

## RESUME

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Name : P. UMA DEVI  
Date of Birth : 07- 05- 1980  
Religion : Hindu  
Caste : Nadar  
Nationality : Indian  
Marital Status : Married  
Address for Communication : 184, Soundistreet,  
Allampatti,  
Virudhunagar.  
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### EDUCATIONAL QUALIFICATION

COURSE	NAME OF THE INSTITUTION	YEAR OF PASSING	% OF MARKS
<b>B. Sc., (Physics)</b>	V.V.V College for Women, Virudhunagar	Apr 2000	80.85%
<b>M.Sc., (Physics)</b>	V. H. N. S. N College, Virudhunagar	Apr 2002	80.43%
<b>M.Phil (Physics)</b>	Manonmaniam Sundaranar University, Tirunelveli.	Nov 2006	67.4%
<b>Ph.D (Physics)</b>	V. H. N. S. N College, Virudhunagar	May 2017	--

## TEACHING EXPERIENCE

Institution	Assistant Professor		Lecturer		Total
	From	To	From	To	
V.H.N.S.N College	16-06-2016	Till date			6 years 3 months
Sri Vidya College of Engineering & Technology, Virudhunagar	27 -01- 2010	06-06-2016			6 years 5 months
Alpha College of Engineering	17-09-2009	30-11-2009			2 Months 13 days
Sri Vidya College of Engineering & Technology, Virudhunagar	1-9-2008	17-07-2009			10 Months 17 Days
V. H. N. S. N College Virudhunagar			4-12-2003	31-8-2008	4 Years 9 Months

### Resource Person:

- Demonstrated the Physics experiments for the tenth students of Government Higher Secondary School, Palavanatham on 14.10.2019.
- Acted as a Resource Person in “Career Oriented Awareness Programme for School studies” organized by Department of Computer Applications, V.H.N.S.N College (Autonomous), Virudhunagar on 11.11.2019.
- Served as a Resource person in the YSSP – 2018 programme conducted by V.H.N.S.N College (Autonomous), Virudhunagar & Catalysed and supported by TNSCST, Chennai from 23.12.2018 to 06.01.2019.

**Orientation Programme:**

- Completed a four weeks Orientation Programme for “Faculty in Universities / Colleges/ Institutes of Higher Education” from June 04 – July 01, 2020 with A+ grade Sponsored by Ministry of Human Resource Development Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching, Govt. of India.
- Completed a four weeks Orientation Programme for “Faculty in Universities / Colleges/ Institutes of Higher Education” from 06<sup>th</sup> – 26<sup>th</sup> July, 2021 with A grade Sponsored by Ministry of Human Resource Development Centre, Mizoram University.

**Refresher Course:**

- Completed a two weeks Refresher course in Physics from 28/07/2022 to 11/08/2022 organized by Ramanujan College, University of Delhi.

**Training Program:**

- Participated two days In – service Teacher Training Program organized by Tamilnadu State Council for higher education at Sri Meenakshi Govt. Arts College for Women, Madurai on 5<sup>th</sup> and 6<sup>th</sup> May 2022.

**Curricular activities:****Paper presentation**

- Presented a paper entitled “Influence of Molar concentration of starting solution on the properties of CdO Thin films coated by Sol – gel Spin coating method” in International conference on December 14 & 15 of 2015 at Gandhigram Rural Institute, Gandhigram.

- Presented a paper entitled “Influence of Spin time on the properties of Sol – gel spin coated CdO thin films” in International conference on 11 & 12 of December 2015 at Madurai Kamaraj University, Madurai.
- Presented a paper entitled “Optimization of Number of coatings in the formation of CdO Thin films coated by Sol – gel Spin coating method” in National conference on 27 & 28 of November 2015 at SreeSowdambika college of Engineering, Aruppukottai.
- Presented a paper entitled “Influence of Annealing time on the properties of CdO Thin films coated by Sol – gel method in International conference on 16 & 17 of October 2015 at Anna University, Trichy.
- Presented a paper entitled “Effect of pH on the size of CdS – nanoparticle” in U. G. C. sponsored National Seminar on 30 & 31 of August 2007 at JayarajAnnapackiam College for Women, Periyakulam.
- Presented a paper on “ Effect of Post annealing temperature on the properties of sol – gel spin coated CdO thin films” in the First Online International Conference on “Continuity, Consistency and Innovation in Applied Sciences and Humanities” organized by St. Martin’s Engineering College, Secunderabad on 13<sup>th</sup> & 14<sup>th</sup> August 2020.
- Presented a paper entitled “ Influence of pH on particle size of CdS nano particles” in International Virtual Conference on Recent Trends & innovations in Science, Engineering and Social sciences, organized by Senthil Research Advocacy Forum, V.H.N.S.N College (Autonomous), Virudhunagar and PEARL –A Foundation for Educational Excellence, Bengaluru during 4<sup>th</sup> – 6<sup>th</sup> September 2020.

