



## Faculty- Profile

**Name of the Department** : Physics  
**Name of the faculty member** : Dr. R. MariyalJebasty  
**Present Designation** :Assistant Professor  
**Official Address** : Department of Physics, Wavoo Wajeeha  
Wome's College of Arts & Science,  
Kayalpatnam-628204  
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Email : mariyaljebasty.r@wavoowajeehacollege  
**Gender** : Female  
**Community** :BC  
**Date of Birth and Age** :04.07.1992, 31 Years  
**Date of Joining the present post** :06.10.2022

## Particulars of Educational Qualifications:

Category	Name of the Degree	Specialization	Year of Passing	Name of the College	Name of the University	% of Marks / Grades secured	Class obtained
UG	B.Sc.	Physics	2012	GovindammalA ditanar College for Women, Tiruchendur	ManonmaniamSundaranar University, Abishekpatti	81.3%	First class with Distinction
PG	M.Sc	Physics	2014	GovindammalA ditanar College for Women, Tiruchendur	ManonmaniamSundaranar University, Abishekpatti	74.7%	First class
M.Phil	M.Phil	Physics	2015	Gandhigram Rural Institute – Deemed to be University, Dindigul	ManonmaniamSundaranar University, Abishekpatti	83%	First class with Distinction
Ph.D	Ph.D	Physics	2021	Anna University, Chennai-25	Anna University, Chennai-25	Thesis	

**Title of Ph.D. Thesis** : Computational Studies on Titanium Based Materials for Energy and Dental Applications  
**Faculty/Discipline/Subject in which Ph.D. was awarded** : Science & Humanities / Physical Sciences/ Physics

**Academic Experience:**

Name of the College	Govt/Aided/S.F.	Designation	Joining Date	Relieving Date	Experience		
					Years	Months	Days
Wavoo Wajeetha Women's College of Arts and Science, Kayalpatnam	Self-finance	ASSISTANT Professor	06-10-2022	Till Date	0	9	8
<b>Total</b>					0	9	8

**Administrative/other Experience:**

Name of the Organization	Designation	Nature of Work	Joining Date	Relieving Date	Experience		
					Years	Months	Days
College of Engineering Guindy Hostels, Anna University, Chennai-25	Resident Counselor	Hostel Administration	September 2016	October 2020	4	1	
<b>Total</b>					4	1	

**Paper Published in Journals (Referred/Non-Referred)**

S.No	Name of the Author & Title of the Paper	Level (National/International/State/Regional)	Journal with Issue No, Page No, Vol.No, ISSN & Impact factor	Date (dd-mm-yyyy)	Citation/Scopus index/ Web of Science
1	R.Mariyal Jebasty, Anja Olafsen Sjøstad, and R.Vidya, Prediction of Intermediate band in a new polymorph of $In_2S_3$ .	International	RSC Advances, 12(3) <b>I.F.:4.036.</b>	2022	3
2	R.Mariyal Jebasty, and R.Vidya Elucidating reaction equations of $TiF_x(x=4,3,2)$ catalysts for hydrogen storage applications.	International	International Journal of Hydrogen Energy, 45, 4, 2818-28. <b>I.F:7.139</b>	2020	6
3	R.Mariyal Jebasty, and R.Vidya Mechanical Properties of Multifunctional $TiF_4$ from	International	ACS Biomaterial Science and Engineering, 5, 4, 2001-2012. <b>I.F:5.395</b>	2019	3

	First-Principles Calculations				
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**Paper Published in Books Paper Published in Books**

S.No	Title of the Book	Publisher Details	Book Name with Issue No, Page No, Vol.No, ISBN	Month & Year
1.	Calculation of Elastic Properties of Titanium Fluoride Compounds—A DFT Study	Springer Proc. of IWPSD	.10.1007/978-3-319-97604-4_180,2019.	December , 2019

**Papers Presented in Conference/Seminar**

S.No	Title of the Paper	Level (National/ International/ State/ Regional)	Proceedings Name with Issue No ,PageNo,Vol.No ISSN	Date (dd-mm-yyyy)
1.	Microwave assisted Expedient synthesis and Biological evaluation of Benzo[a]xanthenones using Copper Oxide Nanoparticles as Green Catalyst	International	ICIRC'23 Proceedings	25.02.2023
2.	<i>Electronic Structure and Optical Properties of Transparent Conducting CuScO<sub>2</sub></i>	International	Proceedings of the National Conference on Recent Trends in Functional Materials (pp. 67-70). Tiruchirappalli, TN:eInk Solutions; ISBN:978-93-87526-08-2.	December, 2017
3	<i>Ab-initio study on potential Photocatalytic In<sub>2</sub>S<sub>3</sub></i>	International	Proceedings of the National Conference on Recent Trends in Functional Materials (pp. 63-67), Tiruchirappalli, TN : eInk Solutions; ISBN: 978-93-87526-08-2	December, 2017
4	<i>Dental Applications of Titanium Fluoride-Theoretical Study</i>	International	Abstract Proceedings of the International Workshop on Recent Materials for Healthcare and Industrial Applications (pp. 45). VizhiChudar Pathippagam	January, 2018

**Faculty Development Programme  
Refresher/Orientation/Short Term Courses**

<b>S.No</b>	<b>Faculty Development Programme Refresher / Orientation / Short Term Courses</b>	<b>Title of the Programme</b>	<b>Type(National/ International/ State/Regional)</b>	<b>Organizer</b>	<b>Venue &amp; Duration (From Date - To Date)</b>
1	<b>Short Term Course</b>	<b>PG Program in Data Engineering</b>	National	National Institute of Electronics and Information Technology (NIELIT), Chennai-25	May 2022 – March 2023