

# CURRICULUM VITAE

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**Dr. Parvathala Ankoji,**  
**Assistant Professor (Adhoc),**  
**Department of Physics,**  
**JNTUACE Pulivendula-516390.**

E-Mail : [ankphy1@gmail.com](mailto:ankphy1@gmail.com)

Mobile No. : +91-8919795831



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## Career Objective

- Highly motivated, enthusiastic and dedicated educator who wants all students to be successful learners.
- Committed to creating a classroom atmosphere that is stimulating and encouraging to students.
- Superior interpersonal and communication skills to foster meaningful relationships with students, staff and parents.
- Demonstrated ability to consistently individualize instruction, based on student's needs and interests.
- Committed to professional ethics, standards of practice and the care and education of young students.

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## Personal Skills

A flexible ardent to learn innovative with good communicating skills, ability to handle fragile jobs with care and perfection, hardworking, ability to deal with people diplomatically, good team membership qualities.

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## Education Qualification

1. **Ph.D. in Physics (2020):** Spectroscopy Laboratory, Department of Physics, Sri Venkateswara University, Tirupati, India.

**Title of the Ph.D. Thesis:** “Studies on Structural, Morphological and Photoluminescence Properties of  $\text{Sm}^{3+}$ ,  $\text{Eu}^{3+}$ ,  $\text{Dy}^{3+}$  &  $\text{Dy}^{3+}/\text{Eu}^{3+}$  Ions Doped  $\text{LaAlO}_3$  Nanophosphors Synthesized by Hydrothermal Method for White Light Emitting Diode Applications”

2. **M.Sc., in Physics with Specialization Spectroscopy (2012)** from Department of Physics, Sri Krishnadevaraya University, Anantapur, AndhraPradesh, India, aggregate **74.1%**
3. **B.Sc., (Maths, Physics and Chemistry) (2010)** from Sri Venkateswara University, Tirupati, AndhraPradesh, India. during 2010, aggregate **78.8%**
4. **Intermediate (2007)** from N.B.K.R. Science and Arts College, Vidyanaagar, aggregate **77.8%**
5. **S.S.C. (2005)** from Z.P.H.S.Chinthavaram, aggregate 79.5%.

### **Additional Qualifications**

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1. **PGDCA (2008)** from Yuva Sakthi Educational Societ, Vidyanaagar, aggregate **77.4%**.
2. Qualified Andhra Pradesh State Level Eligibility Test (**APSET**)-2022.

### **Main Research Interest**

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- Interested in working on rare earth doped nanophosphors photoluminescence characteristics for WLEDs, display applications.
- Interested in working on rare earth doped nanophosphors thermoluminescence characteristics for thermal sensor applications.
- Interested in rare earth doped nanophosphors for Bio-Medical applications.
- Synthesis of Nanostructured materials and its applications.

### **Acquired Research Skills**

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- Ability to work independently as well as in a team with others.
  - Expertise in the preparation and characterization of nano powders.
  - Good expertise in writing the project proposals and presentations.
  - Interested to learn & acquaint new thing in research.
- Good experimental skills on the preparation of nano materials using Solid-State Reaction Method, Hydrothermal and Sol-Gel techniques.
- ❖ Guided **II M.Sc.**, students to complete their project works in spectroscopy.

I can individually operate the characterization instruments.

- **Manual and Programable furnaces** (Indfurr super heat, 200 °C-1400 °C ).
- **Impedance analyzer** (N4L LCR meter, 10uHZ-50MHZ ).
- **UV-Vis-NIR** absorption spectrophotometer (Perkin Elmer, Lambda 950, 175-3300 nm).
- **Fourier transform infrared spectroscopy (FT-IR)** (Thermo Nicolet: 6700).

- **Fluorescence spectrophotometer** (FLS920) (Edinburgh Instrument Ltd, UK) arranged with a 450 W xenon (Xe) lamp.

## Teaching Experience

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- Worked as adhoc lecturer in JNTUCEA, in Anantapur during 2012-2013.
- Worked as adhoc lecturer in JNTUACEK, in Kalikiri during 2013-2015.
- Worked as Assistant Professor in Department of Physics, Audisankara College of Engineering and Technology (Autonomous), Gudur during Dec-2019 to Dec-2020.
- Working as Assistant Professor in Department of Physics, JNTUCEP, Pulivendula from Feb 2021 to still now.

