of CIGS thin film solar cells*”

Materials Research Innovations, 21, 2017, 286-293.

Impact Factor: 1.460

11. C. Ravidhas, B.Anitha, D.Arivukarasan, R.Venkatesh, **A.Jennifer Christy**, K.Jothivenkatachalam, A.Nithya, A.Moses Ezhil Raj, K. Ravichandran, C. Sanjeeviraja “*Tunable morphology with selective faceted growth of visible light active TiO₂ thin films by facile hydrothermal method: Structural, optical and photocatalytic properties*”

Journal of Materials Science: Materials in Electronics, 27, 2016, 5020-5032.

Impact Factor: 2.800

12. Sanjay S. Latthe, P. Sudhagar, C.Ravidhas, **A. Jennifer Christy**, D. David Kirubakaran, R. Venkatesh, Anitha Devadoss, C. Terashima, K. Nakata and Akira Fujishima, "*Self-cleaning and superhydrophobic CuO coating by jet-nebulizer spray pyrolysis technique*"
Crystal Engineering Communication, 17, 2015, 2624-2628.

Impact Factor: 3.756

13. C. Ravidhas, Dinu Alexander, **A. Jennifer Christy**, K. Jeyadheepan, A. Moses Ezhil Raj and C. Sanjeeviraja, "*Preparation and Characterization of CuO Thin Films Prepared by Spray Pyrolysis Technique for Ethanol Gas Sensing Application*"
Asian Journal of Applied Sciences, 7, 2014, 671-684.

ISSN : 1996-3343

14. C. Ravidhas, Raju Regmi, B. Anitha, D. David Kirubakaran, **A. Jennifer Christy**, A. Moses Ezhil Raj, C. Sanjeeviraja, "*Ethanol gas sensing property of indium tin oxide (ITO) thin films prepared by electron beam evaporation*"
Proceedings of the National Conference on Frontier Topics in Advanced Materials, 2014.

ISBN : 9789380767314

15. C. Ravidhas, B. Anitha, D. Arivukarasan, **A. Jennifer Christy**, R. Venkatesh, A. Moses Ezhil Raj, C. Sanjeeviraja, "*Influence of reaction temperatures in hydrothermal growth of Rutile TiO₂ nanostructured thin films for optoelectronics application*"
Proceedings of the National Conference on Frontier Topics in Advanced Materials, 2014.

ISBN : 9789380767314

WORKSHOP ORGANIZED

- Acted as an Organizing Committee Member of **DST – FIST Sponsored - One Day Workshop on Raman Spectrometer Techniques** at Holy Cross College (Autonomous), Tiruchirappalli on 16th July, 2024.
- Acted as an Organizing Secretary for **One Day State Level Seminar on New-Generation Materials for Energy Applications** at PG & Research Department of Physics, Holy Cross College (Autonomous), Tiruchirappalli on 09th March, 2020.
- Acted as an Organizing Secretary for **Winter School on Computational Modelling** at PG & Research Department of Physics, Holy Cross College (Autonomous), Tiruchirappalli on 27th - 29th February 2020.
- Acted as an Organizing Secretary for **One day Intercollegiate Physics Contest HYPHY`19** at PG & Research Department of Physics, Holy Cross College (Autonomous), Tiruchirappalli on 17th September, 2019.
- Acted as an Organizing Secretary for the **National Workshop on Powder X-ray Diffraction & Data Analysis** at PG & Research Department of Physics, Bishop Heber College (Autonomous), Tiruchirappalli on 23rd and 24th February, 2018.
- Acted as an Organizing Committee Member of **Summer Research Training Programme (SRTP – 2015)** at PG & Research Department of Physics, Bishop Heber College (Autonomous), Tiruchirappalli on 11th May – 18th May 2015.

**PAPERS PRESENTED IN INTERNATIONAL/
NATIONAL/ STATE LEVEL CONFERENCES**

Sl. No	Name of the Paper	Name of the Conference	Place	Duration
1.	Preparation and Characterization of CuO Thin Film by Spray Pyrolysis Technique	National Seminar on Current Trends in Material Science & Nanostructured Materials	Cauvery College for Women, Tiruchirappalli	23 & 24 January, 2013
2.	Preparation and Characterization of ZnO Thin Film for Gas Sensing Applications	National Conference on Frontier Topics in Advanced Materials	Bishop Heber College, Tiruchirappalli	11 March, 2013
3.	Nanostructured Copper Oxide Thin Films Prepared by Spray Pyrolysis Technique for Photovoltaic Applications	National Conference on Frontier Topics in Advanced Materials	Bishop Heber College, Tiruchirappalli	11 March, 2013
4.	Preparation and Characterization of copper oxide thin films prepared by DC magnetron sputtering	One Day State Level Inter Collegiate Seminar on Applications of Nano Materials	Ananda College, Devakottai	16 September, 2013
5.	Preparation and Characterization of Cu In Ga stack p-type Layer for Solar Cells by Magnetron Sputtering	International Conference on Chemistry in Synergy with Materials and Biology	Bishop Heber College, Tiruchirappalli	10-11 January, 2014
6.	Structural and Electrical properties of	National Conference on	Alagappa University,	6-7 March,

