



VIT[®]

Vellore Institute of Technology
(Deemed to be University under section 3 of UGC Act, 1956)



**16th Annual Convention of ABAP &
INTERNATIONAL CONFERENCE ON RECENT ADVANCES IN
BIOTECHNOLOGY AND ENVIRONMENTAL SCIENCE
(ICRABES)**

**16th to 18th
December, 2022**

Organized by:

School of Biosciences and Technology,
Vellore Institute of Technology,
Vellore- 632014,
Tamil Nadu, India

Sponsored by



सत्यमेव जयते

Department of Biotechnology,
Ministry of Science and
Technology, Government of India

In collaboration with:

**Association of Biotechnology and
Pharmacy (ABAP)**

ABOUT VIT

Vellore Institute of Technology (VIT) is a private deemed University located in Vellore, India. VIT has campuses in Vellore, Amravati, Bhopal and Chennai. VIT has been consistently ranked among the best institutions of the country, and is aspiring to emerge as a global leader. The National Institutional Ranking Framework (NIRF) of the MHRD, Government of India, has identified VIT as the best Private Engineering Institution in India. With students from all the states of India and from more than 50 countries, the cosmopolitan VIT provides an appropriate ambience for holistic learning and comfortable living. VIT holds an exemplary placement record by consistently placing more than ninety percentage of the students in good companies. The VIT's international linkages provide ample opportunities for students and faculty to gain global exposure. VIT alumni, spread across the world, are serving the most advanced as well as the most deprived societies. FICCI awarded "Excellence in enabling Research Environment" for the year 2019.

ABOUT SBST

The School of Bio Sciences and Technology consists of four departments namely Biotechnology, Integrative Biology, Bio-Sciences and Bio-Medical Sciences headed by well-trained professors. The school offers an undergraduate (B.Tech. Biotechnology) and six Postgraduate (M.Sc. and M. Tech.) programme. It also offers Integrated Ph.D. and Ph.D. programme. The priority of the SBST is developing entrepreneurship skills and mentoring students to become future scientists for the improvement of humanity. Our efforts are strengthened by collaboration with national, international Universities and multinational companies. Consultancy research and commercialization of products at the University are undertaken as a part of the program. The school houses excellent infrastructure and well-trained faculty members which makes SBST one among the top ten Bio School in the country.

ABOUT ABAP

The Association of Biotechnology and Pharmacy (ABAP) was established in the year 2007 for the development of science in the fields of Biotechnology and Pharmacy. The main objective of ABAP is to form a forum for scientists so as to bring them together to discuss and find scientific solutions to the contemporary issues on these two important areas. The annual meetings of ABAP help the members to interact, induct young aspirants, exchange the knowledge, explore the future research needs, solve the local issues and publish their findings. The association organizes symposia, seminars and workshop on current developments of Biotechnology and Pharmacy, particularly on the subject of current scientific interest in Schools and Universities across India. In view of the vast development in the dissemination of research work, an international journal of Current Trends in Biotechnology and Pharmacy was started by ABAP (ISSN: 0973 8916 –Print; 22307303-online). And every year the ABAP announces Life time awards in Biotechnology, Pharmacy and Industrial Biotechnology areas.

ABOUT ICRABES

International Conference on Recent Advances in Biotechnology and Environmental Science (ICRABES) themes are framed based on the United Nations 2030 agenda. This agenda has put forward 17 sustainable developmental goals (SDG's) and its respective 169 targets. All these together will result in equilibrium in three different dimensions (1. Environmental, 2. Economic and 3. Social) of an individual.

Sustainable developmental goals are framed in a way that it takes into consideration of each and every individual on this planet, has the right to lead a healthy life with all the necessary amenities wherein she/he could utilise her/his full potential to serve herself/himself, to the society and to the world as a whole.

BROAD THEMES

1.Environmental (Covering SDG's - 6, 11, 12, 13, 14, 15 & 17)

- i. Environmental and Nanobiotechnology
- ii. Biodiversity and conservation
- iii. Bioremediation
- iv. Micro and Nano plastics
- v. Marine products
- vi. Climate change and its effect on environment

2. Economic (Covering SDG's – 1, 2, 8, 9 & 17)

- i. Plant and Agricultural Biotechnology
- ii. Microbial and Industrial Biotechnology

3. Social (Covering SDG's - 1, 2, 3 & 17)

- i. Bioinformatics and Computational biology
- ii. Medical and Pharmaceutical Biotechnology
- iii. Vaccines and Immunotechnology

This conference will provide a forum to:

- Present the new developments in the conference theme
- Disseminate the high-quality research results
- Discuss the future developments on Biotechnology and environmental issues

SUBMISSION OF ABSTRACTS

- Under each scientific theme abstracts are invited through online submission in MS word format - Font "Times New Roman", size "12" with line spacing "1.5" and abstract should not exceed 250 words.
- Under each theme 3 awards will be given to best poster presentations.
- Certificate will be provided for all the registered participants.

Submission of abstract : <https://forms.gle/CA2AADHB9awxm7Yz7>

PUBLICATIONS



Articles related to **Marine Biotechnology and Marine products** will be published in the Special Issue: **Discovery of Marine Bio-products and Their Diversified Applications** in the Journal **Aquaculture International**

For more details refer to the following link

<https://link.springer.com/collections/dfchafhjjd>



Articles related to **Microbial Biotechnology** will be published in the special issue **Microbial Biotechnology for Sustainable Environment** in the Journal **Microbiology (Springer)**



Articles related to **cell biology, biochemistry, physiology, and ecology** will be published in the special issue of the Journal **Biology Bulletin (Springer)**



Articles related to Biotechnology and Pharmacy will be published in the special issue of the Journal **Current trends in Biotechnology and Pharmacy**

All the submitted articles to the special issue will undergo a peer review process before acceptance. Only quality articles will be accepted for publication.