#### **Award received**

- Received best paper award for the presentation of “Influence of Annealing time on the properties of CdO Thin films coated by Sol – gel method in International conference on 16 & 17 of October 2015 at Anna University, Trichy.

## Research papers published

- Published a paper “Influence of Molar concentration of starting solution on the properties of CdO Thin films coated by Sol – gel Spin coating method” in ISBN 978 – 93 – 85477 – 46 – 1.
- Published a paper “Structural, Optical & surface morphological studies of CdO Thin film synthesized by Sol – gel spin coating method” in Multidisciplinary Research Journal of VVV college (ISSN : 2347 - 3967)
- Published a paper “Optimization of number of coatings in the formation of CdO thin films coated by Sol-Gel Spin coating method”, J. Chem. Pharm. Res., 8, 78, (2016).
- Published a paper “Influence of Viscosity of Sol-Gel on the Properties of CdO Thin films by Spin coating method”, Elixir Condensed Matter Phys., 90, 37534, (2016).
- Published a paper “Influence of annealing time on the structural and electrical properties of CdO thin films coated by Sol-Gel spin coating method”, J. Chem. Pharm. Res., 9, 1014, (2016).
- Published a paper “Electrical parameters of metal doped n-CdO/p-Si heterojunction diodes”, Physica B 501, 123-128 (2016).
- Research abstract entitled “Influence of pH on particle size of CdS nano particles” published in International Virtual Conference on Recent Trends & innovations in Science, Engineering and Social sciences Book of Abstracts ISBN no 978-93-81723-96-8
- Research abstract entitled “ Effect of Post annealing temperature on the properties of sol – gel spin coated CdO thin films” published in ISBN no 978-93-88096-42-3
- Effect of Post annealing temperature on the properties of sol – gel spin coated CdO thin films P.Uma Devi and N.Prithivikumaran\* Kala Sarovar (UGC Care Group-1 Journal) ISSN:0975-4520 Vol-23 No.02(IV) July-September 2020 147 – 151.

### **Seminar/ Workshop/ Short term course/Training Programme**

- Participated in the National Workshop on Recent Advancements in Materials Science “ at Alagappa University, Karaikudi on March 7, 2008.
- Participated in the Workshop on “Research Orientation for Science Lecturers” at V. H. N. S. N College, Virudhunagar on 17-04-08.
- Participated in Intercollegiate Workshop on “Learning to Learn Physics” at Ayya Nadar Janakiammal College, Sivakasi on 28 - 09 – 07.
- Participated in “Continuing Education on Instrumental methods for film analysis and testing” conducted on 16 - 11 -06 at Kamaraj College of Engineering and Technology, Virudhunagar.
- Participated in National Seminar on “Emerging Opportunities in the field of Electronics” at V. V. V. College for Women, Virudhunagar on 24-08-05 to 26-08-05.
- Participated in Regional Seminar on 17-08-05 to 19-08-05 at V.V.V. College for Women, Virudhunagar.
- Organizing committee member in the state level seminar on “Understanding Quantum Mechanics” on 29<sup>th</sup> & 30<sup>th</sup> August 2019.
- Attended a Guest Lecture on “What Next – Scope for Higher Studies and Career after B.Sc., Physics organized by the Department of Physics, V.H.N.S.N College (Autonomous), Virudhunagar on 15.02.2020.
- Attended a Guest Lecture on “ Photovoltaics and other Innovative Solar systems” organized by the Department of Physics, V.H.N.S.N College (Autonomous), Virudhunagar on 15.12.2018.
- Participated in the Workshop on “Materials Science and Applications” organized by Department of Physics, Arulmigu Palaniandavar Arts College for Women, Palani on 29<sup>th</sup> May 2020.

- Completed the Short term Online Course on “Computational Physics” organized by the Department of Physics, Bodoland University held from 12<sup>th</sup> to 18<sup>th</sup> May 2020.
- Participated in the C and Cpp training organized by Jamal Mohamed College on May 27, 2020 funded by the National Mission on Education through ICT, MHRD, Govt. of India.

