

One-Day Seminar ORBITAL–2026 & Inauguration of CATALYST Chemistry Club

Theme: *Translating Plant Chemistry into Therapeutic Applications*

The Department of Chemistry organized a **one-day seminar titled ORBITAL–2026** with the objective of enhancing students' understanding of plant-based chemistry and its therapeutic applications through expert interactions. The programme witnessed enthusiastic participation from students and faculty members, making it academically enriching.

The seminar commenced at **10:30 a.m.** with a warm welcome extended to the dignitaries by the **Principal, Vice Principal, IQAC Coordinator, and Head of the Department of Chemistry.** The inaugural session began with a prayer, followed by the **lighting of the ceremonial lamp**, symbolizing the pursuit of knowledge and enlightenment.

During the inaugural session, the **CATALYST Chemistry Club** was formally inaugurated by the distinguished resource persons **Dr. J. Kotesch Kumar**, Chief Scientist, CSIR–CIMAP (RC), Hyderabad, and **Dr. Sudheer Kumar**, Co-Founder, Biogenic Labs, Hyderabad, along with **Principal Prof. K. Karuna Devi, Vice Principal Prof. Y. Vasundhara, IQAC Coordinator Prof. Pramila, and Dr. Kiran Mai**, Head, Department of Chemistry.

Two expert lectures were delivered under the seminar theme. The guest speakers were introduced by **M.Sc. Chemistry IV Semester students**, and the programme was effectively anchored by **UG students**, reflecting active student involvement.

Dr. J. Kotesch Kumar delivered a lecture on *“Medicinal and Aromatic Plants of India: Journey from Farm to Factory,”* highlighting sustainable cultivation, conservation of plant resources, and the role of farmers, research institutions, and industries in medicinal plant development. He also discussed successful commercialization of medicinal plants in pharmaceuticals, nutraceuticals, and aromatherapy products.

Dr. Sudheer Kumar presented a lecture on *“From Bioactive Scaffolds to Drug Leads: The Chemistry of Phytotherapeutics,”* emphasizing the chemical basis of phytotherapeutics. He discussed bioactive compounds such as alkaloids, flavonoids, terpenoids, steroids, and phenolic compounds, along with the application of advanced analytical techniques like **HPLC, GC–MS, LC–MS/MS, and NMR**. The lecture highlighted the importance of medicinal chemistry and interdisciplinary collaboration in modern drug discovery.

The programme concluded with a **vote of thanks** proposed by **Ms. Keerthana Jadhav, BZC III Year**, followed by the **National Anthem**, marking the successful completion of a meaningful academic event.



**ANDHRA MAHILA SABHA
ARTS & SCIENCE COLLEGE FOR WOMEN
Autonomous - NAAC Re-Accredited
O.U.Campus, Hyderabad – 500 007.**



ORBITAL - 2026

Department of Chemistry

Cordially invites you to attend

A ONE-DAY SEMINAR

ON

"Translating Plant Chemistry into Therapeutic Applications"

Guest Speakers

Dr. Jonnala Kotesw Kumar,

Chief Scientist at CSIR-CIMAP, RC, Hyderabad

Dr. Sudheer Kumar Dokuparthi ,

Co-founder of Biogenic Products Pvt. Ltd.,

31st January 2026 at 10.00 a.m

Sri Ch.V.Sai Prasad IA&AS (retd)
Secretary & Correspondent

Dr.K.Kiranmai
Convener

VENUE:M.V.HALL, COLLEGE AUDITORIUM

Sri D.Chakrapani IAS (retd)

Chairman
Prof.K.Karuna Devi
Principal



