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Pithapur Rajah's Government College (A),

KAKINADA - 533001

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**PITHAPUR RAJAH'S GOVERNMENT
COLLEGE (A), KAKINADA.**



DEPARTMENT OF CHEMISTRY

**NATIONAL SEMINAR ON
"Emerging Trends in Catalytic
Syntheses of Small Molecules"
September 12th 2025.**

ETCSSM - 2025

Resource persons :



Prof. H. Srinivas

IISER, Pune



Prof. D. B. Ramachary

Univ of Hyderabad



Prof. R. B. Murugan

Univ of Hyderabad



Prof. B. Jagan Mohan Reddy

Adikavi Nannaya University

About The College :

Pithapur Rajah's College, one of the earliest institutions of higher education in South India, is located in the Kakinada district of Andhra Pradesh. Established in August 1884 by Sri Rajah Rao Venkata Mahipathi Gangadhara Rama Rao Bahadur, In 1952, the college was taken over by the Government and renamed P.R. Government College. With a rich legacy spanning over a century, the institution celebrated its centenary in March 1984. Recognizing its academic growth, the UGC conferred autonomous status in 2001. Further, in October 2010, the college was identified as a College with Potential for Excellence (CPE). Continuing its journey of quality education, the college has been re-accredited by NAAC for the 4th Cycle.

Today, the college caters to the educational and career needs of over 3,000 students from Kakinada and the surrounding region.

About the Department

The Department of Chemistry, one of the oldest and most prestigious departments at Pithapur Rajah's College, was established in 1952. Over the decades, it has grown into a vibrant hub of learning, offering 4 UG single major programmes that cater to the diverse interests and career goals of students. In addition, the department runs self-financed postgraduate programmes in Organic Chemistry and Analytical Chemistry, equipping graduates with advanced theoretical knowledge and practical skills. The department boasts well-equipped laboratories with state-of-the-art instruments such as a UV-Visible Spectrometer, Atomic Absorption Spectrometer (AAS), Flame Photometer, and Rotary Evaporator, among others. These facilities provide students with valuable hands-on experience and exposure to modern analytical techniques, ensuring they are industry-ready upon graduation. Faculty members, highly qualified and research-oriented, are actively engaged in both teaching and scholarly pursuits, fostering an environment that encourages curiosity, innovation, and problem solving. To enhance employability, the department has established several Memoranda of Understanding (MoUs) with reputed industries and research organizations. These partnerships facilitate internships, industry visits, and placement opportunities for students, bridging the gap between academic learning and professional application.

Theme of the seminar

The seminar will cover recent developments in the catalytic syntheses of small molecules, which are essential in industries such as pharmaceuticals, agrochemicals, and fine chemicals.

Key topics will include new catalytic systems, reaction mechanisms, and sustainable approaches to small molecule synthesis.

Sub- Themes

Catalytic synthesis of API, Green Catalysis, Metal free

Organic synthesis, Nano Catalysis, Electro Catalysis, AI &

Computational approach in catalysis, Photo Redox &

Visible light catalysis in Organic synthesis, Thermal &

Optical Properties of Organic Molecules and Super conducting Organic Polymers.

Invitation to Papers: Participants presenting papers are requested to submit the Abstracts (In word format only) in about 200 words by email to chemistry@prgc.edu.in on or before 04-09-2025, and submit the full papers on or before 08-09-2025. Only four authors are permitted per Paper. Further, Co-authors registration is mandatory.

Registration Fee:

Faculty & Research scholars- ₹.300

Students- ₹ 100

Publication Fee (ISBN) : ₹ 500

Payable in favour of

ACCOUNT: 003101000026555

IFSC CODE: IOBA0000031

CPDC, PR. Govt. College (A) Kakinada.

**Scan QR code
for Registration**



REGISTRATION - 09.00 AM
INAUGURATION - 10.00 AM

Inaugural Address : Dr. K. Anjaneyulu
10.00 AM Principal

Key note Address : Prof. D.B.Ramachary
10.15 AM Univ of Hyderabad.

Session-I
10.30 AM

Gold-catalysed Glycosidations and Their Applications to Biological Systems
Prof. H. Srinivas
Dept. of Chemistry, IISER, Pune.

Tea Break : 11.30 AM

Session-II
11.45 PM

Importance of Organo catalytic Reactions and their applications in pharmaceuticals, natural products and materials.
Prof. D.B.Ramachary , Catalysis Laboratory, School of Chemistry, University of Hyderabad

Lunch Break : 01.00 PM

Session-III
02.00 PM

Unlocking Molecular Diversity Using Propiolic Acid Derivatives
Prof. R.B.Murugan School of Chemistry, University of Hyderabad

Session-IV
03.00 PM

An overview on catalytic hydrogenations in synthetic organic chemistry
Prof.B. Jagan Mohan Reddy, Department of Chemistry, Adikavi Nannaya University.

Tea Break : 04.00 PM

Paper Presentations: 03.00 PM at Conference Hall

Valedictory : 04.15 PM