

CURRICULUM VITAE

Dr. C. SALMA
Lecturer in Physics
DK GOVT Degree College for Women(A)
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Personal Profile:

Name	:	CHITWEL SALMA
Father's Name	:	C Khaseem Peera
Mother's Name	:	C Akhila Banu
Date of Birth	:	25 th April 1990
Marital Status	:	Unmarried
Nationality	:	Indian

Academic Profile:

- **Ph.D. in Physics** from **S.V. University, Tirupati** (2022).
- **M. Sc. in Physics** from **S.V. University, Tirupati** (2012) with an aggregate of **77%**.

Specialization: Electronics

- **B.Sc.** from **Sri Vivekananda Degree college, Kadiri, S. K. University** (2010) with an aggregate of **79%**.
- **Intermediate** from **Sri Sangameswara Junior College, Dharmavaram**, Board of Intermediate Education A.P (2007) with an aggregate of **93%**.
- **SSC** from **A.P. RES. School (G), Gooty**, Board of Secondary Education (2005) with an aggregate of **86%**.

Achievements/Awards:

- **Topper in M.S.C Entrance exam** and receive **Gold medal from the college**
- Qualified in **Andhra Pradesh State Eligibility Test (APSET-2018)**
- Attended as a **Jury Member to the Inspire Awards MANAK-District Level Exhibition** and Project Competition

Acquired Skills:

- Ability to work independently as well as in a team.
- Acquired experimental skills on the preparation of materials.
 - Cast Solution Method
 - Solid State reaction Method
 - Hydrothermal Method
- Adequate experimental knowledge on different characterization techniques:
 - Powder X-ray diffractometer
 - Fourier Transform Infrared Spectroscope
 - UV-VIS-NIR Spectrophotometer
 - Fluorescence Spectra

Publications

Spectroscopic properties of Ho^{3+} : PVA/PVP blend polymer films C. Salma and B. Hemalatha Rudramadevi <i>IOSR Journal Of Applied Physics</i> 12 (2020) 35-44.
Structural and an orange-red emission studies of Sm^{3+} doped $\text{Ba}_3\text{La}_2(\text{BO}_3)_4$ phosphor for solid lighting application M. Peddaiah, C. Salma and B Hemalatha Rudramadevi <i>Optik- International Journal for Light and Electron Optics</i> 244 (2021) 166695-166705
Spectroscopic investigations of Dy^{3+} doped PVA/PVP blend polymer films C. Salma and B Hemalatha Rudramadevi <i>Journal of Polymer and Textile Engineering</i> 9 (2022) 1-6.
Structural and Photoluminescence properties of a trivalent rare earth Sm ion doped PVA/PVP blend polymer films. C. Salma and B Hemalatha Rudramadevi <i>Journal of Ferroelectrics Letters Section</i> 49 (2022) 1-3.
Dazzling red emission properties of Eu^{3+} : PVA/PVP blend polymer films C. Salma and B Hemalatha Rudramadevi <i>Spectroscopic letters</i> (communicated 2022)
Structural and optical properties of trivalent rare-earth ion Dy^{3+} : PVA/PVP blend polymer films C. Salma and B Hemalatha Rudramadevi <i>Luminescence</i> (communicated 2022)

Conferences attended:

Emission analysis of Ho^{3+} and $\text{Ho}^{3+}/\text{Zn}^{2+}$ co-doped PVA Polymer films

C. Salma and B. Hemalatha Rudramadevi

International Conference on Science, Technology and Applications of Rare Earths (ICSTAR-2018); Tirupati, on 23-25 September 2018.

Emission analysis of Ho^{3+} : PVA/PVP blend Polymer Films

C. Salma and B. Hemalatha Rudramadevi

National Conference on Novel Material for Devices Applications (NCNMD); Tirupati, on 04-05 November 2018.

National Conference on Novel Material for Devices Applications (NCNMD); Tirupati, on 04-05 November 2018

Structural analysis and dielectric properties of $\text{Sr}_{0.98}\text{Zn}_{0.02}\text{TiO}_3$ Ceramics

G. Guruvamma, **C. Salma** and b. Hemalatha Rudramadevi

104th Indian Science Congress; S.V. University Tirupati, on 3-7 January 2017.

Seminars / Workshops attended:

Workshop on Materials Characterization Techniques [Problem Solving Approach] held at SRM University, Ramapuram Campus, Chennai during September 2-3, 2016.

Workshop on Spectroscopic Techniques and Applications in Material Characterization held at SV University, Tirupati during February 15-17, 2016.

Workshop on Advanced Materials Characterization Techniques held at ANNAI VAILANKANNI College of Engineering, Chennai during March 1-3, 2022.