



**International Conference on
Biotechnology for Environment and Health (ICBEH)**
25 to 27 November 2021



Zoom Meeting link: <https://vit-ac-in.zoom.us/j/88616884603?pwd=VUFrajBmWm1hc3BWdEFWN01EVnIJdz09>

Meeting ID: **886 1688 4603** Passcode: **772484**

Programme schedule

9.00 to 9.30		Inaugural function	
25/11/2021		Medical and Pharmaceutical Biotechnology	Session Chair: Prof. R. Siva, VIT Moderator: Dr. K M Gothandam, VIT
9.30 to 10.15	Keynote	Dr. Rama Jayaraj, Northern Territory Institute of Research and Technology, Australia	Clinical Applicability of biomarkers in Precision Oncology
10.15 to 10.45	Invited talk	Dr. Debasish Roy, Ohio State University. USA	Manipulating neuronal cholesterol aids axon regeneration and spinal cord repair
10.45 to 11.15	Invited talk	Dr. Radha Madhyastha, University of Miyazaki, Japan	Retinoic Acid as a pharmacological intervention to combat cellular inflammation
11.15 to 11.45	Invited talk	Dr. Abdulrahman M. Mujalli, Umm Al-Qura University, Saudi Arabia	Meta Profiling of Genome-Wide Gene Expression Data to Discover Key Disease Pathways Contributing to Clinical Severity of SARS-CoV2: Insights from Integrated Bioinformatics

11.45 to 12.15	Invited talk	Dr. Debajyoti Chowdhury, Hong Kong Baptist University, Hong Kong	When time matters in medicine
12.15 to 12.30	Oral presentation	Dr. Hari Krishna Rama Prasad Saripalli. Agri Testing Lab. New Zealand	Organic amalgamation of Ag NPs using Gishta seed extracts and their antimicrobial studies
12.30 to 12.45	Oral presentation	Dr. Vijayraja, Rev. Jacob Memorial Christian College, Dindigul	Dietary Flavonoid Molecule Promotes Cognition and Muscular Coordination in Experimental Models of <i>Drosophila melanogaster</i>
12.45 to 1.00	Oral presentation	Dr. Sunil. T. Hajare, College of Agriculture Biotechnology, Maharashtra	Effect of probiotic strain Lactobacillus acidophilus (LBKV- 3) on fecal residual lactase activity in undernourished children below 10 years
1.00 to 1.15	Oral presentation	Dr. Jagadeeswara Reddy Kanala, Sugan Life Sciences Pvt. Ltd, Tirupati	Doxorubicin's Synergistic Effect against Selected Human Colon Cancer Cells in Combination with Hispolon and D-Limonene
1.15 to 2.15		Lunch Break	
		Bioinformatics and Computational Biology	Session Chair: Prof. G Jayaraman, VIT Moderator: Dr. R. Siva, VIT
2.15 to 3.00	Keynote	Dr. Noor A.Shaik, King Abdulaziz University, Saudi Arabia	Whole Exome Sequencing in Clinical Genomics
3.00 to 3.30	Invited talk	Dr. Vimala Anthonydhason, The Sahlgrenska Academy at the University of Gothenburg, Sweden	Integrated data analysis of multiomics data
3.30 to 4.00	Invited talk	Dr. Nor Azlan Nor Muhammad, Universiti Kebangsaan, Malaysia	Systems Bioinformatics: Applications of Bioinformatics in Systems Biology

