



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



Programme Schedule

International Conference on

Recent Advances in Biotechnology and Environmental Science (ICRABES)

16th to 18th December 2022

16 th December 2022 – Friday	
08.30-09.30	Registration (Main Building Portico)
09.30-11.00	Inauguration (Dr.M. Channa Reddy Auditorium)
11.00-11.30	Tea Break
	<p>Session 1 - Dr.M. Channa Reddy Auditorium Session Chair: Prof. G. Raja Rami Reddy, Former Vice Chancellor, Vikram Simhapuri University, Nellore, India Rapporteur: Prof. V Pragasam, School of Bio Sciences and Technology, VIT</p>
11.30-12.15	<p>Prof. K. S. Jagannatha Rao, KL Deemed to be University, Guntur, AP <i>A novel pathway in understanding ALS through TDP43 -DNA interactions</i></p>
12.15-13.00	<p>Prof. Natarajan Muthusamy Dept. of Internal Medicine, The Ohio State University, USA <i>Leukemia Initiating Cells in Chronic Lymphocytic Leukemia- Do they really exist and can we target them?</i></p>
13.00-14.00	Lunch – CS Hall (near Anna Auditorium)
14.00-17.30	Oral Presentation - Young Scientist Award above 30 years – SMV209
	<p>Session 2 – Dr. Ambedkar Auditorium (Technology Tower) Session Chair: Dr. C Ramalingam, SBST, VIT Rapporteur: Dr. C. George Priya Doss, SBST, VIT</p>
14.00-14.30	<p>Prof. Datta Madamwar Charotar University of Science & Technology, Anand, Gujarat, India <i>Characterization and Therapeutic Applications of Phycobiliproteins from Cyanobacteria</i></p>
14.30-15.00	<p>Prof. Y. Rajendra Prasad College of Pharmaceutical Sciences Andhra University Visakhapatnam, Andhra Pradesh <i>A natural approach to pharmaceuticals</i></p>
15.00-15.30	<p>Prof. Madhavan Nair Florida International University, USA <i>Getting into the Brain: Potential of Nanotechnology to Manage Neuro-AIDS and Drug Addictions</i></p>
15.30-15.55	<p>Dr. Kapuganti Jagadis Gupta National Institute for Plant Genome Research, New Delhi <i>The potential role of Phytoalbumin-NO cycle in anaerobic germination and submergence tolerance of deepwater rice</i></p>

15.55-16.15	Tea Break	
	Session 3 – Dr. Ambedkar Auditorium (Technology Tower) Session Chair: Prof. C Shanthi , Director Library, VIT Rapporteur: Dr. Sangeetha Subramanian , SBST, VIT	
16.15-16.40	Prof. T.Pullaiah Department of Botany, Sri Krishnadevaraya University, Anantapur	<i>Biotechnological Interventions of Medicinal plants</i>
16.40-17.05	Prof. M. Sudhakara Reddy Thapar Institute of Engineering & Technology, Punjab, India	<i>Photoautotrophic bacteria: a bioresource material for biocemenetation</i>
17.05-17.30	Prof. G. Rajitha Institute of Pharmaceutical Technology, Sri Padmavati Mahila Visvavidyalayam, Tirupati, Andhra Pradesh, India	<i>Computational Methods in Drug Discovery: An Overview</i>
17.30-17.55	Prof. Sarat Chandra Yeniseti , Nagaland University (Central), Lumami, Nagaland, India.	<i>Nutraceutical Curcumin's Dopaminergic Neuroprotective Efficacy is Mediated through Differential Regulation of Brain Dopamine Metabolism: Insights from Drosophila Model of Parkinson's Disease</i>
19.00-20.00	Cultural programme – CS Hall	
20.00-21.00	Dinner – CS Hall	
17th December 2022- Saturday		
9.30-13.00	Poster session I – Anna Auditorium	
	Session 4 – Dr. Ambedkar Auditorium (Technology Tower) Session Chair: Prof. V Krishnan , Director, CBST, VIT Rapporteur: Dr. A Mohana Priya , SBST, VIT	
9.30-10.00	Dr. Masaharu Mizukami Fukuyama University, Hiroshima, Japan	<i>Bacterial Diseases of Ornamental Fish in Japan</i>
10.00-10.30	Prof. Indranil Biswas University of Kansas Medical Center, USA	<i>Developing novel antimicrobials against Acinetobacter baumannii, an atypical pathogen</i>
10.30-11.00	Prof. Manoj K Mishra Department of Biological Sciences, Alabama State University, USA	<i>Modulation of immune cells in cancer progression and clearance</i>
11.00-11.30	Tea	
	Session 5 – Dr. Ambedkar Auditorium (Technology Tower) Session Chair: Prof. Anilkumar G , SBST, VIT Rapporteur: Dr. S. Mythili , SBST, VIT	
11.30-12.00	Dr. Siva Kumar Panguluri Department of Pharmaceutical Sciences, Taneja College of Pharmacy, University of South Florida, Tampa, Florida, USA.	<i>Supplemental oxygen: A Friend or Foe?</i>

