

Profile

DR. I. MARY CLEMENTIA

Assistant Professor

PG & Research Department of Physics



EDUCATIONAL QUALIFICATION

S. NO.	DEGREE / DIPLOMA	SUBJECT / MAIN	NAME OF THE COLLEGE / UNIVERSITY	YEAR
1.	U.G.	Physics	Holy Cross College (Autonomous), Trichy	2003
2.	P.G.	Physics	Holy Cross College (Autonomous), Trichy	2006
3.	M.Phil.	Physics	St. Joseph's College (Autonomous), Trichy	2009
4.	Ph.D.	Physics	Bharathidasan University	2022

Teaching Experience at Holy Cross College: 14 Years

Teaching Experience outside Holy Cross College: Nil Years

Total Teaching Experience: 14 Years

RESEARCH ACTIVITIES – PAPERS PUBLISHED:

ACADEMIC YEAR	NATURE OF THE JOURNAL	DETAILS
2018 – 2019	Scopus	“ Anti microbial mechanism of ZnO nanoparticles in the presence of cationic surfactant against pathogenic bacteria for pharmaceutical applications”, Mary Clementia .I, Raji.K, International Journal of Research in Pharmaceutical Sciences, ISSN : 0975- 7538, DOI : http://doi.org/10.26452/ijrps.v11i4.4674 j.res.pharm.sci,2020,11(4) 7885-7888.
2020-2021	web of science	“ Comparative Investigation on micro structural , morphological, optical , magnetic and anti microbial traits of undoped and nickel in corporate zinc oxide nanoparticles ”, Mary Clementia.I, Raji.K, Bioscience Biotechnology Research

		Communications vol 14 No (4) Pg – 1813 – 1820 , Oct- Nov- Dec 2021, ISSN 2321-4007 : DOI: http://dx.doi.org/10.21786/bbrc/14.4.63
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RESEARCH ACTIVITIES – PAPERS PRESENTED

ACADEMIC YEAR	NAME OF THE CONFERENCE	INTERNATIONAL / NATIONAL	DETAILS
2016 -2017	Material Science and Technology ICMAS-2017	International Conference	Thermal influence of zinc oxide nanoparticles(ZnO) by co precipitation method” on August 28 th & 29 th , 2017 organized by Department of Physics, Pachamuthu college of Arts and Science for women, Dharmapuri(Affiliated to PeriyarUniversity , Salem”
2017-2018	Synthetic Materials for science and Engineering Applications SMSEA’ 2018	International	Presented research paper entitled “ Analytical Study of optical and morphological properties of Ni doped ZnO nanoparticles on 11 th April 2018 ” , 2018 organized by Department of Science and Humanities, M. Kumarasamy college of Engineering Karur, Tamil Nadu

RESEARCH ACTIVITIES - WORKSHOP- ATTENDED

ACADEMIC YEAR	NAME OF THE CONFERENCE	INTERNATIONAL / NATIONAL	ONLINE / OFFLINE	DETAILS
2014- 2015	International Workshop on strongly correlated materials IWSCM '15	International	Offline	International Workshop on strongly correlated materials IWSCM '15 centre for high pressure Research ,School of Physics,Bharathidasan University, Trichyon 20 th January 2015

INCOME GENERATED THROUGH PROJECTS :

ACADEMIC YEAR	GOVERNMENT / PRIVATE	DETAILS
2022 - 2023	Government	Received sum of rupees 1, 50,000 /- from Science and Engineering Research Board (SERB), Department of Science and Technology, Government of India towards the International conference on Nanophotonics held on March 2023

Responsibilities held at HCC

1. 2015 -2016 , 2018 -2012 - Department Staff Coordinator
2. 2019- 2020 - Assistant Staff Secretary
3. 2021- till date - Curriculum core committee member
4. 2010-2012 - Discipline core committee member

E- Content Prepared

S.NO	ACADEMIC YEAR	TOPICS
1.	2019-2020	Light Emitting Diode
2.	2020-2021	Introduction to semiconductor
3.	2021-2022	TRIAC

ORGANIZING SEMINARS/CONFERENCES/WORKSHOP/ WEBINARS

S.NO	ACADEMIC YEAR	DETAILS
1.	2010-2011	One day seminar
2.	2022-2023	International Conference on Nanophotonics - 2023
3.	2022-2023	Iconic Week Celebrations – Inter school Contest
4.	2022-2023	Intercollegiate Competition

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