



St. Xavier's College (Autonomous), Kolkata

IST INTERNATIONAL
SYMPOSIUM ON
BIOTECHNOLOGY

organized by

Postgraduate and Research Department of Biotechnology

12th and 13th November, 2024



The Postgraduate and Research Department of Biotechnology at St. Xavier's College (Autonomous), Kolkata, successfully organized its 2nd International Symposium on Biotechnology on 12th & 13th November, 2024. The event was held under the esteemed leadership of Principal, Rev. Dr. Dominic Savio, SJ and Dr. Jhimli Dasgupta, Head of the Department.

This two-day symposium was enriched by the presence of distinguished scientists from across India and abroad.

The organizing committee comprising Dr. Sayak Ganguli (Convener), Dr. Arindam Bakshi, Dr. Ditipriya Hazra (Co-Conveners) and Dr. Souvik Roy (Treasurer) played a pivotal role in the seamless execution of the event, demonstrating exceptional teamwork and dedication.

The poster for the International Symposium on Biotechnology is set against a dark green background with glowing green molecular structures. At the top center is the St. Xavier's College logo and the text: "St. Xavier's College (Autonomous), Kolkata POSTGRADUATE & RESEARCH DEPARTMENT OF BIOTECHNOLOGY". Below this is the CESC logo and the text "presents". The main title "ISBT INTERNATIONAL SYMPOSIUM ON BIOTECHNOLOGY" is displayed in large, colorful letters. The program is divided into two days: "DAY 1 12TH NOVEMBER, 2024" and "DAY 2 13TH NOVEMBER, 2024". Day 1 features an Inaugural Address by Rev. Dr. Dominic Savio, SJ, Principal of St. Xavier's College, and plenary lectures by Dr. Arindam Maitra (National Institute of Biomedical Genomics, Kolkata), Dr. Rupa Mukhopadhyay (Indian Association for the Cultivation of Science, Kolkata), and Dr. Axel Innis (INSERM, University of Bordeaux, France). Day 2 features oral presentations by Dr. Vinod Scaria (Vishwanath Cancer Care Foundation, Bengaluru), Dr. Shamik Chowdhury (Indian Institute of Technology, Kharagpur), and Prof. Helena Freitas (University of Coimbra, Portugal, UNESD Chair in Biodiversity), and poster presentations. At the bottom, there are icons for "PLENARY LECTURES", "ORAL PRESENTATIONS", and "POSTER PRESENTATIONS", along with a row of logos for sponsors and partners: Co-Sponsor (eplabtech), Associate Sponsor (BioSpectrum), Academic Partner (CIATD), Academic Partner (GeNei), Event Partner (BioMagika), Digital Media Partner (edugraph), and Radio Partner (97.5 Radio City).

Glimpses of the Inaugural Session



Glimpses of the Inaugural Session



**Address by Rector,
Rev. Fr. Jeyaraj
Veluswamy, SJ**



**Address by Principal,
Rev. Dr. Dominic
Savio, SJ**



**Welcome Address by
Dr. Sayak Ganguli,
Convener, ISBT 2024**



**Vote of Thanks by
Dr. Jhimli Dasgupta,
Head of the Department**

Launch of the Conference Proceedings



Dr. Aniruddha Banerji, Convener, Proceedings Committee handled the session.

Launch of the Departmental Magazine

14th Edition of Chiasma



Dr. Aniruddha Banerji, Joint Editor, Chiasma 2024 introduced the theme “Biotech Horizons”.

