

**PITHAPUR RAJAHS GOVERNMENT COLLEGE(A),
KAKINADA - 533 001, EAST GODAVARI, A.P.**

Affiliated to Adikavi Nannaya University

NAAC Accredited with "A" Grade (3.17 CGPA)

DEPARTMENT OF CHEMISTRY



ACADEMIC ACTIVITIES

2021-22

**ONE DAY INTERNATIONAL CONFERENCE NEW
FORAYS OF LUMINESCENCE ADVANCED
MATERIALS & PHOSPHORS**

Date: 7-1-2022



PITHAPUR RAJAH'S GOVERNMENT COLLEGE

AUTONOMOUS & NAAC ACCREDITED WITH "A" GRADE (3.17 CGPA)

Affiliated to Adikavi Nannaya University, Rajamahendravaram

KAKINADA- 533 001



ONE DAY INTERNATIONAL CONFERENCE

ON

NEW FORAYS OF

LUMINESCENCE ADVANCED MATERIALS &

PHOSPHORS

IN MULTI DISCIPLINARY TECHNOLOGIES

(LAMP - 2022)

7th JANUARY 2022



ORGANIZED BY

DEPARTMENTS OF PHYSICS, ELECTRONICS & CHEMISTRY

PITHAPUR RAJAH'S GOVERNMENT COLLEGE (A)

KAKINADA - 533001

About the college:

Pithapur Rajah's Government College(A) established in 1884 has carved a niche for itself in imparting quality higher education in Andhra Pradesh. Accredited by NAAC at grade A in its 3rd cycle during 2017. The college in its annals of over 137 years of glorious past had many feathers in its cap including conferment of the status of 'Colleges with Potential for Excellence' (CPE), on it by UGC in 2010 besides autonomous status during 2000 - 2001. It has been constant Endeavour of the college to realize its vision of rolling out wholesome students with global competencies. An outcome-based Institution to the core, the student-centric framework of the College served as a launch pad to many a student to fulfil their dreams through progression to higher education and securing employment opportunities in Government and Private sectors through optimum deployment of ICT Infrastructure. The ingenious faculty members and their innovative pedagogical strategies, research based and experimental teaching learning processes to enhance quality in teaching, learning other hallmarks of the Institution. The 28 acre lush green campus creates an enriching learning ambience.

About the Conference:

Luminescence is the emission of light by certain materials when they are relatively cool. In this phenomena, light emission does not result from the material being above room temperature. The practical value of luminescent materials lies in their capacity to transform invisible forms of energy into visible light.

The International conference on Luminescent Materials & phosphors is going to spread all the relevant applications of these materials among the research fraternity. It (LAMP-2022) is going to be held on 7th January-2022 at Kakinada being organized by Department of Physics and Chemistry, P.R. Government College (A), Kakinada, India.

Scope of the Conference

The conference on Luminescent Advanced Materials & Phosphors aims to bring the leading academic scientists, researchers and research scholars to exchange and share their experiences and research results on all aspects of luminescent materials. It also provides a premier interdisciplinary platform for researchers, practitioners and academicians to present and discuss the most recent innovations, trends as well as practical challenges encouraged and solutions adopted in the field of Luminescent Materials.

The conference will cover a wide range of areas in luminescence, phosphors, optical materials and Optoelectronic devices. To encourage original contributions of major research ventures it is focused toward the research being carried out in mentioned field and emerging innovations.

Themes:

- Photo, Electro & Thermo luminescence.
- Theoretical aspects & instrumentation of luminescence.
- Luminescence dating.
- Novel applications of luminescence.
- Phosphors and Nano phosphors (preparation and characterization).
- Various applications of Phosphors.
- Biodegradable phosphor composites.
- Photonic materials and lasers.
- Optical materials (nonmaterials, quantum dots, biomaterials, ceramics etc.).
- Optically Stimulated Luminescence (OSL).
- Optoelectronic devices (LEDs, OLEDs, Fiber optic sensors, etc.).
- Radiations effects on luminescence and Space dosimetry.
- Synthesis of OLED Compounds and their applications.
- Industrial applications of Fluorescent Compounds.
- Synthesis and crystal growth study of optically important organic materials.

Registration Fee:

Faculty	: Rs 500
Research Scholars	: Rs 500
Paper presentation	: Rs 1000

The registration fee may be paid through NEFT / RTGS / NET

Banking to Principal, P.R. Government College (A),

Bank Name : **Indian Overseas Bank**

Branch : **Main Branch, Kakinada**

A/c No. : **003101000026555**

IFSC Code : **IOBA0000031**. (OR)

DD in favour to Principal,

P.R. Government College (A), Kakinada.

Note: Cheques will not be accepted

(Registration Fee includes seminar kit, snacks and working lunch)

Online link for Registration:

<https://forms.gle/1GtPYypBPmmbKDoJ6>

Full paper Submission:

Papers are invited from the faculty members and participants.

The papers should be neatly typed in English in Times New Roman with 12 font size and 1.5 spacing (in MS Word format)

and should be sent to prgclamp2022@gmail.com.

All the Co-authors along with the Corresponding author should be registered.

Full papers will be peer reviewed and a book with ISBN number will be published.

Dates to be remembered:

Registration opens : 22 -12 - 2021

Full Paper submission opens : 22 -12 - 2021

Full Paper submission ends : 04 -01 - 2022

KEYNOTE SPEAKER

Prof. K.V.R. Murthy, President,
Luminescence Society of India,
MS University of Baroda, Baroda.

INVITED SPEAKERS

- Prof. K.V.R. Chary, Professor,
University of Rowan, NJ, USA
- Prof. J. Subash, Professor,
University of Rowan, NJ, USA.

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Dr. P. Sara, In-charge of Botany.

How to reach Kakinada:

Kakinada is the district Headquarters of East Godavari District in Andhra Pradesh. Road and Rail connectivity is available from all important places to Kakinada.



Contact on:

9705558292 (K. Jayadev)

9490876913 (T. V. V. Satyanarayana)





Summary of PL results

- We were able to synthesize several phases in the A-N-F (A= alkaline earth) system.
- The emission spectrum shifts to red when the band-gap of the phases decreases.
- We are planning on making mixed alkali metal nitride fluorides to tune the emission wavelengths.