

Activity Report

Title of Event	:	Invited talk on “Process of Innovation development, technology readiness level (TRL) commercialization of lab technologies and tech - transfer”
Date	:	4 th February 2025 (Tuesday)
Time/ Mode	:	9.30 a.m.- 10. 30 a.m. / Online – Google meet
Unit Coordinator	:	Dr. S. Divya
Speaker	:	Dr. Leeba Balan

Poster/Banner/Brochure of the event:

Auxilium College (Autonomous), Gandhi Nagar, Vellore - 6
(Accredited by NAAC with A+ Grade in the 4th Cycle)

PG DEPARTMENT OF BIOCHEMISTRY
in association with
Auxilium Innovation & Incubation Centre
organizes Expert talk
on
Process of innovation development, technology readiness level(TRL);
commercialization of lab technologies and tech- transfer



Guest speaker: Dr. LEEBA BALAN , Director
Bionyme Laboratories Private Limited,
Chrompet, Chennai.

Date: 04. 02. 2025 Time : 9.30 10.30 a.m.
Google meet link: <https://meet.google.com/hto-odze-svi>

Patron Dr. (Sr.) Mary Josephine Rani A Secretary	Convenor Dr. (Sr.) Arokia Jayaceli Principal	Co-Convenor Dr. (Sr.) Amala Valarmathy Vice Principal(Shift I & II)
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AIIC COMMITTEE Dr. (Sr.) Sagaya Mary T Vice president Dr. Beulah Suresh – Convenor Dr. S. Divya – Unit Coordinator	PROGRAM COMMITTEE Dr. G. Abi Beulah, Coordinator shift II Dr. M.D. Lakshmi Priya, HOD Dr. B. Lavanya, Asst. Prof Ms. D. Madhumalathi, Asst. Prof Ms. K. Arul Jothi, Asst. Prof Dr. C. Suganthi, Asst. Prof Dr. C. Carlin, Asst. Prof
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ACTIVITY SUMMARY

Objective:

The process of innovation development, technology readiness level (TRL), commercialization of lab technologies, and tech transfer is to efficiently transition scientific research and innovations from the laboratory to real-world applications, maximizing their societal and economic impact.

Key Objectives:

1. Innovation Development:

- Foster creativity and problem-solving to address market or societal needs.
- Develop and refine new technologies through iterative research and prototyping.

2. Technology Readiness Level (TRL) Progression

- Assess and advance the maturity of a technology from basic research (TRL 1) to full commercial deployment (TRL 9).
- Identify gaps in development, testing, and validation to ensure reliability and scalability.

3. Commercialization of Lab Technologies

- Transform lab-scale innovations into viable market products.
- Conduct market analysis to assess demand and potential applications.
- Secure funding and partnerships with industry stakeholders.
- Develop business models and strategies for product launch and scaling.

4. Technology Transfer

- Facilitate the movement of knowledge, processes, and innovations from research institutions to industry or public sectors.
- Protect intellectual property (IP) through patents and licensing agreements.
- Establish collaboration frameworks such as spin-offs, joint ventures, or licensing deals.
- Support startups and entrepreneurs in leveraging research innovations for commercialization.

BRIEF BIO OF SPEAKER

Dr. Leeba Balan is the Director of Bionyme Laboratories Pvt. Ltd., located in Chennai, Tamil Nadu, India. She earned her Ph.D. in Plant Tissue Culture and Phytochemistry of Medicinal Plants from the University of

Madras. Her research interests encompass nanotechnology, protoplast culture, cancer biology, and herbal technology. Dr. Balan has contributed to 17 publications, accumulating over 80 citations. She has also served as a reviewer for the Journal of Molecular Structure. Notably, she secured funding from the Biotechnology Industry Research Assistance Council (BIRAC) for enhancing banana varieties in Tamil Nadu.



KEY OUTCOME

1. Participants gained a deeper understanding of the innovation development process, and commercialization strategies through the insights shared by the guest speaker.
2. Real-world examples and case studies provided practical insights into the challenges and successes associated with technology transfer and commercialization.
3. Participants acquired knowledge applicable to both academic research and industry settings and to promote a bridge between laboratory innovations and market applications.

CONCLUSION

By achieving these objectives, research-based innovations can be successfully developed, scaled, and introduced into industries, benefiting both society and the economy.

Total number of Students participated: 97

Staff Members participated: 08

Principal

AIIC Vice-president

AIIC Convenor

Unit Coordinator

Head of the Department