

## CURRICULUM VITAE



1. Name : **Dr.P.UMA MAGESHWARI**
2. Age & Date of Birth : **34 & 23-11-1988**
3. Designation & Subject : **Assistant Professor& Physics**
4. Educational Qualification : **M.Sc., M.Phil., B.Ed., PGDGIS &RS., Ph.D.,**
5. Date of Appointment : **06.10.2018**
6. Date of Retirement : **30.11.2046**
7. Spouse Name and Occupation : **N.Vijayakumar, Business**
8. Qualifications – Academic:

Examinations passed	Register Number	Month & Year of passing	Subject	Class with Marks or Grade	Name of the College/University
B.Sc	06PHY035	April 2009	Physics	First Class	Lady Doak College, Madurai
M.Sc	09PGPE18	April 2011	Physics	First Class with Distinction	Lady Doak College, Madurai
PGDGIS&RS	09PRGE11	April 2011	Geoinformatics and Remote Sensing	First Class with Special Distinction	Lady Doak College, Madurai
M.Phil.,	11MPYE08	April 2012	Physics	First Class with Distinction	Lady Doak College, Madurai
B.Ed	B12113187	May 2013	Physics	First Class with Distinction	Surya College of Education, Nillakottai
Ph.D	P4288	April 2018	Physics		Madurai Kamaraj University, Madurai

## 9. Teaching Experience

Sl. No.	Place of Service	Period		Designation
		From	To	
1	G.T.N. Arts college, Dindigul	06.10.2018 to till date		Assistant Professor

## 10. Total Teaching Experience as on May 2022:

Under graduate - 4 Years

11. Area of Specialization : i) Teaching - Thermal Physics  
ii) Research - Semiconductor Nanomaterials

## 12. Orientation Course, Refresher, Short Term Courses Attended

Sl. No.	Name of the Institution/University	From	To
1	Induction Programme UGC - HRDC - Bharthidasan University, Trichy	18.11.2020	17.12.2020
2	Refresher Course (Interdisciplinary) UGC - HRDC - Bharthidasan University, Trichy	05.07.2022	18.07.2022
3	SWAYAM – NPTEL Exam – Stress Management	July 2019	August 2019
4	SWAYAM – NPTEL Exam – Waves and Oscillations	July 2019	October 2019
5	SWAYAM – NPTEL Exam - Experimental Physics - II	January 2020	April 2020
6	SWAYAM – NPTEL Exam Biomedical Nanotechnology	August 2021	September 2021

### 13. Seminars/Workshops/Conferences/Symposium – Participation

<b>Theme of Seminar / Workshops / Conferences/ Symposium</b>	<b>Institution/Organisation</b>	<b>Date</b>
Level I workshop on “Quantum Mechanics as a Tool for Materials Investigation	Department of Theoretical Physics, University of Madras	17& 18 Mar’17.
lecture workshop on Emerging Trends in Applied Physics	Devanga Arts College, Arupukottai	22& 23rd Sep’16
Webinar on “Assessment in the context of OBE”	Mastersoft ERP Solutions	24.07.2021
Webinar on “ASTROPHYSICS” Organized by	Department of Physics, Periyar Maniammai Institute of Science & Technology (Deemed to be University), Vallam, Thanjavur	06.08.2021
National level E –Quiz on “Play with Physics”	IQAC, The Madurai Diraviyam Thayumanavar Hindu College, Tirunelveli.	17.08.2021
UGC Sponsored Webinar on “Research Ethics”	UGC – HRDC -Madurai Kamaraj University, Madurai	11.09.2021
UGC Sponsored Webinar on “Development of e-Content”	UGC–HRDC-Madurai Kamaraj University, Madurai	18.09.2021
International Web Conference On “Materials Science And Its Technological Advancements”	Department of Physics, Voorhees College, Vellore.	22.09.2021
International webinar on “Nanomaterials for Energy Applications”	Department of Physics, G.T.N.Arts College, Dindigul	22.09.2021
Quiz Program on “World Pharmacist Day”	G.T.N.Arts College, Dindigul	25.09.2021
Online Webinar on “Physics for Medical Imaging	Vivekananda College, College with Potential for Excellence, Tiruvedakam West, Madurai - 625234, Tamilnadu.	01.10.2021

#### 14. Seminars/Workshops/Conferences/Symposium – Paper Presentation

Sl. No.	Title of the Paper	Seminar / Workshop / Conference	Institution where Attended	Year
1	Radiative life time of a confined exciton in a nitride based quaternary semiconductor nano-dot	International Conference	Madurai Kamaraj University	2015
2	Band offset ratio of conduction and valence band in a nitride based quaternary semiconductor quantum dot	International Conference	Cochin University of Science and Technology, Kochi	2016
3	Investigation of barrier offset in a nitride based quaternary semiconductor nano-dot	International Conference	Devanga Arts College, Aruppukotai	2016
4.	Optical transition energies in a group III-V-N nano-dot	International Conference	Jamal Mohamed College, Trichy	2016
5.	Oscillator strength in a nitride based group III-V quaternary semiconductor quantum dot	National Conference	Bharathidasan University, Trichy,	2016
6.	Confinement potentials due to conduction and valence bands in a $Ga_{1-x}In_xNyAs_{1-y}/GaAs$ quantum dot	DAE Solid State Physics Symposium,	KIIT University, Bhubaneswar	2016
7.	Electric field induced optical gain in a quaternary group III-V nitride compound semiconductor quantum dot for fibre optical communication	International Conference	SRM University, Kattankulathur	2017
8.	“Electronic properties of elemental, binary, ternary and quaternary semiconductors and their potential applications”	Seminar	Arulmigu Palaniandavar College of Arts and Culture, Palani	2016
9.	Some applications of wide band gap group III-V nitride lowdimensional semi conductors”	Seminar	Sakthi College of Arts and Science for Women, Oddanchatram	2017

10	Introduction of elemental, binary, ternary and quaternary semiconductors and their applications	Seminar	Yadava College (Co-Educational), Thiruppalai, Madurai	2017
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### **15. Resource Person/ Evaluator in other Institutions**

1. Acting as an Evaluator in the LiFE Project Viva Voce on 19.04.2021 at Lady Doak College, Madurai.
2. Acting as an Resource Person in Webinar on Astrophysics on 19.04.2021 at Periyar Maniammai Institute of Science and Technology, Tanjavur.
3. Periyar Maniammai Institute of Science and Technology, Tanjavur. – Webinar on Spacephysics.

### **16. Life Membership Details.**

1. Indian Laser Association membership No. is LM1426