## Achivements

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- Topper in B.Sc., and Physics in N.B.K.R Science & Arts College, Vidyanagar, Nellore (dt).
- Participated in NCC (B-Certificate) during 2005-2007 in N.B.K.R Science & Arts College, Vidyanagar, Nellore (dt).
- Participated in NSS during 2007-2009 in N.B.K.R Science & Arts College, Vidyanagar, Nellore (dt).

## Conferences/Workshops

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- Participated in National Workshop on “Environmental Pollution and Impacts on Public Health and Agriculture” in the Department of Physics during 21 & 22 Feb, 2012 in SKU, Anantapur.
- Participated in National Workshop on “Facing Challenges on Climate Change Earth and Atmospheric System” in the Department of Physics during 30 & 31 Oct, 2012 in SKU, Anantapur.
- Participated in National Workshop on “Transit of Venus and Related Phenomenon” in the Department of Physics during 2 & 3 Mar, 2013 in SKU, Anantapur.
- Participated in National Workshop on “NMR Spectroscopy: Application to Biomolecules” in the Department of Physics during 9 & 10 Jan, 2015 in JNTUA, Anantapur.
- Participated in “National Conference on Material Science” during 13 & 14<sup>th</sup> Nov, 2015 in the Department of Physics, S.K.University, Anantapuramu.
- Participated in National Workshop on “Smart Materials-Applications & Characterizations” in the Department of Physics 27<sup>th</sup> April, 2016 in VIT University, Vellore.

- Participated in Awareness Workshop on “Advanced Material Characterization & Synthesis Facilities” organized by UGC-DAE Consortium, Kalpakkam Node in the Department of Nuclear Physics, during 27 & 28 June, 2016 in University of Madras.
- Participated in National Workshop on “Materials Characterizations Techniques” in the Department of Physics during 2 & 3 September, 2016 in SRM University, Ramapuram.
- Participated in INUP Familiarization Workshop on “Nano Fabrication Techniques” organized by IIT Bombay, during 27 to 30 December, 2016.
- Participated in 3<sup>rd</sup> International conference on “Emerging Electronics ” organized by IIT Bombay, during 27 to 30 December, 2016.
- Participated in 104<sup>th</sup> “The Indian Science Congress” held at S.V. University, Tirupati during 3 to 7 January, 2017.
- Presented a poster in National conference on “Advanced Materials: Processing and characterization” organized by department of Physics, during 27&28 February, 2017 in NIT Tiruchirappalli.
- “A NOVEL RED EMITTING PHOSPHOR OF Eu<sup>3+</sup> DOPED CaLaAlO<sub>4</sub> FOR WLEDs” entitled paper is accepted for publication with ISBN in National conference on “Advanced Materials: Processing and characterization” organized by department of Physics, during 27&28 February, 2017 in NIT Tiruchinappalli.
- Presented a poster in International conference on “ Science, Technology and Applications of Rare Earths” organized by Rare Earth Association of India & Indian Institute of Mineral Engineers, Tamil Nadu Chapter, during 23-25 September, 2018 in Tirupati.
- Presented a poster in National conference on ” Novel Material for Devices Applications“ organized by Sri Venkateswara University, Tirupati, during 4-5 November, 2018 in Tirupati.
- Oral presentation of “Photoluminescence properties of Dy<sup>3+</sup> doped La<sub>2</sub>(MoO<sub>4</sub>)<sub>3</sub> phosphors“ in International conference on Materials Science (ICMS-2022) organized by JNTUACE, Anantapur, during April 11-13, 2022.
- International Workshop on Advances in Materials and Future Scenario organized by G. Pulla Reddy Engineering College, Kurnool, during December 30 & 31, 2022.

## Research Publications

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1. **P. Ankoji, B. Hemalatha Rudramadevi,**  
 “Structural analysis of CaLaAlO<sub>4</sub> powder via solid state method”  
**IJRASET journal, 6 (2018) 213-216.**