	CuO thin films prepared by spray pyrolysis technique for ethanol gas sensing application	Recent Advances in Nanomaterials for Sensor Application	Karaikudi	2014
7.	Effect of Aluminium Doping on Photoluminescence Property of Zinc Oxide Nano Structured Thin Film Prepared by Chemical Spray Pyrolysis Method	Recent Trends in Crystal Growth and Nano Materials (NSCGNM 2014)	National College, Tiruchirappalli	7 – 9 August 2014
8.	Effect of Sputtering Power on the Structural Morphological Electrical and Optical Properties of Chalcopyrite CIGS Thin Films	International Conference on Sustainable Energy Technologies	PSG College of Technology, Coimbatore	11 – 13 December, 2014
9.	Preparation of Aluminium doped Zinc oxide thin film by Spray pyrolysis method: Structural Morphological Electrical and Photoluminescence Properties	Recent Advances on Luminescent Materials	Annamalai University, Chidambaram	23-24 January, 2015
10.	Effect of substrate temperature on the structural electrical and optical properties of CIS thin films	Recent trends in Nano Materials and Thin Films Research	AVVM Sri Pushpam College, Thanjavur	3-4 March, 2015
11.	Role of Substrate Temperature on the Structural Morphological	Advances in Material Science	M.V.Muthaiah Government Arts College for Women,	12 February, 2016

	Electrical and Optical Properties of CIGS Thin Films		Dindigul	
12.	CuInS ₂ layer deposition through Nebulizer Spray Technique for Solar Cell Fabrication	International Conference on Recent Trends on Materials Science and Applications (ICRTMSA 2016)	Jamal Mohamed College, Tiruchirappalli	29 February, 2016
13.	Structural, Optical and Ethanol Gas Sensing Performance of Aluminium Doped Zinc Oxide (AZO) Thin Films by Nebulizer Spray Technique	International Conference on Recent Trends on Materials Science and Applications (ICRTMSA 2016)	Jamal Mohamed College, Tiruchirappalli	29 February, 2016
14.	Preparation of p – type CIGS thin films for solar cell application	National Conference on Nanophotonics	Bharathidasan University, Tiruchirappalli	18-19 March, 2016
15.	Preparation of CIAS thin film as an absorbing layer for heterojunction solar cells	National level Seminar on Advances in Material science (NLSAMS-2016)	Jairams Arts & Science College, Karur	15 October, 2016
16.	Photoconductive study of CuInAlS ₂ thin film by nebulizer spray technique	National Conference on Recent Developments in Nano Materials and Thin films Research (RDNMTR-2017)	A.V.V.M Sri Pushpam College, Poondi, Thanjavur	4-5 March, 2017
17.	Photocatalytic performance of CIGS thin films by nebulizer spray technique	21st National Seminar on Crystal Growth and	National College, Tiruchirappalli	6-8 March, 2017

		Applications (NSCGA 2017)		
18.	Effect of thickness on CuInGaS ₂ thin film by prepared by nebulizer spray technique	One day International Seminar on Recent Challenges in Materials Science (RCMs – 17)	Sree Sevugan Annamalai College, Devakottai	15 July, 2017
19.	Preparation and Characterization of CuZnSnS ₄ Thin Films by Nebulizer Spray Method	International Conference on Material Physics (ICOMP – 2018)	Bishop Heber College, Tiruchirappalli	29 January 2018
20.	P-type Absorber Layer CuInGaS ₂ Thin Films Grown by Sputtering for Solar Cell Applications	International Conference on Material Physics (ICOMP – 2018)	Bishop Heber College, Tiruchirappalli	29 January 2018
21.	Synthesized CuInS ₂ Thin Films for Dye-sensitized Solar Cell Applications	3 rd National Conference on Recent Trends in Nanomaterials and Thin Films Research (RTNMTR-2018)	A.V.V.M Sri Pushpam College, Poondi, Tanjore	9-11 February, 2018
22.	CuInAlS ₂ nanoflake counter electrode for dye-sensitized solar cells	International Conference on Sustainable Energy Technologies – ISET - 2018	School of Physics, Bharathidasan University, Tiruchirappalli	27 – 28 June, 2018
23.	Influence of pH on structural optical and photocatalytic properties of bismuth vanadate nanoparticles by co-precipitation method	INDIA-UK Joint Second International Conference On Advanced Nanomaterials for Energy, Environment, and Healthcare Applications (ANEH-2019)	Bishop Heber College, Trichy	4-6 February, 2019

