

Registration Details

Students and Scholars	INR 500
Faculty and Industry Personnel	INR 700
International Delegates	\$ 100

Important Dates

- Last date of Abstract Submission: 15th February, 2025
- Notification of acceptance of abstract: 20th February, 2025
- Registration Deadline: 5th March, 2025 for participation

To register kindly scan the QR code or click on the link below:



<https://portal.kristujayanti.edu.in/event-2nd-international-conference-on-transdisciplinary-research-in-life-sciences-planetary-health-ictrls>

Abstract Submission Guidelines

Structured abstract should be maximum 250 words with objectives, scope, results and discussion of the research. It should be typed in English with 1.5 line spacing in MS Word with Times New Roman 12 font size, should contain name of author(s) along with e-mail address and affiliation.

Kindly send the abstracts to lsevents@kristujayanti.com

Guidelines for Paper Submission

Selected manuscripts will be published in "Biocatalysis and Agricultural Biotechnology" an Elsevier Journal. Please click on the link <https://www.editorialmanager.com/bab/default.aspx> for the instructions and guidelines to submit the full paper. The decision of the journal remains final regarding the acceptance of the manuscripts submitted.

The submitted articles can also be published in "Kristu Jayanti Journal of Core and Applied Biology" (ISSN 2583-6110), the in-house journal of the Department of Life Sciences, Kristu Jayanti College. Please click on the link <https://www.kristujayantijournal.com/index.php/ijls> for the instructions and guidelines to submit the full paper.

All abstracts will be compiled in the book of abstracts with the ISBN number.

Authors submitting articles to the journals have to present papers during the conference.

Accommodation

Accommodation, on request, to be done by the participants latest by 28th Feb 2025.

No TA/DA will be provided.

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For further details visit:

www.kristujayanti.edu.in

<https://shorturl.at/fGyQq>



Kristu Jayanti College
AUTONOMOUS Bengaluru
Reaccredited A++ Grade by NAAC | Affiliated to Bengaluru North University



DEPARTMENT OF LIFE SCIENCES

Organises

KSCST Sponsored

2nd International Conference on

Transdisciplinary Research in Life Sciences (ICTRLS): Planetary Health

in collaboration with

The University of Trans-Disciplinary Health Sciences and Technology (TDU)
University of Michigan- Flint, USA
Belmont University, USA

6th and 7th March, 2025

Kristu Jayanti College, founded in 1999, is managed by "BODHI NIKETAN TRUST", formed by the members of St. Joseph Province of the Carmelites of Mary Immaculate (CMI). The College is affiliated to Bengaluru North University and is reaccredited with grade 'A++' in 2021 by NAAC in the third cycle of accreditation. The college is recognized by UGC under the categories 2(f) & 12B. The college has been accorded Autonomous status since 2013 by the University Grants Commission, the Government of Karnataka & Bangalore University. In the NIRF 2024, our college has been ranked 60th place in the top 100 colleges in the country. The college was accorded 'DBT Star College status under the strengthening component' by the Department of Biotechnology, the Ministry of Science & Technology and the Government of India.

The Department of Life Sciences was started in the year 2002, with the aim of providing comprehensive inputs to aspiring students in the field of Life Sciences. The Department offers B.Sc. programmes in Biochemistry, Biotechnology, Botany, Genetics and Microbiology and M.Sc. programmes in Biochemistry, Biotechnology and Microbiology. The Department has been endowed the status of a Research Centre in Biotechnology of Bangalore University. With the commitment of the faculty members to educational excellence, well equipped and state of the art laboratories for different programmes and research laboratories, the Department strives to serve the students in enhancing their scientific temperament and enable them to prove scholarly knowledge in various emerging fields of Life Sciences.

The University of Trans-Disciplinary Health Sciences and Technology (TDU) sponsored by the FRLHT Trust, was legislated by the Government of Karnataka, in 2013. The primary mission of TDU revolves around fostering trans-disciplinary research and education. In its initial ten years of operation, TDU has concentrated its efforts on a singular domain: the intersection of Ayurveda and Biology. Notably, it has amassed a substantial collection of Ayurvedic medical literature and has developed robust research infrastructure in areas such as phytochemistry, genetics, microbiology, molecular and cell biology.

The University of Michigan-Flint, established in 1956, is one of the three campuses of the prestigious University of Michigan system, renowned for its rigorous academic programs and strong community engagement. Located in the heart of downtown Flint, the university serves as an essential educational and cultural hub for the region. UM-Flint a mid-sized doctoral university offers over 100 undergraduate and graduate programs across various disciplines, including business, innovation and technology, health sciences, arts science and education, fostering a dynamic learning environment that integrates academic theory with global and local perspectives for a sustainable practical application.