Glimpses of Scientific Lecture Sessions

12th November, 2024



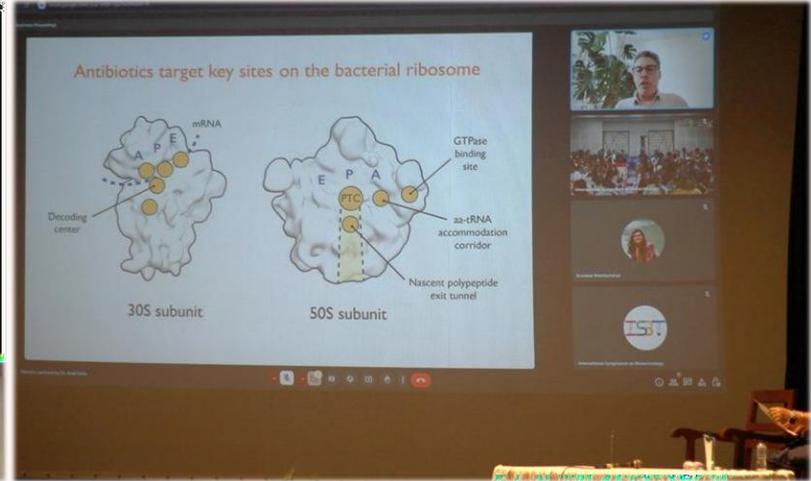
Inaugural address was delivered by Rev. Dr. Dominic Savio, SJ, Principal, St. Xavier's College (Autonomous), Kolkata



Keynote Lecture by Dr. Arindam Maitra, National Institute of Biomedical Genomics, Kalyani



Lecture by Dr. Rupa Mukhopadhyay, Indian Association for the Cultivation of Science, Kolkata



Lecture by Dr. Axel Innis, INSERM, University of Bordeaux, France

Glimpses of Scientific Lecture Sessions

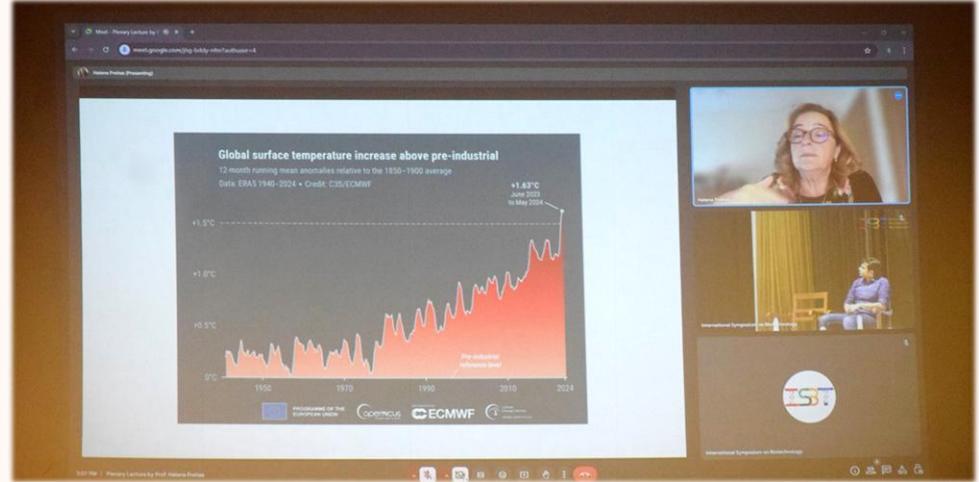
13th November, 2024



Keynote Lecture by
Dr. Vinod Scaria,
Vishwanath Cancer Care
Foundation, Bengaluru



Lecture by
Dr. Shamik Chowdhury,
Indian Institute of
Technology, Kharagpur



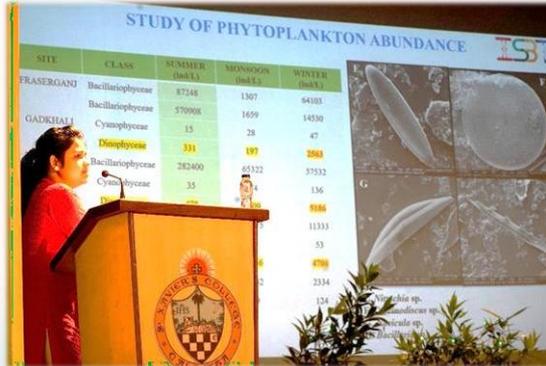
Lecture by
Prof. Helena Freitas,
University of Coimbra, Portugal
UNESCO Chair in Biodiversity

Scientific Session by



A special scientific session was conducted by our esteemed Associate Sponsor, Prescience Insilico, featuring a live demonstration of their cutting-edge AI-powered drug discovery platform, PR*in*S³. Dr. Seema Mittal, Program Director for Innovations and Outreach, showcased how digital R&D is delivering extraordinary impact in the field of life sciences. This session provided invaluable insights for students and researchers, emphasizing the evolving role of artificial intelligence in modern drug development.

