

Mohamed Sathak College of Arts and Science

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Sholinganallur, Chennai – 600 119.



REPORT ON ALUMNI CONNECT #3

Title: *Novel Anti-Cancer Composition for Cancer Therapy*

Date: 07 August 2026

Time: 10.00 AM IST

Mode: Online Programme (Google Meet)

SDGs Addressed

- ❖ **SDG 3:** Good Health and Well-being
- ❖ **SDG 4:** Quality Education
- ❖ **SDG 9:** Industry, Innovation and Infrastructure

Greetings to All,

The **PG & Research Department of Biotechnology**, in association with the **Internal Quality Assurance Cell (IQAC)**, Mohamed Sathak College of Arts and Science, successfully organized **Alumni Connect #3**, an online session titled "**Novel Anti-Cancer Composition for Cancer Therapy**" on **07 August 2026** through **Google Meet**. The programme was conducted as part of the department's alumni engagement initiative to provide students with exposure to contemporary cancer research and the translational applications of natural products in therapeutic development. The session enabled students to interact with an accomplished alumnus actively involved in biomedical research and gain insights into current advancements in cancer therapeutics.

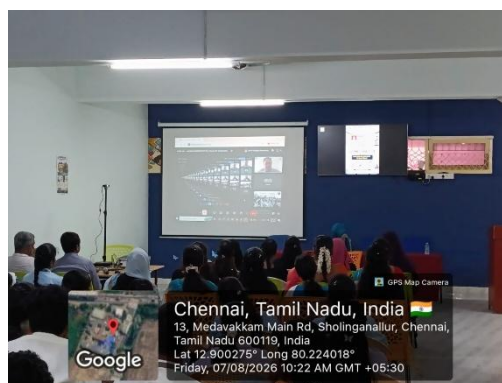
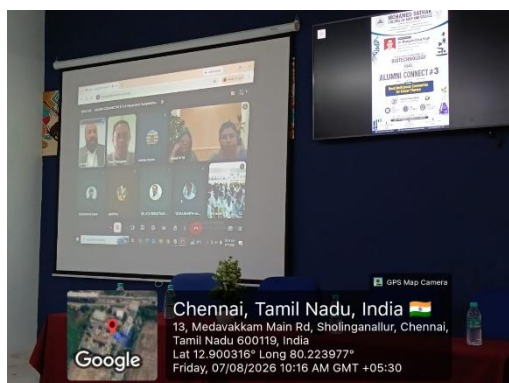
A total of **120 students** and **15 faculty members** actively participated in the programme, making the session highly informative and interactive.

Objective

The objectives of the Alumni Connect programme were to:

- Familiarize students with recent advances in anticancer drug discovery and natural product research.
- Create awareness about translational cancer research and the role of patents in scientific innovation.
- Introduce the therapeutic potential of plant-derived bioactive compounds in cancer treatment.
- Provide exposure to research methodologies employed in developing novel anticancer formulations.
- Motivate students to pursue careers in biomedical research, drug discovery, and higher education.

The programme commenced with a **Welcome Address** delivered by **Dr. N. Yogananth**, who welcomed the gathering and emphasized the importance of alumni interactions in exposing students to emerging research areas and career opportunities. This was followed by the **Felicitation Address** by **Dr. M. S. Mohamed Jaabir, Principal**, and **Dr. M. Syed Ali, Vice-Principal & IQAC Coordinator**, who appreciated the continued involvement of alumni in strengthening academic excellence and research culture within the department.



The resource person was formally introduced by **Mrs. Nasreen Najeeb**, who highlighted the academic achievements and research contributions of **Dr. Thangjam Davis Singh**, Guest Faculty, Department of Biotechnology, Manipur University, Canchipur, Imphal, Manipur, and an esteemed alumnus of the Department of Biotechnology.

Dr. Thangjam Davis Singh delivered an informative lecture on the development of **novel anticancer compositions** using natural products for cancer therapy. He began by discussing the global burden of cancer and the prevalence of leading cancers, emphasizing the urgent need for effective and safer therapeutic strategies. He also shared his research journey, highlighting the importance of scientific collaboration, patents, and teamwork in translating laboratory research into innovative healthcare solutions.

The speaker introduced the medicinal plant *Zanthoxylum armatum* DC, describing its phytochemical significance and therapeutic potential in cancer research. He explained the rationale for investigating plant-derived bioactive compounds as complementary agents to conventional chemotherapy and discussed the advantages of natural products in enhancing treatment efficacy while reducing adverse effects.

A major highlight of the session was the discussion of his published research entitled "**Anticancer properties and enhancement of therapeutic potential of cisplatin by leaf extract of *Zanthoxylum armatum* DC.**" The speaker explained how the study evaluated the anticancer activity of the leaf extract and investigated its synergistic effect with **cisplatin**, one of the most widely used chemotherapeutic drugs. He elaborated on the concept of **combination chemotherapy**, demonstrating how integrating natural products with conventional anticancer drugs may improve therapeutic outcomes and potentially reduce drug toxicity. The findings illustrated

the growing significance of evidence-based natural product research in developing novel cancer treatment strategies.



An engaging interactive session followed, during which students actively raised questions regarding cancer research, natural product-based drug discovery, patent filing, research opportunities, and higher education. The resource person addressed the queries with practical insights from his research experience, making the interaction highly enriching and motivating for the participants.

Outcomes of the Programme

At the end of the Alumni Connect programme, the participants were able to:

- Understand the role of natural products in the discovery and development of novel anticancer therapeutics.
- Gain insights into translational cancer research, patents, and multidisciplinary scientific collaboration.
- Appreciate the therapeutic significance of *Zanthoxylum armatum* and its potential application in combination chemotherapy with cisplatin.
- Recognize the importance of evidence-based biomedical research in improving cancer treatment strategies.
- Develop greater interest in pursuing careers in cancer biology, drug discovery, and biomedical research.

The programme concluded with a heartfelt **Vote of Thanks** delivered by **Dr. S. Ganesh Babu**, who expressed sincere gratitude to the Management, the Principal, the Vice-Principal & IQAC Coordinator, the distinguished resource person **Dr. Thangjam Davis Singh**, the organizing committee, faculty members, students, and all the participants for their enthusiastic participation and valuable contribution to the success of the programme. The session concluded on a positive note, inspiring students to explore innovative research approaches in cancer biology, natural product therapeutics, and translational biotechnology.

Thank You.

Dr. M. Syed Ali
Vice-Principal & Head
PG & Research Department of Biotechnology
Mohamed Sathak College of Arts and Science