

One-Day Workshop on Biomedical Innovations: An Awareness Program for Faculty Members

5th Mar 2025

Organized by Sree Chitra Tirunal Institute for Medical Sciences and Technology (SCTIMST), Thiruvananthapuram & National Academy of Sciences India (NASI) – Kerala Chapter

The One-Day Workshop on Biomedical Innovations: An Awareness Program for Faculty Members was successfully held on 5th March 2025 at the Biomedical Technology Wing, SCTIMST. Organized in collaboration with NASI Kerala Chapter, the event aimed to update school and college faculty members about recent advancements in biomedical sciences and innovations. Additionally, it sought to inform them about opportunities available both for educators and their students in the field of biomedical research and careers in science, technology, engineering, and medicine (STEM).

This workshop brought together faculty members from schools and colleges across Kerala for a day of expert lectures, interactive discussions, and laboratory visits. The program was designed to:

- Bridge the knowledge gap in biomedical innovations for educators.
- Enable faculty members to guide their students towards careers in STEM.
- Provide exposure to cutting-edge advancements in biomedical sciences.
- Offer first-hand exposure to state-of-the-art laboratories at SCTIMST.

Key highlights of the workshop include:

- *Expert talks:*
 - Esteemed experts, including Er. Nagesh DS (SCTIMST, Thiruvananthapuram) and Dr. M. R. Sudarsanakumar (Academic Consultant, SCERT, Kerala, Former Principal, M G College, Thiruvananthapuram) delivered insightful lectures on biomedical innovations and academic opportunities for faculty and students. They

shared global perspectives, research advancements, and strategies for integrating biomedical concepts into academic curricula.

- *Laboratory visits:*
 - Participants were given an exclusive tour of state-of-the-art laboratories at the Biomedical Technology Wing, where they explored the latest technologies in biomaterials and medical device development. The hands-on exposure to high-tech equipment and ongoing research projects was highly appreciated by the attendees.
- *Interactive session:*
 - A dedicated interactive session with Dr. Roy Joseph (SCTIMST, Thiruvananthapuram) provided a platform for open discussions on integrating biomedical innovations into teaching methodologies. The session emphasized research collaborations, funding opportunities, and ways to inspire students to pursue careers in STEM.
- *Focus on faculty development:*
 - The workshop was exclusively designed to support school and college faculty members, enabling them to stay updated with the latest advancements in biomedical sciences. By equipping educators with relevant knowledge, the event aimed to enhance their ability to mentor and guide students effectively.

Feedback collected through structured forms indicated that participants found the workshop highly informative and engaging. Faculty members rated the content as outstanding, with a majority stating that the program significantly enhanced their understanding of biomedical sciences. Many expressed gratitude for the initiative's focus on faculty development and appreciated the opportunity to explore research avenues for themselves and their students.

In summary, the One-Day Workshop on Biomedical Innovations successfully met its goal of equipping faculty members with up-to-date knowledge in biomedical sciences, bridging information gaps, and fostering STEM education. The event sparked enthusiasm among educators while offering valuable insights into biomedical advancements and academic opportunities.

The organizers express their sincere appreciation to all expert speakers, participants, and the support team for their efforts in making this workshop a success. Special thanks go to NASI –

Headquarters and the Kerala Chapter for their invaluable support. A heartfelt acknowledgment is extended to Dr. Vijayan Menon (President) and Dr. Deepu Mathew (Secretary) of NASI – Kerala Chapter for their steadfast commitment to promoting scientific knowledge and faculty development. Their support was instrumental in providing faculty members with a platform to explore biomedical innovations and mentor students toward STEM careers. We are truly grateful for their continued dedication to advancing science and education in India.





Warm regards

Dr. Naresh Kasoju (Organizing Secretary) & Dr. Renjith S (Co-Organizing Secretary)
Sree Chitra Tirunal Institute for Medical Sciences and Technology, Thiruvananthapuram