

CURRICULUM VITAE

Dr S RAMAKANTH

Assistant Professor

Dept. of Physics

University College of Science, Satavahana University

Karimnagar-500 002, Telangana, India

Contact: +91-8008710625, E-mail: suryavamshiramakanth@gmail.com



10/2015-Till date : Assistant Professor, UPGC, GDK, Satavahana University
08/2016-11/2021 : Head, Department of Physics, Satavahana University, Karimnagar
08/2021-20/08/2025 : Principal (FAC), UPGC, GDK and BOS Chairman Physics
21/08/2025-Till date : Principal University College of Science, S.U. KNR.

PG TEACHING EXPERIENCE

10 Years +

COURSES TAUGHT: Theory & Laboratory

Quantum Mechanics I & II, Electromagnetic theory and Optics, Mathematical Physics, Statistical Mechanics
Modern Physics Lab, Optics Lab, Heat and Acoustics lab

RESEARCH ACTIVITIES

Research Publications		Patents		Conferences	
Papers	Book Chapters	National	International	Participation	Invited talks
10	00	01	00	05	02

CURRENT RESEARCH INTEREST

Broad Area: Laser matter interaction, Experimental Condensed Matter Physics, Quantum Computation and Quantum materials

ACADEMIC RECORD

2009-2018: Ph. D [Physics]

Title of Thesis: **Magnetism and Laser Induced Crystallization of BaTiO₃, and Ultrafast demagnetization of Ni films**

Thesis Supervisor: Prof. K C James Raju (Ph.D. UOH)

2007-2009: School of Physics, University of Hyderabad, India

M. Sc (Physics): Passed with first class

2004-2007: Nalanda Degree College, Adilabad Telangana (Affiliated to Kakatiya University, India)

B. Sc (Maths, Physics, Chemistry, with first class)

2002-2004: Nalanda Junior College, Adilabad, Telangana (Board of Intermediate AP)

Intermediate: M.P.C with first class

2001-2002: ZPSS Indervelly, Adilabad, Telangana (Board of Secondary Education AP)

Class X (Mandal Topper)

AWARDS AND FELLOWSHIPS

June 2009: Junior Research Fellow (JRF) CSIR India

LIST OF PUBLICATIONS:

- 1) J. Pundareekam Goud, A Kumar, K Sandeep, **S Ramakanth**, P Goshal, K C James Raju “**Advanced Electronic Materials** 7 (3) 2000905 (2021).
- 2) J.Pundareekam Goud, Mahmoud S.Alkathy, K.Sandeep, **S. Ramakanth**, and K.C.James Raju, **J. Mater.Science.:Materials inElectronics**. 29, 15973-15982 (2018).
- 3) J. Pundareekam Goud, **S Ramakanth**, Andrew Joseph, Sandeep Sharma, G Lakshminarayana Rao, and K C James Raju,**Thin Solid Films**,626, 126 (2017).
- 4) M. Venkatesh, **S. Ramakanth***, A.K. Chaudhary and K.C. James Raju, **Optical Materials Express** 6, 2342 (2016). (* equal authorship)
- 5) J.Pundareekam Goud, A Joseph, **S Ramakanth**, K L Naidu,and K C James Raju, **AIP Conf. Proc.** 1728020293 (2016).
- 6) **S. Ramakanth**, S Hamad, S Venugopal Rao, and K.C.James Raju, **AIPAdvances** 5, 057139 (2015)
- 7) **S. Ramakanth** and K.C.James Raju, **J. Appl. Phys.** 115, 173507 (2014).
- 8) **S. Ramakanth** and K.C.James Raju, **Solid State Commun.** 187, 59 (2014).
- 9) 9. **S. Ramakanth** and K.C.James Raju, **Soft Nano Sci. Lett.**3, 32 (2013).
- 10) **S. Ramakanth** and K. C. JamesRaju, **AIP Conf.Proc.**1447, 1339 (2012).
- 11) **S. Ramakanth** and K. C. JamesRaju , “KrF Laser pulses effect on microstructure of BaTiO₃ films” ICAPSM 2024 (Accepted for AIP Conference Proceedings)

LIST OF PATENTS:

J. Pundareekam Goud, **S Ramakanth**, Ajeet Kumar, K Sandeep Sharma, K C James Raju “A laser-based method to crystallize ferroelectric thin films at sub 300°C temperatures for tunable microwave devices. **Patent No. 499324. Filed on 27/02/2019-Granted on 15/02/2024.**

INVITED TALK/ RESOURCE PERSON

1. Invited talk on July 2017 at “International conference on advanced materials development and performance (**AMDP-2017**)” on **KrF Laser pulses effect on microstructure of BaTiO₃ films** at Savithri bai Phule University, Pune.
2. Invited talk on 22 July 2020 at International Webinar on “**NANO MATERIALS AND ITS TOOLS**” at Idhaya College for Women KombakonamTanjavur, Tamilnadu.

[SURYAVANSHI RAMAKANTH]