4.00 to 4.30	Invited talk	Dr Karthick V, REVA University	Evolutionary Tracking of SARS-CoV-2 Genetic Variants Highlights an Intricate Balance of Stabilizing and Destabilizing Mutations
4.30 to 5.00	Invited talk	Dr. Karthick G, Christian Medical College and Hospital, Vellore	Role of Molecular Diagnostics in Tuberculosis
5.00 to 5.15	Oral presentation	Dr. P Rajasekhar, Koneru Lakshmaiah Education Foundation, Guntur, Andhra Pradesh	Treatment of Alkaptonuria with flavanoids of Banana and Barley-An <i>in silico</i> approach
5.15 to 5.30	Oral presentation	Dr. Anand Raj, D, Karpagam University, Coimbatore, Tamil Nadu	Genome-wide analysis towards homology modeling and functional dynamics of target screened Fe cluster protein families in multi stress-tolerant <i>D. indicus</i>
5.30 to 5.45	Oral presentation	Dr. Venkata Ramireddy Narala, Yogi Vemana University, Kadapa	Biogenic silver nanoparticles with anticancer properties that target apoptosis and inflammation pathways in colon cancer cells
26/11/2021		Industrial and Microbial Biotechnology	Session Chair: Prof. Kavitha Thirumurugan, VIT Moderator: Dr. C. George Priya Doss, VIT
9.30 to 10.00	Invited talk	Dr. Megha Chandrashekhar, Canadian Nuclear Laboratories, Canada	CRISPR-Cas: A revolutionary technology in medicine and health
10.00 to 10.30	Invited talk	Dr Abhijit Chakraborty, La Jolla Institute for Allergy and Immunology, USA	Decoding the human 3D genome organization
10.30 to 11.00	Invited talk	Dr. Abhinaba Ghosh, MIT World Peace University, Pune	Molecular analysis of spore-associated germination proteins in pathogenic bacteria
11.00 to 11.30	Invited talk	Dr. Velusamy P, Sree Balaji Medical College and Hospital, Chennai	Effect of bacterial antagonist in management of pathogenic microorganisms

11.30 to 11.45	Oral presentation	Dr. Sandhya Tambekar Wanjari, Dhote Bandhu Science College, Gondia, Maharashtra.	Thermo-Halo-Alkalophilic Lonar Lake Bacterium: A boon to Detergent and Leather Industry
11.45 to 12.00	Oral presentation	Dr. V.S.Ramakrishna Ganduri, MVJ College of Engineering, Bengaluru, Karnataka.	Green synthesis of silver nanoparticles employing levan, a biopolymer from <i>Halomonas variabilis</i> MTCC 2712, as reducing and capping agent
12.00 to 12.15	Oral presentation	Dr. Mohan Kumar. S, St Joseph's College, Bangalore, Karnataka	Production and Characterization of chitosan biopolymers from the coprophilous mushroom <i>Coprinopsis cinerea</i>
12.15 to 12.30	Oral presentation	Dr. Shanti T John, CMST, M. S. University, Thirunelveli, Tamil Nadu	Petroleum and plastic biodegradation through microbes
12.30 to 12.45	Oral presentation	Dr. Jessen George, Rev. Jacob Memorial Christian College, Dindugal, Tamil Nadu	Is drinking water treatment system feasible and microbiologically safe from a sustainable pint of view? A case study
12.45 to 1.00	Oral presentation	Dr. Niteen V. Phirke, Sant Gadge Baba Amaravati University, Amaravati, Maharashtra	Anthropogenically accelerated soil microbial nitrification leads to nitrate pollution
1.00 to 1.15	Oral presentation	Dr. Ajitha Gomathi, The Oxford College of Engineering, Bengaluru, Karnataka	Antitumor activity of <i>Streptomyces rochei</i> VITGAP173 against DMBA-induced mammary carcinogenesis in rats
1.15 to 2.15		Lunch Break	
		Plant Biotechnology	Session Chair: Prof. T B Sridharan, VIT Moderator: Dr. E Nalini, VIT
2.15 to 3.00	Keynote	Dr Sean Mayes, University of Nottingham. UK	Diversifying agriculture – new crops for new challenges?
3.00 to 3.30	Invited talk	Dr. Inocencio E Buot Jr., University of the Philippines Los Banos	Relevance of determining woody vegetation along elevational gradient in predicting ecosystem health during the Anthropocene

