



P R GOVT COLLEGE (A), KAKINADA

DEPARTMENT OF PHYSICS & ELECTRONICS

CURRICULAM VITAE



Smt A. PADMAVATHI M.Sc, B.Ed, A.P.SET,(Ph.D)

LECTURER IN PHYSICS

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Educational Qualifications:

SET: State Eligible Test for Andhra Pradesh state for Assistant Professor/Lectureship (APSET-2018)

Post Gradation: M.Sc., Physics in April 2007 from Govt. (A) College, Rajahmundry, Andhra University with 67%

Bachelor of Education: B.Ed. Physical Science and Mathematics Methodology from Miriam College of Education, Amalapuram, Andhra University with 64%

Graduation: B.Sc., Mathematics, Physics with Electronics in 2005 from A.S.D. Degree College(W), Kakinada, Andhra University with 74%

Intermediate: Mathematics, Physics with Chemistry in March 2002, from A.S.D. Junior College (G), Kakinada, Board of Intermediate Education with 82%

SSC: Secondary School Certificate in March 1999 from ZPP High School, Rajavommangi, Eastgodavari Dist, Andhra Pradesh with 63.5%.

Teaching Experience:

- Working as **LECTURER in physics** at P.R Government College (A), Kakinada from 21-10-2022 to till now.
- Selected as **LECTURER in physics** through APPSC in July 2021 and worked at Government Degree College, Veeraghattam, Parvathipuram Manyam District from 14-07-2021 to 20-10-2022.
- Worked as **Contract Lecturer in physics** at A.S.D Junior College (G), Kakinada from 03-06-2013 to 13-07-2021.

- Worked as **Contract Lecturer in physics** at Govt. Junior College (G), Amalapuram from 27-08-2007 to 02-06-2013.

Achievements:

- Selected as **Physical Scientific Assistant** in Audio-Vedio Section at A.P.Forensic Scientific Laboratory , Mangalgi conducted by SLPRB,A.P in March 2021
- Selected as **Lecturer in Physics in Government Degree Colleges** by Direct Recruitment allotted in zone-I conducted by APPSC in July 2021

No. of Refresher courses attended: 01

- Attended Online **Two-week Refresher course** through online from Teaching Learning Centre, Ramanujan College, University of Delhi from 07-03-2022 to 21-03-2022 and obtained Grade A+.

No. of Orientation courses attended: 01

- Attended a **4-week Orientation programme** for “ Faculty in Universities/Colleges/Institutes of Higher Education” through online from Teaching Learning Centre, Ramanujan College, University of Delhi from 20 February-21 March,2023 and obtained Grade A+.

No. of Faculty Induction/ Develop Programme attended: 09

- Participated in A Two Day Online FDP On “**Radiation Effects on Polymers and Advances in Organic Optoelectronic Devices**” conducted by VAAGDEVI College of Engineering UGC Autonomous, Warangal on 2nd&3rd February 2022.
- **A 05 -day APCCE (Faculty Induction Programme)** held at Andhra University, VIZAG conducted by CCE, Government of Andhra Pradesh 29.06.2022 to 03.07.2022
- Participated in Three Days ToT on Internship/Apprenticeship Management and LMS held at NRC,PRGC(A0,KKD from **06 February 2023 to 08 February 2023**.
- Participated in the **6-Day Hands-on-Training on Elemental Analysis** from 26 April-01 May 2023 conducted by SIAS Research Forum in collaboration with Department of Physics, PSMO College, Tirurangadi, Kerala.
- Participated in the 6 Day ToT programme on **English Medium of Instruction in English** from **12.06. 2023 to 17.06.2023** at P.R.Govt College(A),Kakinada.
- Participated in the Online One Week International FDP On “**Multidisciplinary Approach in Research Methodology**” from 11-09-2023 to 17-09-23 was conducted by Sri Y.N.College,Narsapur,W.G.Dt.

- Participated in the Online FDP On “**Innovative in High Performance Materials**” from 29-04-2024 to 04-05-24 was conducted by BVRIT college of Engineering for Women,Hyd.
- Participated in the Online FDP On “**Fundamentals and Advances of Magnetic Materials**” from 20-05-2024 to 24-05-24 was conducted by CHAITANYA BHARATHI INSTITUTE IF TECHNOLOGY,Hyd.
- Participated in the Online FDP on “**Advances in Material Characterization and Data**” from 15-07-2024 to 20-07-24 was organized by Anurag University, HYD.

No. of Webinars/ Seminars attended: 05

- Participated in the National Level Webinar on “ **WOMEN’S PROTECTION ACTS IN INDIA**” organized by V.K.V.GOV'T DEGREE COLLEGE, Kothapeta, A.P. on 07.03.2022
- Participated in the **One Day International Webinar** on MODERN TRENDS in Nano Technology organized by SRR & CVR Government Degree College(A),Vijayawada.
- Participated in the **International Webinar** on Environmental Sustainability and Development on 9th &10th November-2022 organized by Sri Y.V.N.R.College, Kaikaluru, Eluru.Dt.
- Participated in the Five Day National Webinar on **Pathways to Discovery and Innovation: Nurturing Researchers for Tomorrow** organized by Pithapur Rajah's Govt College(A),Kakinada, from 25 April-2024 to 30 April-2024.
- Participated as **Resource Person** in RUSA sponsored Two- day National Seminar on “**GENDER SENSITIZATION : ISSUES AND CHANGES**” organized by Dr. S.R.K. GOV'T ARTS COLLEGE, YANAM, UT OF PUDUCHERRY, from 19 – 03-2024 to 20 – 03- 2024.