REGISTRATION

Registration Fee (including GST)

Delegates from Academia/R&D Organization	: Rs. 4000
Delegates from Industry	: Rs. 5000
Research Scholars and Students	: Rs. 3000
Internal (VIT) Research Scholars	: Rs. 1500
Internal (VIT) Students	: Rs. 1000
Group registration (5 members x 1500)	: Rs. 7500
International Participants	: 100 USD

Registration fee for participants includes: Attendance to all the conference sessions, keynotes, conference materials, certification, souvenir and proceedings, refreshments/meals during the

ACCOMMODATION

Accommodation in Hostel: Accommodation will be provided in the VIT Men's/Ladies Hostel (only dormitory) within the campus on a payment basis (Rs. 441 per person per night)

Guest house : Accommodation will also be arranged in VIT Guest house on request (<https://vit.ac.in/guest-house>).

Kindly contact Dr. Arnold Emerson (9442309479 – iarnoldemerson@vit.c.in)

Alternatively, a range of hotels is available in and around Katpadi.

Confirmed Speakers

Prof. Vitor Vasconcelos, Interdisciplinary Center of Marine and Environmental Research, Portugal

Prof. Toshiaki Itami, Fukuyama University, Fukuyama, Hiroshima, Japan

Prof. Dr. Ing. Miroslav Černík, Technical University of Liberec, Czech Republic

Prof. Thava Palanisami, Environmental Plastics Innovation Cluster, Global Innovative Centre for Advanced Nanomaterials, The University of Newcastle, Australia

Prof. Natarajan Muthusamy, Comprehensive Cancer Center, Ohio State University, USA

Prof. Madhavan Nair, Florida International University, USA

Prof. Indranil Biswas, University of Kansas Medical Center, USA

Dr. Siva Kumar Panguluri, University of South Florida, USA

Prof. Manoj K. Mishra, Alabama State University, USA

Dr. Suresh Babu Naidu Krishna, Durban University of Technology, Durban, South Africa

Prof. Datta Madamwar, Charotar University of Science and Technology, Anand, Gujarat.

Prof. Y. Rajendra Prasad, Andhra University, Visakhapatnam, A.P.

Dr. M. Sudhakara Reddy, Thapar Institute of Engineering & Technology, Patiala, Punjab

Dr. Jagadis Gupta Kapuganti, National Institute of Plant Genome Research, New Delhi

Prof. T.Pullaiah, Sri Krishnadevaraya University, Anantapur, A.P

Prof. G. Rajitha, Sri Padmavati Mahila Visvavidyalayam, Tirupathi

Dr Estari Mamidala, Kakatiya University, Warangal, Telangana

Prof. N. Senthil Kumar, Mizoram University, Aizwal, Mizoram

Prof. S. Rama Rao, North-Eastern Hill University, Shillong, Meghalaya

Prof. G. Gurusubramanian, Mizoram University, Aizwal, Mizoram

Prof. Y. Sart Chandra, Nagaland University, Lumami, Nagaland

Dr. P. Sudhakar, Acharya Nagarjuna University, Guntur, A.P.

Dr. K Murugesan, Periyar University, Salem, Tamil Nadu

Dr. T. Kathiresan, Kalasalingam Academy of Research and Education, Srivilliputhur, TN.

Prof. Rachana, Jaypee Institute of Information Technology, New Delhi

Dr. K. B. Rameshkumar, Jawaharlal Nehru Tropical Botanic Garden and Research Institute, Palode, Thiruvananthapuram, Kerala

Dr. Parthiban Velayutham, ACTREC & Tata Memorial Hospital, Mumbai

Dr. Vinod V.T Padil, Technical University of Liberec, Czech Republic

Prof. G. Raja Rami Reddy, Vikram Simhapuri University, Nellore, India

Prof. KS Jagannadha Rao, KL University, A.P. India

IMPORTANT DATES

Last date for abstract submission : 25th November 2022

Intimation of acceptance of abstract : 30th November 2022

Last date for registration fee payment : 5th December 2022

Conference dates : 16th to 18th December 2022

ORGANIZING COMMITTEE

Chief Patron

Dr. G. Viswanathan

Chancellor, Vellore Institute of Technology

Patrons

Mr. Sankar Viswanathan, Vice President – VIT
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Mr. G V Selvam, Vice President, VIT
Dr. Rambabu Kodali, Vice Chancellor, VIT
Dr. Partha Sharathi Mallick, Pro-Vice Chancellor(i/c), VIT
Dr. T Jayabarathi, Registrar (i/c), VIT

Conference Chairs

Dr. K R S Sambasiva Rao, General Secretary, Association of Biotechnology and Pharmacy
Dr. R Siva, Dean, School of Bio Sciences and Technology, VIT
Dr. Jayanthi Abraham, Associate Dean, School of Bio Sciences and Technology, VIT

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Dr. V Pragasam, School of Bio Sciences and Technology, VIT

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Dr. S Vino, Head, Department of Bio Sciences, SBST
Dr. S Asha Devi, Head, Department of Bio-Medical Sciences, SBST
Dr. N Everette Jacob Remington, Head, Department of Integrative Biology, SBST

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Dr. Satarupa Banerjee	Dr. R Gnanasambandan

ADDRESS FOR CORRESPONDENCE

The Convenor

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