FACULTY - PROFILE

Name of the Department	: Physics
Name of the faculty member	**: Dr.S.USHARANI**
Present Designation	**: Assistant Professor**
Address	**: Wavoo Wajeeha Women's College of Arts & Science Tiruchendur Road Kayalpatnam**
Email ID	**: s.usharani@wavoowajeehacoll :**
Gender	**: Female**
Community	**: BC**
Date of Birth and Age	**:28.03.1983, 40**
Date of Joining the present post	**: 1.10.2021**

Particulars of Educational Qualifications: (Awarded only) Ref.No./Date/Copy to be enclosed

Category	Name of the Degree	Specialization	Year of Passing	Name of the College	Name of the University	% of Marks / Grades secured	Class obtained
	Ph.D.	Science and Humanities	2020	Anna University, Chennai	Anna University, Chennai	--	--
PG	M.Phil	Physics	2010	Manonmanium Sundaranar University	Manonmanium Sundaranar University	66	
PG	M.Sc	Physics	2006	Govindammal Aditanar College for Women, Tiruchendur	Manonmanium Sundaranar University	70.6	
UG	B.Sc	Physics	2004	Govindammal Aditanar College for Women, Tiruchendur	Manonmanium Sundaranar University	80.35	

Title of Ph.D. Thesis **: Investigation on Single crystal Growth and Characterization of Novel Benzophenone Derivatives**

Faculty/Discipline/Subject in which Ph.D. was awarded **:** Science and Humanities

Academic Experience:

Name of the College	Govt/Aided/S.F.	Designation	Joining Date	Relieving Date	Experience		
					Years	Months	Days
Wavoo Wajeeha Women's College for Arts and Science, Kayalpatnam	SF	Assistant Professor of Physics	01.10.2021	till date	1	9	-
Dr. Sivanthi Aditanar College of Engineering, Tiruchendur.	SF	Assistant Professor of Physics	10.05.2012	12.11.2019	7	6	-
				Total	9	2	-

Paper Published in Journals (Referred/Non-Referred)

S.No	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	Solubility studies and growth of 4-aminobenzophenone single crystal: a potential organic NLO Material	International	International Journal of Science and Engineering Applications ISSN 2319-7560	2014	
2	Effect of solvents on the bulk growth of 4-aminobenzophenone single crystals: A potential material for blue and green lasers	International	Spectro ChimicaActa Part-A: Molecular and Biomolecular Spectroscopy **(Elsevier)**, 145 329 -332	2015	
3	Crystal growth, structural& optical properties of a novel benzophenone derivative – 2-chloro 5- nitro benzophenone	International	Optic – International Journal for Light and Electron Optics **(Elsevier)** 127 -5887- 5893	2016	
4	The effect of mixed solvents on solute-solvent interactions and bulk growth of 3,4-diaminobenzophenone: A novel benzophenone derivative for NLO applications	International	Optical materials- International Journal on the Physics and Chemistry of Optical Materials and their Applications, including Devices **(Elsevier)** 100 - 109603	2020	

Papers Presented in Conference/Seminar

S.No	Title of the Paper	Level (National/ International/ State/ Regional)	ISBN Name with Issue No ,PageNo,Vol.No ISSN	Date (dd-mm-yyyy)
1	Crystal growth, structural, thermal and optical properties of 4-Aminobenzophenone – A prominent organic NLO material	National	-	21-22, Jan. 2016
2	Growth aspects and optical properties of novel organic single crystal: 2C5NBP	National	-	16th February, 2018
3	Bulk growth and characterization of novel organic NLO material 2-Amino 5-Nitro Benzophenone	National	-	28-30 January 2019
4	Single crystal growth and characterization of 2C5N Benzophenone	International	-	07-10 September 2016
5	A relative study on single crystal growth and characterization of some organic NLO materials for optical applications	International	-	8-9, September 2017
6	Crystal growth and characterization of an organic NLO material	International	-	27th December 2018
7	Bulk growth of 3,4 DABP by microtube Czochralski method	International	-	26-28 February 2019
8	Recycling of liquid crystal displays and its adverse effects on environment	International	-	21, October 2022

Faculty Development Programme
Refresher/Orientation/Short Term Courses

S.No	Faculty Development Programme Refresher / Orientation / Short Term Courses	Title of the Programme	Type(National/ International/ State/Regional)	Organizer	Venue & Duration (From Date - To Date)
1	Faculty Development Programme	Outcome Based Education	-	IQAC	15th April 2023