3.30 to 4.00	Invited talk	Dr. Debayan Bose, West-Virginia State University, USA	Investigating the Roles of Non-Specific Phospholipases C (NPCs) in Triacylglycerol (TAG) Biosynthesis Modulating Plant Reproductive Growth and Development
4.00 to 4.30	Invited talk	Dr. Pooja Singh, Monash University, Malaysia	Rhizo-Microbiome in Salt Stress: A Return to Roots
4.30 to 5.00	Invited talk	Dr. Nitya Subrahmanian, University of Florida, USA	Studying mitochondrial biogenesis using the versatile photosynthetic alga <i>Chlamydomonas reinhardtii</i>
5.00 to 5.30	Invited talk	Dr. Prakash Srinivasan, Avanos Medical Inc, USA	Medical devices-regulatory information in the perspective of hazards
5.30 to 5.45	Oral Presentation	Dr. Prashant Kumar Singh, Mizoram University, Aizawl, Mizoram	The Tomato ddm1b Mutant Shows Decreased Sensitivity to Heat Stress Accompanied by Transcriptional Alterations
5.45 to 6.00	Oral Presentation	Dr. A.A.Arunkumar, Karpagam Academy of Higher Education, Coimbatore, Tamil Nadu	Adsorption studies on waste water using silver nanoparticles synthesized from leaf extract of <i>Mangifera indica</i>
6.00 to 6.15	Oral Presentation	Dr. Mrunalini H Kulkarni, School of Pharmacy, Vishwakarma University, Kondhwa, Pune, Maharashtra	Plant based Biofuels -A sustainable and eco-friendly approach to petroleum products dependency
6.15 to 6.30	Oral Presentation	Dr. G Pratap Kumar, Muthayammal Engineering College, Rasipuram, Tamil Nadu	Isolation and identification of plumbagin compound from the leaves and stem parts of <i>Plumbago indica</i> Linn
6.30 to 6.45	Oral Presentation	Dr. J. Anbumalarmathi, Stella Maris College, Chennai, Tamil Nadu	Green synthesis of Nanoparticles from <i>Daucus carota</i> and its Antiproliferative and Antibacterial Activity
27/11/2021		Environmental Biotechnology	Session Chair: Dr. P Sudhakar , Acharya Nagarjuna University, AP, India Moderator: Dr. R. Rajasekaran, VIT

9.30 to 10.15	Keynote	Dr. Rohan Williams, National University of Singapore, Singapore	Using long read metagenomics to study wastewater microbial communities from ASEAN agri-industrial settings
10.15 to 10.45	Invited talk	Dr. Geetika Bhagwat, The University of Newcastle, Australia	Environmental and human health implications of marine plastics: Metagenomics and complimentary techniques
10.45 to 11.15	Invited talk	Dr. Juliana Vasco-Correa, Penn State University, USA	Enabling anaerobic digestion implementation through the design of a hybrid biorefinery
11.15 to 11.45	Invited talk	Dr. Eustace Fernando, Rajarata University, Sri Lanka	Single-cell analysis techniques for Environmental Microbiology applications
11.45 to 12.15	Oral Presentation	Dr. I Ketut Suada, Udayana University, Denpasar, Bali, Indonesia	Growth of Lettuce (<i>Lactuca sativa</i> L.) Plant Under Red-Blue-White Light and Grow Light LEDs in Plant Factory System
12.15 to 12.30	Oral Presentation	Dr. Kirti Jayant Mhatre, Mahatma Phule Arts Science and Commerce College, Navi Mumbai, Maharashtra	Bioremediation of Textile dyes
12.30 to 12.45	Oral Presentation	Dr. Raj Kumar Koiri, Dr. Harisingh Gour Vishwavidyalaya, Sagar, Madhya Pradesh, India	Microcystin-LR induced toxicity in mice via modulation of glycolytic-oxidative-nitrosative stress pathway
12.45 to 1.00	Oral Presentation	Dr. Selvakumar S, Karpagam Academy of Higher Education, Coimbatore, Tamil Nadu	Molecular Characterization and expression profiling of arsenic mediated stress responsive genes in <i>Dawkinsia tambraparniei</i> (Silas, 1954)
1.00 to 1.15	Oral Presentation	Dr. Chinnadurai K, Rev. Jacob Memorial Christian college, Dindugal, Tamil Nadu	Genotoxicity assessment of atrazine in the Fresh water Fish <i>Oreochromis mossambicus</i>
1.15 to 1.30	Oral Presentation	Dr. K.Veena Gayathri, Stella Maris College, Chennai, Tamil Nadu	A comparison of phyto and phyco remediation treatment of synthetic textile effluent containing mixed azo dye
1.30 to 2.15		Lunch Break	