**INTERNATIONAL/NATIONAL/STATE LEVEL
WORKSHOPS AND SEMINARS ATTENDED**

Sl.No	Name of the Conference/ Seminar / Workshop	Place	Duration
1.	INDO – US Workshop and International Conference	St. Joseph's College, Tiruchirappalli	12-14, January, 2011
2.	Special Seminar on Recent trends in Novel Materials	Bharathidasan University, Tiruchirappalli	20 February, 2013
3.	Third National Conference on Multifunctional Nanomaterials and Nanocomposites	Bharathiar University, Coimbatore	25-26 February, 2013
4.	Workshop on Scanning Electron Microscopy & X-Ray Diffraction	CARE School of Engineering, Tiruchirappalli	28 February & 1 March, 2013
5.	2 nd National Seminar on Characterization Techniques	Alagappa University, Karaikudi	21-23 March, 2013
6.	Workshop on R&D Proposals to National and International Funding for Researchers – Approach & Preparation	National Institute of Technology, Tiruchirappalli	16 -17 August, 2013
7.	International Conference on Thin Films and Applications	SASTRA Univeristy, Tanjore	11-13 September, 2013
8.	National Seminar on Recent Trends in Materials and its Impact	Srimad Andavan Arts and Science College, Tiruchirappalli	20 December, 2013
9.	Summer Research Training Programme-2014	Bishop Heber College, Tiruchirappalli	21-31 May, 2014

10.	Nano structured Materials: Processing and Characterization	National Institute of Technology, Tiruchirappalli	7 & 8 November, 2014
11.	Recent Advances in Technologically Significant Materials	AVVM Sri Pushpam College, Poondi, Thanjavur	12 January, 2015
12.	Photovoltaic System Designing and Installation	Bishop Heber College, Tiruchirappalli	16-17 March, 2015
13.	Summer Research Training Programme-2015	Bishop Heber College, Tiruchirappalli	11-18 May, 2015
14.	National Workshop on Crystal Growth, Thin Films and Solar Cells (WCTS-2015)	National College, Tiruchirappalli	04 September, 2015
15.	15 th Hands on Training on Photovoltaics and Micro and Nano Characterization Techniques	Centre for Nano Science and Engineering, Indian Institute of Science, Bangalore	19 – 27 November 2015
16.	National Workshop and Hands on Training Program on Thin Films Solar Cells	Centre for Nanoscience and Technology, Anna University, Chennai	11-12 November, 2016
17.	Faculty Improvement Programme on Experimental Physics	Bishop Heber College, Tiruchirappalli	12 & 13 February, 2018
18.	Research Orientation Programme for Aspirants in Materials Characterization for Device Applications	Bishop Heber College, Tiruchirappalli	16 & 17 February, 2018
19.	National Workshop on Powder X-ray Diffraction & Data Analysis	Bishop Heber College, Tiruchirappalli	23 & 24 February, 2018
20.	One Day Workshop on Examinations and	Bishop Heber College,	10 March,

	Evaluation Reforms	Tiruchirappalli	2018
21.	International FDP on Develop the ability to write research proposal	AIMIT Bangalore	24 April, 2020
22.	How Nanoscience and Technology Inspired from Nature and Transforming the World?	Cauvery College for Women	3 May, 2020
23.	National Level Live Webinar On “How to create Educational Videos”, Knowledge Publications and Chemtoons	YouTube Channel	10 May, 2020
24.	Webinar on ‘Role of Teachers in Teaching, Learning and Curriculum Enrichment with Modern Technology.’	Maharashtra’s Union of Secular Teachers, Maharashtra	14 May, 2020
25.	Research publications skills ethics and misconducts	Kumaraguru College	15 May, 2020
26.	A Webinar on "Nuances of Scholarly Writing and Manuscript Preparation"	Stella Maris College, Chennai	18 May, 2020
27.	The HCC cares webinar series on optimizing family during lockdown	Holy Cross College, Trichy	19 May, 2020
28.	Webinar series on Reimagining Research in the Era of Disruptions and Uncertainties.	Holy Cross College, Trichy	21 May 2020
29.	Webinar on Art of Writing Scientific articles and Project Proposal	Holy Cross College, Department of Physics, Trichy	22 May 2020
30.	Turn the Challenges to Opportunities: COVID-19 Pandemics and measures to combat by Higher Education of India	Ministry of Human Resource Development, Govt. of India, New Delhi, National Assessment and Accreditation Council (NAAC) Bengaluru	28 May 2020
31.	FDP webinar series on	Holy Cross College,	29 May 2020