### **Guest lecture delivered**

- Delivered a lecture on “Quantum Mechanics” at Devanga Arts College, Aruppukottai on 19-08-06.
- Delivered a lecture on “Information Technology and Pentium Processors” at Devanga Arts College, Aruppukottai on 10-02-07.
- Delivered a lecture on “Microwave Communication” at Devanga Arts College, Aruppukottai on 24-02-07.
- Delivered a lecture on “Representations and Transformations” at Devanga Arts College, Aruppukottai on 22-09-07.
- Delivered a lecture on “Relativistic and Non-Relativistic Equations” at Devanga Arts College, Aruppukottai on 7-07-07.
- Delivered a lecture on “Introduction to Quantum Mechanics” at Devanga Arts College, Aruppukottai on 5-01-08.

### **External examiner:**

- Acted as External examiner for the B.Sc Practical examination in Sri Kaliswari College, Sivakasi on 2<sup>nd</sup> April 2019.
- Acted as External examiner for the B.Sc theory examination in V. V. Vanniaperumal College for Women, Virudhunagar for the even semester of the academic year 2021 – 2022.

- Acted as Question Paper Setter to set the question paper for Manonmaiam Sundaranar University, Sri Sarada College for Women, Tirunelveli and Mannar Thirumalai Naicker College, Madurai.

### **Faculty Development Programme:**

- Participated in Faculty Development Programme on “ENABLE relationship – ENHANCE skills – EMPOWER students” organized by the Department of Management studies, V.H.N.S.N College (Autonomous), Virudhunagar on September 19, 2019.
- Participated in the Faculty Development Programme on “Digital Teaching” conducted by IQAC, V.H.N.S.N College (Autonomous), Virudhunagar from 01.06.2020 to 03.06.2020.
- Participated in the Faculty Development Programme on “Handling Google Classroom for Evaluating Student Learning” conducted by IQAC, V.H.N.S.N College (Autonomous), Virudhunagar on 20.08.2020.
- Participated in the Faculty Development Programme on “Project proposals for funding Agencies: Preparation and submission protocol” organized by Patrician College Research Committee, Patrician College of Arts and Science, Chennai on 16.5.2020 and 17.05.2020.
- Participated in the Faculty Development Programme on “My Life My pride My Career” organized by Patrician College of Arts and Science, Chennai on 18.5.2020.
- Participated in Five days Faculty Development Programme on “Smart Materials and Sensors: Current updates and Future perspectives” organized by Department of Science and Humanities, Stella Mary’s College of Engineering , Azhikal from 10<sup>th</sup> July to 14<sup>th</sup> July 2020.



- Participated in the Two week Faculty Development Programme on “Advances in Computational and Experimental Research in Physics” organized by Department of Physics, SRM Institute of Science and Technology, Chennai from 27<sup>th</sup> July to 8<sup>th</sup> August 2020.
- Attended one week Online Faculty Development Programme on “The Use of Virtual Physics Labs – Creating Next Generation Teachers” organized by Department of Freshman Engineering, Geethanjali College of Engineering and Technology in association with Indian Society for Technical Education (ISTE) from 20 – 24, May 2020.
- Attended online Faculty Development Programme on “Recent Trends in Material Frontiers” organized by Department of Science, St. Joseph’s College of Engineering, Chennai held on 29<sup>th</sup> and 30<sup>th</sup> May 2020.

#### **Participation in International /National Conference**

- Participated in the international Webinar on “Recent Trends in Applied Sciences” organized by Senthil Research Advocacy Forum, V.H.N.S.N College (Autonomous), Virudhunagar on 29.5.2020 and 30.5.2020.
- Participated in the international Webinar Series on “Cosmology and Nanotechnology” organized by Post Graduate and Research Department of Physics, Nallamuthu Gounder Mahalingam College, Pollachi from 27.05.2020 to 29.05.2020.
- Participated in the International Live Webinar on “Applications of Spectroscopic Methods for Chemical Analysis” organized by the Department of Chemistry, Pioneer Kumaraswamy College, Nagercoil held on 22<sup>nd</sup> May 2020.