Oral Presentation Session



•Alongside the enlightening plenary lectures, the symposium featured oral presentations by faculty and research scholars from over ten institutions, highlighting diverse advancements in biology and encouraging meaningful academic exchange.

•The oral presentations were judged by Dr. Urmi Chatterji and Dr. Geetanjali Sundaram.

Poster Presentation Session



Poster presentations by students, research scholars and faculty members from esteemed institutions across the country were held on both days, featuring a broad range of research spanning biotechnology and various other fields of biology.

The poster presentations were judged by Prof. Aniruddha Mukhopadhyay, Prof. Sanghamitra Bandopadhyay and Dr. Shamik Chowdhury.

Moments from the Cultural Program



Moments from the Cultural Program



A captivating cultural program depicting “The Journey of a Researcher” was presented on the first day, bringing a sense of hope and inspiration. The program was thoughtfully directed by Dr. Souvik Roy, Assistant Professor in the Postgraduate and Research Department of Biotechnology at St. Xavier’s College (Autonomous), Kolkata.

Valedictory Session



Poster Presentation by Faculty

1. Joint Winners:

- **Dr. Maitrayee Mondal**, Department of Microbiology, Dinabandhu Andrews College, Kolkata
- **Poulomi Biswas**, Eminent College of Pharmaceutical Technology, Kolkata

2. Runner-up: **Sangita Palai**, Eminent College of Pharmaceutical Technology, Kolkata

Poster Presentation by Research Scholars

1. Joint Winners:

- **Sicon Mitra**, Postgraduate and Research Department of Biotechnology, St. Xavier's College (Autonomous), Kolkata
- **Rupsha Karmakar**, Postgraduate and Research Department of Microbiology, St. Xavier's College (Autonomous), Kolkata

2. 1st Runner-up: **Sarmishta Mukhopadhyay**, Postgraduate and Research Department of Biotechnology, St. Xavier's College (Autonomous), Kolkata

3. Joint 2nd Runner-up:

- **Swarnavo Chakraborty**, Postgraduate and Research Department of Biotechnology, St. Xavier's College (Autonomous), Kolkata
- **Debava Chaudhuri**, Postgraduate and Research Department of Biotechnology, St. Xavier's College (Autonomous), Kolkata

Valedictory Session



Poster Presentation by Students

1. Winner: **Aditya Banerjee** and **Dishari Ghosh**, Department of Biotechnology, Techno India University, Kolkata
2. 1st Runner-up: **Baibhab Chakraborty** and **Sampoorna Dey**, Postgraduate and Research Department of Biotechnology, St. Xavier's College (Autonomous), Kolkata
2. 2nd Runner-up: **Nitika Samanta**, Dinabandhu Andrews College, Kolkata

Oral Presentation by Research Scholars

1. Winner: **Navaneel Sarangi**, Evolutionary Venomics Lab, Centre for Ecological Sciences, Indian Institute of Science, Bangalore
2. 1st Runner-up: **Dr. Neelanjana Sarkar**, Department of Developmental Biology and Genetics (DBG), Indian Institute of Science, Bangalore
3. 2nd Runner-up: **Renia Mullick**, PG Department of Botany, Lady Brabourne College, Kolkata



The organizing committee extends its heartfelt congratulations and sincere gratitude to all students, support staff, faculty members and members of the administration for their unwavering support and contributions which were instrumental in making the symposium a resounding success.



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