	Andragogy on online teaching	Trichy	
32.	International Webinar on Thin Film Technologies in our Daily Life	Department of Physics, Nadar Magajana Sangam S. Vellaichamy Nadar (NMSSVN) College, Madurai	30th May 2020
33.	Faculty Development Programme (FDP) on Recent Trends in Material Frontiers	Department of Physics, St. Joseph's College of Engineering, Chennai	29 - 30 May 2020
34.	Remote Classrooms – Digital Technology in Teaching Learning	Holy Cross College, Trichy	30 May 2020
35.	National Level Online FDP on "Advancements in Materials Science"	Jeppiar Institute of Technology, Department of Science and Humanities, Sreperumbudur	5 – 6 June 2020
36.	An Online Training Program for CSIR NET exam in Physical Sciences	PG & Research Department of Physics, Bishop Heber College, Trichy	02 - 05 June 2020
37.	Webinar Series- III on ' Seed and Weed- Nurturing Relationships'	Holy Cross College, Trichy	2 June 2020
38.	Menstrual Hygiene & Reproductive Health Care	Holy Cross College, Trichy	3 June 2020
39.	International Webinar on Advanced Materials (IWAM-2020)	Department of Physics, LRG Government Arts College for Women, Tirupur	3 June 2020
40.	Webinar on "Menstrual Hygiene and Reproductive Health Care	The Alumnae Association of Holy Cross College, Trichy	3 June 2020
41.	Webinar Series on Obesity and it's role in Breast	Crossian Institute for Collaborative	6 June 2020

	Cancer	Research on Sustainable Development (CICRSD), Holy Cross College, Trichy	
42.	Stride Tutorial on Transdisciplinary Research	Stride, Holy Cross College, Trichy	11 June 2020
43.	Faculty Orientation Webinar Series on Risk Management in Times of Crisis	IQAC, Holy Cross College, Trichy	12 June 2020
44.	National Webinar on Green Materials for Environmental Sustainability	Holy Cross College, Trichy	12 June 2020
45.	Webinar on Essentials of Nanotechnology and Nanoelectronics	Department of Physics, Saveetha Engineering College, Chennai	13 June 2020,
46.	International Webinar on Listening to the Universe with Gravitational Waves	Rajapalayam Raju's College, Rajapalayam	19 June 2020
47.	International Webinar on Thin-Film Deposition Techniques and its Applications	PG & Research Department of Physics of the MDT Hindu College, Tirunelveli	25 June 2020
48.	One week online International Faculty Development Program (FDP) on Artificial Intelligence and IoT-Heuristic Transdisciplinary perspectives"	CICRSD, Holy Cross College, Trichy	4 - 10 July 2020

Orientation / Refresher / Other Courses attended

S.No.	Name of the Course	Place	Duration
1.	Sensor Technologies: Physics, Fabrication and Circuits	MOOCs mode, NPTEL – AICTE, Faculty Development Programme funded by the MoE, Govt. of India	July - September, 2024
2.	Solar Photovoltaics Fundamentals, Technology and Applications	MOOCs mode, NPTEL – AICTE, Faculty Development Programme funded by the MoE, Govt. of India	24 July - 25 September, 2022
3.	Innovative Teaching and Skills for Online Classroom	Tamil Nadu Open University, Chennai	12 March – 09 April, 2021
4.	Course in Communicative English	St. Joseph's College (Autonomous), Tiruchirappalli	May 2007.

LECTURES DELIVERED / CHAIR PERSON

- Delivered an invited talk in the “*Summer Training Programme on Materials Science (STMS-2019)*” at Bishop Heber College (Autonomous), Tiruchirappalli between 28 May, 2019 and 01 June, 2019.
- Acted as a chairperson for Young Scientists Colloquium – 2020, Rabiammal Ahamed Maideen College for Women, Tiruvarur on 28 February, 2020.
- Delivered an invited talk in the *State level Webinar on Materials Science*” at Sri Akilandeswari Women's College, Wandiwash, Vandavasi on 14th December, 2021.
- Delivered an invited talk in the “One Day Workshop on Raman Spectrometer Techniques” at Holy Cross College (Autonomous), Tiruchirappalli on 16th July, 2024.

DECLARATION

I hereby declare that all the details furnished above are true to my knowledge. If I'm selected, I assure you that I shall discharge my duties to the best of my knowledge and to the entire satisfaction of my superiors.

Tiruchirappalli,

14.10.2024

yours faithfully,

Dr. A. Jennifer Christy