- Participated in the International Webinar on “ Nanomaterials & its Tools” organized by PG & Research Department of Physics, Idhaya College for Women, Kumbakonam, on 22<sup>nd</sup> July 2020.
- Attended International Webinar on “Nanotech Applications” organized by Department of Science, St. Joseph’s College of Engineering, Chennai held on 24<sup>th</sup> & 25<sup>th</sup> of July 2020.
- Attended International Webinar on “Development of Ultra High Temperature Materials for Hypersonic Applications ” organized by Department of Physics, SRM Institute of Science and Technology, Chennai on 23<sup>rd</sup> July 2020.
- Participated in the Webinar on “Super capacitors: New Age Energy Storage Devices” organized by the Department of Physics, Ayya Nadar Janaki Ammal College, Sivakasi on 19.05.2020.
- Participated in the Webinar on “Outcome based Assessment Strategies” conducted by IQAC, V.H.N.S.N College (Autonomous), Virudhunagar on 18.05.2020.
- Participated in the Lecture series on “Computational and Experimental Techniques in Advanced Materials” organized by Department of Physics, Periyar University Post Graduate Extension Centre, Dharmapuri from 01.06.2020 to 03.06.2020.
- Participated in the Webinar series on “Conceptual and Applied Physics” jointly organized by Department of physics, RK University and Department of Nanoscience & Advanced Materials, Saurashtra University, Rajkot during 05<sup>th</sup> – 8<sup>th</sup> May 2020.
- Participated in the National Webinar on “ Advanced Fiber Technology for various Sensing Applications” organized by department of Science and Humanities (Physics), R.M.K College of Engineering and Technology, Pudukottai on 29<sup>th</sup> July 2020.

- Participated in the Webinar on “Activity Based Learning Method hosted by PG department of English, G.T.N Arts College (Autonomous), Dindigul on 27<sup>th</sup> May 2020.
- Participated in the Webinar on “Advancement in Optical Communication through Optical fibres” organized by Department of Physics, V.V.Vanniaperumal College for Women, Virudhunagar on 27.05.2020.
- Participated in the Webinar on “Advanced materials: Webinar Series –II ” organized by the Department of Physics, Vels Institute of Science, Technology & Advanced Studies, Chennai from 28 – 30 May 2020.
- Participated in the Webinar on “Advanced materials: Webinar Series –I ” organized by the Department of Physics, Vels Institute of Science, Technology & Advanced Studies, Chennai from 21 – 23 May 2020.
- Participated in the Webinar on “ Cost- effective Thin Film Technology for Environmental Applications” organized by the Department of Science and Humanities (Physics), C. Abdul Hakeem College of Engineering and Technology, Vellore on 11<sup>th</sup> August 2020.
- Participated in the Webinar on “Recent Trends in Energy Materials and Technology: Research and Applications” organized by the Department of Physics, S.T. Hindu College, Nagercoil on 25.05.2020.
- Participated in the Webinar on “Global opportunities in space exploration and research” organized by Sri Venkateshwara College of Technology, Chennai on 29<sup>th</sup> May 2020.
- Participated in the Webinar on “Application of Space Technology in our day to day life” organized by Sri Venkateshwara College of Technology, Chennai on 19<sup>th</sup> May 2020.
- Participated in the Webinar on “International day of Light” organized by Sri Venkateshwara College of Technology, Chennai on 16<sup>th</sup> May 2020.

- Participated in the National level Webinar on “ Recent Techniques on Single Crystal Growth and its Characterization” organized by the Research Centre and PG Department of Physics, The Madura College, Madurai on 21<sup>st</sup> July 2020.
- Attended Webinar on “ Technologies for the Exploration of the Inner Space” organized by Department of Physics, SRM Institute of Science and Technology, Chennai on 11 July 2020.
- Participated in the Webinar on “ Recent Advances in Crystal Technology” organized by Department of Physics, Prathyusha Engineering College, Chennai on 28<sup>th</sup> May 2020.
- Participated in the Webinar on “Towards Effective Teaching & Learning” organized by P.K.N Arts & Science College on 14<sup>th</sup> and 15<sup>th</sup> May 2020.

**Participation in Extracurricular activities:**

- Acted as NSS Advisory committee member and involved in all the NSS activities conducted by V.H.N.S.N College (Autonomous), Virudhunagar for the academic year 2017 – 2019.
- Participated in cycle rally on “Awareness on Environment Protection” organized by (N.S.S girls units) of V.H.N.S.N College (Autonomous), Virudhunagar on 09 February 2019.
- Participated in the Webinar on “Nalam tharum Yoga” organized by National Service Scheme, V.H.N.S.N College (Autonomous), Virudhunagar on 20.06.2020.
- Actively participated in the activities of Personality development cell as a Member.
- Acted as a Resource person and delivered a lecture on the topic “Soft Skills for Career Development” organized by Personality Development Cell, V.H.N.S.N College (Autonomous), Virudhunagar on 21.01.2020.

- Handled NEET coaching class for the school students from April 2019 to till date.
- Discipline committee member and monitoring the girl's rest room during the lunch hour.
- Coordinated for the programme "Make our Library exceptional" contest for our department of Physics on 25<sup>th</sup> January 2020.
- File maintenance in NAAC (Extra- curricular, co - curricular and placement)
- Member of Personality Development Cell and Discipline Committee.

### **DECLARATION**

**I hereby declare that the details given above are true to the best of my knowledge.**

**(P.UMA DEVI)**