2. **P. Ankoji**, B. Hemalatha Rudramadevi,  
Structural and luminescence properties of  $\text{Eu}^{3+}$  doped  $\text{LaAlO}_3$  nanophosphors by hydrothermal method.  
**Journal of Materials Science: Materials in Electronics**, **30** (2019) 2750-2762.
3. **P. Ankoji**, B. Hemalatha Rudramadevi  
Structural and luminescence properties of  $\text{LaAlO}_3$ :  $\text{Sm}^{3+}$  nanophosphors synthesized via hydrothermal method  
**Optical Materials**, **95** (2019) 109249-8.
4. S.M. Devasena, N. Prabhakara Rao, **P. Ankoji**  
Doping influence of  $\text{Mn}^{2+}$  ions on zinc oxide nanoparticles synthesized by chemical co-precipitation method  
**JETIR journal**, Volume 6, Issue 6, June 2019.
5. **P. Ankoji**, B. Hemalatha Rudramadevi  
Tunable white light emission from  $\text{Dy}^{3+}/\text{Eu}^{3+}$  doped  $\text{LaAlO}_3$  nanophosphors via hydrothermal method.  
**Materials Science and Engineering B**, **263** (2021) 114883-9.
6. **P. Ankoji**, M. Peddaiah, B. Hemalatha Rudramadevi  
Structural and photoluminescence properties of a novel green emitting  $\text{Tb}^{3+}$  doped  $\text{Ba}_3\text{La}_2(\text{BO}_3)_4$  phosphor  
**Materials Today: Proceedings**, **46** (2021) 184-189.
7. **P. Ankoji**, N. Suresh Kumar, K. Chandra Babu Naidu B. Pradeep Raju  
Structural and luminescence properties of  $\text{Dy}^{3+}$  doped  $\text{La}_2(\text{MoO}_4)_3$  phosphors  
**Applied Physics A**, **127** (2021) 552-7.
8. **Ankoji Parvathala**, R.P. Mohan, Y. A. Kumar, G. M. Ramesh Reddy, M. D. Albaqami, A. Mahmoud, K. Sang, W.Joo  
A novel hybridized needle-like  $\text{Co}_3\text{O}_4/\text{N-CNO}$  composite for superior energy storage asymmetric supercapacitors  
**Journal of Alloys and Compounds**, **908** (2022) 164447-12.
9. **P. Ankoji**, Z.Tirupal Nail. B.H. Rudramadevi  
Luminescence properties of dysprosium doped fluoroborate optical glasses  
**Spectroscopy Letters**, **1080** (2022) 1-9.
10. **P. Ankoji**, N. Suresh Kumar, K. Chandra Babu Naidu B. Pradeep Raju  
Structural and emission properties of  $\text{SrLaAlO}_4$ :  $\text{Dy}^{3+}$  phosphors

**Journal of molecular structure 1270 (2022) 133908-133915.**

11. **P. Ankoji**, B. Sivakumar, H. Umamaheswari, K. Thyagarajan, V. Vijayakanth  
Structural and photoluminescence properties of Dy<sup>3+</sup>-doped KMgBO<sub>3</sub> phosphors

**Journal of Materials Science: Materials in Electronics 637 (2023) 34-40.**

12. **P. Ankoji**, B. Sivakumar, H. Umamaheswari, K. Thyagarajan, B. Munisudhakar  
Structural and photoluminescence properties of Eu<sup>3+</sup> doped KMgBO<sub>3</sub> phosphors

**European Chemical Bulletin 12(5) (2023) 2961-2978.**

13. **P. Ankoji**, B. Hemalatha Rudramadevi

Hydrothermal synthesis and photoluminescence properties of LaAlO<sub>3</sub>:Dy<sup>3+</sup>  
nanophosphors for white light emission.

**(Journal of Materials Science, Under Review).**

## Book Publications

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1. **P. Ankoji**, B. Hemalatha Rudramadevi

Photoluminescence Properties of Rare Earth Ions Doped Nanophosphors

**Lambert Academic Publishing, ISBN 9786204183923 (2021)**

## Patents

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1. **Title: Self-Assembling Organic Nanomaterials for Targeted Drug Delivery**

**Application Number: 202341032906, Filing Date-10/05/2023**

## Computer Skills

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1. Technically proficient in various software useful for data plots (Origin, EXPO-2014, X'High Score Plus)
2. DOS, WINDOWS 10, 8.1, XP
3. C/C++ programming, ORACLE

## Personal Profile

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Name	:	Dr. Parvathala Ankoji
Father's name	:	Parvathala Ramanaiah
Date of Birth	:	04 <sup>th</sup> September 1987
Nationality	:	Indian
Sex & Marital Status	:	Male & Married
Languages Known	:	Telugu, English and Hindi
Alternate Mobile No	:	+91-9963110309
Permanent address	:	Komaravaripalem village, Ballavolu (Po.) Chillakur (Md.), SPSR Nellore(Dt.) Andhrapradesh-524412.

## **Self-Declaration**

I hereby declare that all the information stated above is true to my knowledge and submitting my resume for your kind perusal, I request you to be kind enough to give an opportunity to serve your esteemed organization in the capacity mentioned above; for which act of kindness I shall be very thankful to you.

Place : Pulivendula

(P. ANKOJI)