No. of International Conferences/Workshops attended: 03

- Participated in “**Zero to Infinity: International Workshop on Career Awareness**” organized by S.U.S .Govt College, Karnal, HARYANA from January 18-22-2022.
- Attended the IARP Workshop on “**Beneficial Effects of Radiation Technology and Indian Nuclear Energy Programme**” conducted by IARP, Mumbai hosted by Department of Nuclear Physics, AUCST, Visakhapatnam 4th March 2023.
- Presented a paper entitled Green Technology for Sustainable Growth and its Significance in “**1st International Conference on Environmental Challenges and Remedies for Sustainable Future (ICECRSF-23)**” Organized by Department of Chemistry, Government College(A), Rajahmundry on 15th&16th September,2023.

Publications / Presentations:

- Optimization of Tidal Wave Power Generation: A Review of IoT-Enabled Solutions, **A.Padmavathi** , Dr.K.Durga Rao and Dr.Somarouthu V.G.V.A.Prasad, Journal of Systems Engineering and Electronics, (ISSN NO:1671-1793),May-2024.
- Harnessing Advanced Technologies for Carbon Storage: Safeguarding Against Climate Change, **A. Padmavathi** and Dr.Somarouthu V G V A Prasad, Bulletin For Technology And History Journal,(ISSN NO:0391-6715), May 2024.
- Microwave Absorbers and Ferrites: A Comprehensive Review, **A.Padmavathi** , Dr.K.Durga Rao and Dr.Somarouthu V.G.V.A.Prasad, KRONIKA JOURNAL,(ISSN NO: 0023-4923), VOLUME 24 ISSUE 6 2024 .
- The Heartbeat Science: Unravelling the Mechanics of Cardiac Pumping in Humans and Animals, Dr.M. Surekha , Dr.K. Jayadev , G. Sridevi , **A. Padmavathi** , Dr.P. Himakar , Dr.K.Durga Rao and Dr.Somarouthu V.G.V.A.Prasad, ALOCHANA JOURNAL(ISSN NO:2231-6329), VOLUME 13 ISSUE 6 2024.
- Unlocking Agricultural Potential: A Comprehensive Analysis of IOT Based Farming and Plantation Management, Somarouthu V.G.V.A.Prasad, **A.Padmavathi** and K.Durga Rao, Greenari A An AGRICULTURAL MONTHLY e- MAGZINE(ISSN:NO2584-153X), VOLUME02,Issue 06,2024.
- Exploring Ferrite-Based Microwave Absorbers: Key Chaenges and Emerging Trends, **A.Padmavathi** , V.Rambabu,P.Vijaykumar and Somarouthu V.G.V.A.Prasad, NOVYI MIR Research Journal(ISSN NO:0130-7673) Volume 9,Issue 8,August 2024.
- The Role of Nano Ferrites as Advanced Energy Materials, **A. Padmavathi**, Dr P.B.Sandhya Sri and Dr.S V G V A Prasad, Presentation at the ICSMA-2024,Mandapeta ,ISBN: 978-93-92760-55-6 Chapter 5, August-2024.
- Powering Future: Renewable Energy Applications in Aquaculture System, B.Chakravarthi,M.Vasanthalakshmi,M.Surekha,**A.Padmavathi**,K.Durgarao,S. V.GV.A.Prasad, OEIL RESEARCH JOURNAL(ISSN NO: 0029-862X) VOLUME22,Issue 11,2024.
- Education that Provides Value-Adds: Improved Educational Outcomes and Future Preparedness, Dr. K.Lakshmana Rao,**A.Padmavathi** & Dr.S V G V A Prasad, E-ROPEB -2024,Kadapa, ISBN: 978-819836314-5, Chapter 21, Dec-2024.
- Trailblazing Women:Shaping Tomorrow Through Skill and Strength, **A.Padmavathi**, Dr L.Rajeswari, Presentation at Two Day International Women Conclave-2025,Kakinada, ISBN: 978-93-92760-21-1, Chapter 18, Jan-2025.
- Sustainable Materials Design: Novel Methodologies for Eco-Friendly Innovation, Dr.M.Surekha, Dr.K.Jayadev , G.Sridevi, Dr.P.Himakar, Dr.K.Durgarao & **A.Padmavathi***, Presentation at RESEARCH METHODOLOGY IN MATERIAL SCIENCE- 2025,Kaikaluru, ISBN: 978-93-90028-56-6, Chapter 22, Jan-2025.
- Empowering Rural Communities: Integrating Science, Technology andCommerce for Sustainable Development, Dr.K.Lakshmana Rao 1*

,P.Vijayakumar 2 , Vankudavathu Mallikarjuna Naik 3 , **A.Padmavathi** 4 and Dr.Somarouthu V .G.V.A.Prasad 4, 2 Day National Seminar,Silver Jubilee Govt College,Kurnool, ISSN-2349-5162, Volume 12, Issue 3,MARCH-2025.

- Biomedical Applications of Physico-Chemical Nanomaterials: Recent Advances and Future Perspectives, **A. Padmavathi**1, Dr K.. Jayadev 1, Dr P. Himakar1, Dr K. Durgarao1 & Dr. Somarouthu V. G. V. A. Prasad1*, TWO DAY NATIONAL SEMINAR IDEAL COLLEGE,KKD, ISBN: 978-93-92760-68-6, Sl.No-10, 28-29 MARCH-2025.

PERSONAL PROFILE:

Name: A.PADMAVATHI

Fathers Name: RAMBABU

Mothers Name: CHITTEEMA

Date of Birth: 15-06-1984

Sex: Female

Marital Status: Yes

Nationality: Indian

Permanent Address: DOOR NO: 4-197,

W/O KALLA SATISH KUMAR,

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