

## CURRICULUM VITAE



**MOSALIKANTI SUREKHA**

**LECTURER IN PHYSICS**

**9491846913**

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**No.of Research international papers published: 04**

1. Synthesis and phase transition characterization by polarized optical microscopy and differential scanning calorimetry in hydrogen bonded chiral liquid crystal series: M\*SA:nOBAs, *Molecular Crystals and Liquid Crystals*, 668:1, 1-28, DOI: 10.1080/15421406.2018.1555350, (2018).
2. Relaxation, de Vries behavior, and layer contraction in chiral liquid crystal by dielectric spectroscopy, *Soft Materials*, 16:3, 166-185, DOI: 10.1080/1539445X.2018.1461652, (2018).
3. Spontaneous polarization, tilt angle, hysteresis and low frequency relaxations in hydrogen bonded chiral liquid crystal dimer: M\*SA:9OBA, <https://doi.org/10.1080/00150193.2019.1658045>, (2019).
4. Collective excitations and field induced anti-ferroelectric modes in chiral liquid crystal dimer, *AIP Advances* **10**, 065235, <https://doi.org/10.1063/5.0003469>, (2020).
5. Synthesis, characterization and environmental application of nanocomposites for photocatalysis

**NET:** NET qualified on 25-08-2009 for Lecturer ship in PHYSICAL SCIENCE conducted by joint CSIR-UGC test for JRF and Lecturer ship held on 21-12-2008.

**Post Graduation:** M.,Sc., Physics in April 2009 from Andhra University, Visakhapatnam, achieved Distinction with 9.33 CGPA

**Graduation:** B.Sc., Mathematics, Physics with Chemistry in 2007 from V.S.Lakshmi college, Kakinada, Andhra University with 88%

**Intermediate:** Mathematics, Physics with Chemistry in March 2004, from Gayathri Junior College Kakinada , Board of Intermediate Education, Hyderabad, Andhra University with 88%

**SSC:** Secondary School Certificate in March 2002 from ZP (Women) High School, Gollaprolu, Andhra Pradesh with 82%.

**Languages:** MS Office

**Teaching experience:**

1. Worked as a Lecturer in physics at S.V.D Government degree college, Nidadavole from 04-02-2012 to 02-09-2015.
2. Worked as a Lecturer in physics at Government degree college, Pithapuram from 03-09-2015 to 23-09-2021.
3. Worked as a Lecturer in physics at P.R Government college (A), Kakinada from 24-09-2021 to till now

**No.of Orientation courses attended:** 01

Orientation course at UGC-ASC, University of Hyderabad from 26-04-2012 to 23-05-2012.

**Refresher courses attended:** 01

Refresher course at UGC-ASC, Sri venkateswara University, Tirupathi from 20-01-2014 to 08-02-2014.

**No.of Faculty development courses attended:** 04

1. A Five-day APCCE-US FDP on " New Knowledge in physics and energy materials: Advanced Research Techniques" from 06-07-2020 to 10-07-2020 organised by CCE, A.P, Vijayawada.
2. A Five- day in "LMS video and pedagogy" from 03-08-2020 to 07-08-2020 organised by CCE, A.P, Vijayawada.
3. A Five- day online international FDP on " Online teaching tools for video lecturing and Digital e-learning from 19-05-2020 to 23-05-2020 organised by S.R C.R Reddy college, Eluru-A.P.
4. National level 5 day FDP on "Tools and Techniques for teacher in post Covid-19 scenario" organized by young researchers fourm, Mumbai, Maharastra, India in association with Department of social work, Dr.B.R.Ambedkar University, Srikakulam from 01-06-2020 to 05-06-2020.

**No.of short term courses attended:**

1. 2 weeks on Research Methodologies from 01-05-2016 to 15-05-2016
2. 2 weeks on Intellectual property rights and patents from 16-05-2016

**No.of Webinars attended:** 06

**Webinars conducted:** National webinar "Collaboration of Physics with Technology and Environment",  
conducted on 12-09-2020 at Government Degree College, Pithapuram.

**PERSONAL PROFILE:**

**Name:** M.Surekha

**Fathers Name:** M. Sundara Siva Rao

**Date of Birth:** 09-05-1987

**Sex:** Female

**Nationality:** Indian

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