12.00-12.30	Dr. Parthiban K Velayutham HBNI faculty in the Department of Surgical Oncology, Tata Memorial Centre, ACTREC, Mumbai	<i>Traumatic brain injury and the molecular profiles</i>
12.30-13.00	Prof. T. V. Ramana Rao VIGNAN's Foundation for Science, Technology & Research, Guntur, AP	<i>Emerging Eco-friendly and Affordable Technologies for Improvement of Postharvest of Shelf Life and Quality of Fruits and Vegetables</i>
13.00-14.00	Lunch – CS Hall	
14.00-17.30	Poster session II – Anna Auditorium	
	Session 6 – Dr. Ambedkar Auditorium (Technology Tower) Session Chair: Dr. Pragasam, V , SBST, VIT Rapporteur: Dr. E Nalini , SBST, VIT	
14.00-14.30	Prof. Vitor Vasconcelos Interdisciplinary Center of Marine and Environmental Research (CIIMAR/CIMAR), Portugal.	<i>Cyanobacteria secondary metabolites: biotechnological applications and toxicological impact.</i>
14.30-14.55	Prof. Satyawada Rama Rao North-Eastern Hill University, Shillong, Meghalaya	<i>Cytogenomic studies in Vigna mungo L. (Hepper)- an important leguminous crop of India</i>
14.55-15.20	Prof. Rachana Department of Biotechnology, Jaypee Institute of Information Technology, Noida, New Delhi	<i>Molecular mechanism behind Adult Respiratory Distress Syndrome and Development of nano therapeutics from natural resources against ARDS</i>
15.20-15.45	Dr. Vinod V.T Padil Technical University of Liberec, Institute for Nanomaterials, Advanced Technologies, and Innovation (CxI), Liberec, Czech Republic.	<i>Intelligent Design of Sustainable Nano-Bio Materials Using Green Engineering</i>
15.45-16.15	Tea	
	Session 7 – Dr. Ambedkar Auditorium (Technology Tower) Session Chair: Prof. Amitava Mukherjee , Director, CNBT, VIT Rapporteur: Dr. V Shanthi , SBST, VIT	
16.15-16.40	Prof. Siva R School of BioSciences and Technology, Vellore Institute of Technology, Vellore	<i>Photoprotective Potential of Pigments</i>
16.40-17.05	Dr. Suresh Babu Naidu K Durban University of Technology, Durban, South Africa	<i>Recent developments and trends in metal nanoparticles for Agricultural applications</i>
17.05-17.30	Dr. K. B. Rameshkumar Jawaharlal Nehru Tropical Botanic Garden and Research Institute, Thiruvananthapuram, Kerala	<i>Herbal Technology- Scope for Future India</i>
20.00-21.00	Dinner – CS Hall	

18 th December 2022- Sunday		
9.30-13.00 Oral Presentation - Young Scientist Award below 30 years – SMV209		
	Session 8 – Dr. Ambedkar Auditorium (Technology Tower) Session Chair: Prof. KRS Sambasiva Rao , Former Vice-Chancellor, Mizoram University; General Secretary, ABAP Rapporteur: Dr. C Rajasekaran , SBST, VIT	
9.30-10.00	Prof. Kathiresan, T Kalasalingam Academy of Research and Education, Krishnankoil, TN	<i>Guanidine carbonate and curcumin loaded hollow mesoporous silica nanocarrier are pH-responsive, controlled delivery and induces cell death in breast cancer cell line</i>
10.00-10.30	Prof. M. Anbalagan School of Bio Sciences and Technology, Vellore Institute of Technology, Vellore	<i>GVITAA: Novel therapeutic peptide for inhibition of T cell function</i>
10.30-11.00	Prof. Kumarasamy Murugesan Periyar University, Salem, Tamil Nadu	<i>Removal of Emerging Contaminants from Wastewater Using Laccase and Redox Mediator System</i>
11.00-11.30	Tea	
	Session 9 – Dr. Ambedkar Auditorium (Technology Tower) Session Chair: Prof. Basuthkar J. Rao , Vice Chancellor, University of Hyderabad, Telangana Rapporteur: Dr K Suthindhiran , SBST, VIT	
11.30-12.00	Prof. P. Prasad High Altitude Plant Physiology Research Centre, HNB Garhwal University (A Central University), Srinagar Garhwal Uttarakhand	<i>Implications of elevated CO₂ and Temperature on alpine plants in Western Himalaya</i>
12.00-12.30	Prof. G. Gurusubramanian Department of Zoology, Mizoram University, Aizawl, Mizoram, India	<i>Benchmarking metagenomics tools for gut microbiome research: Current knowledge and future directions</i>
12.30-13.00	Prof. N Senthil Kumar Mizoram University, Aizawl, Mizoram, India	<i>Panel of significant risk factors, gene variants and distinct molecular subgroups predict Cancers in Mizo population</i>
13.00-14.30	Lunch – CS Hall	
14.30-15.30	Valedictory Function – Senior Scientist awards, Junior Scientist Awards, Best poster Awards	