Belmont University, located in the vibrant heart of Nashville, Tennessee, is dedicated to transforming students into leaders of purpose, character, and impact. Known for its high academic standards and a deep commitment to fostering innovation, Belmont stands as a nationally recognized institution that prioritizes excellence in education, entrepreneurship, and community engagement. With a rich history spanning decades, Belmont has grown into one of the most respected universities in the country, offering more than 115 areas of undergraduate study, 41 master's programs, and five doctoral degrees.

Preamble

The **International Conference on Transdisciplinary Research in Life Sciences: Planetary Health (ICTRLS)**, organized by the Department of Life Sciences at Kristu Jayanti College in collaboration with **The University of Trans-Disciplinary Health Sciences and Technology (TDU)**, **University of Michigan-Flint (USA)**, and **Belmont University (USA)**, is set to be a key event for scientific knowledge exchange. Scheduled for **March 6th-7th, 2025**, at Kristu Jayanti College, Bengaluru, Karnataka, India, the conference will bring together a diverse range of scientists, academicians, industry professionals, and experts to discuss innovative research in life sciences with a focus on planetary health.

The event will feature informative discussions on solutions, achievements, trending issues, and future strategies in transdisciplinary research, offering a platform for knowledge transfer and collaboration across multiple domains of biological sciences. Keynote addresses and presentations by prominent national and international scientists will be complemented by opportunities for researchers to showcase their work through oral and poster presentations.

Sessions and Speakers

Day 1



Keynote Address

Prof. Chandrabhas Narayana

Director
Rajiv Gandhi Centre for Biotechnology
Thiruvananthapuram



Technical Session II

Dr. Phalguni Anand Alladi

Scientist G
National Institute of Health and
Neurosciences, Bengaluru
Hunting the biomarker for Parkinson's
disease and cognitive deficit



Technical Session I

Dr. Yukie Yakota

Assistant Professor
Faculty of Science and Technology
Sophia University, Tokyo, Japan
Visible and near-infrared driven
hotodegradation with noble metal nanoparticles

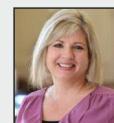


Technical Session III

Dr. Megha

Associate Professor
Centre for Ayurveda Biology and
Holistic Nutrition, TDU, Bengaluru
Traditional foods to address health
challenges: Studies from lab to community

Day 2



Technical Session IV

Dr. Shelby Garner

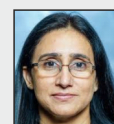
Director of Global Health Innovation
Office of Aspirational Excellence
Belmont University Nashville, United States
International and interdisciplinary research
to advance health outcomes



Technical Session VI

Dr. M. Mahadeva Murthy

Professor and Head
College of Agriculture, University of
Agricultural Sciences, GKVK, Bengaluru
Transdisciplinary research in wildlife biology



Technical Session V

Dr. Tanu Rana

Associate Professor of Microbiology and Immunology,
Thomas F. Frist, Jr. College of Medicine, Belmont University Nashville, United States
Intracellular survival and persistence of the gestational pathogen *Escherichia coli*

THEMES OF THE CONFERENCE

ICTRLS invites authors to contribute to the conference by submitting original, unpublished articles in the field of biological sciences in the following sub themes:

Theme I: Transdisciplinary Approach to Health and Disease

- Drug Discovery and Development
- Transcriptomics and Pharmacogenomics
- Technological Interventions in Health Analytics
- Proteomics and Protein Structure Prediction
- Clinical Bioinformatics and Computational Biology
- Chronic Disease Management and Preventive Health Strategies

Theme II: Ethnopharmacology and Health

- Therapeutics of Medicinal Plants and Pharmacognosy
- Phytochemistry/Herbal Pharmacology
- Ethnobotany/Drug Discovery from plants
- Cancer and Precision Medicine
- Disease Modifying Therapies
- Pharmacokinetics and Pharmacodynamics

Theme III: Microbes and Planetary Health

- Microbiota and Human Health
- Climate Change and Microbes

- Microbiome
- Probiotics and Prebiotics
- Antibiotic Resistance
- Marine and Freshwater Microbiology

Theme IV: Environmental Science

- Pollution control and Environmental Health
- Waste Management and Valorisation
- Water Pollution Control and Sustainable Practices
- Climate Change Mitigation and Resilience Strategies
- Green Technologies and Sustainable Agriculture
- Integrating Environmental Health and Climate Action

Theme V: Wildlife Biology

- Forestry
- Conservation Biology
- Evolutionary Biology
- Native Plant Restoration
- Wildlife Management

Theme VI: Nanotechnology

- Nanomaterials and Nanomedicine
- Nanotechnology in Agriculture
- Bionanofabrication Techniques
- Nanotechnology for Cleaner Planet
- Nanomaterial in Energy
- Bionanoparticles