		Biodiversity and Conservation	Session Chair: Dr. Abul Kalam Azad Mandal, VIT Moderator: Dr. R. Gnanasambandan, VIT
2.15 to 3.00	Keynote	Prof. S. Rama Rao, North-Eastern Hill University, Shillong	Genetic characterization of horticultural resources with focus on <i>Abelmoschus</i> from North-East India for prioritizing conservation needs
3.00 to 3.30	Invited talk	Dr. Hridya Hemachandran, Silk Board Research, Bangalore	Can we scale up wild silkworms? Exploring the scope of Ericulture for sustainable development and socio economic empowerment
3.30 to 4.00	Invited talk	Dr. D.Panneer, VCRC, Pondicherry	Tick Diversity and Zoonotic tick borne diseases
4.00 to 4.30	Invited talk	Dr. Shankar, SRIHER, Chennai	Afforestation for Sustainable Development and Climate Actions
4.30 to 5.00	Invited talk	Dr. G. Ravikanth, ATREE, Bangalore	eDNA metabarcoding and dietary niche analysis: Implications for conservation
5.00 to 5.15	Oral presentation	Dr. Sunil Mansaram Akare, Manoharbai Patel College of Arts, Commerce and Science Sadak Arjuni, Distt. Gondia, Maharashtra	Comparative Study of Pollinating Insects of Two Species of <i>Rauvolfia</i> (Apocynaceae)
5.15 to 5.45		Valedictory function	

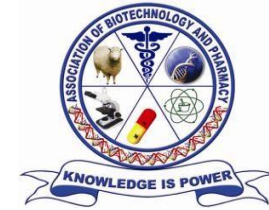


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Programme schedule

Oral presentations 1 & 2



Oral presentation 1 MS teams link:

<https://teams.microsoft.com/l/meetup-join/19:0VPd4aXkZkT9xqYXon4oB43FSNMGnp0HY9DcJzyBrjk1@thread.tacv2/1637736058720?context=%7B%22Tid%22:%22d4963ce2-af94-4122-95a9-644e8b01624d%22,%22Oid%22:%225434afd6-aa97-4020-945b-a777e3179851%22%7D>

Oral presentation 2 MS teams link:

https://teams.microsoft.com/l/meetup-join/19:P0jfh_fnGRmFdqrLmTb51LMHZ0LUIDRoRT_KHYPdZcU1@thread.tacv2/1637738331659?context=%7B%22Tid%22:%22d4963ce2-af94-4122-95a9-644e8b01624d%22,%22Oid%22:%22e5fbbadc-c88e-427b-8269-c23fa8e51745%22%7D

25/11/2021 Session 1 Medical and Pharmaceutical Biotechnology

Date	Schedule	Oral Presentation 1	Oral presentation 2
25/11/2021	10.00-10.12 AM	Miss Saynaz Akhter Choudhary TEZPUR UNIVERSITY A novel TLR4 signaling inhibitor impairs lipid-induced adipocyte inflammation and insulin resistance	Mr. Sagnik Nag VELLORE INSTITUTE OF TECHNOLOGY Modelling C. Elegans to understand the basis of Parkinson's disease (PD) along with the intervention of Neuroprotective drugs
25/11/2021	10.13 -10.25 AM	Miss Nidhi Gupta DR. HARISINGH GOUR VISHWAVIDYALAYA, SAGAR Activating transcription factor 6 alpha is up regulated during the development and progression of hepatocellular carcinoma	Mr. Surya S BHARATHIAR UNIVERSITY A review on the anti-cancer potential of Kaempferol (a dietary flavonol) as a phyto constituent: current status and prospects
25/11/2021	10.26-10.38 AM	Miss Kowsalya K BHARATHIAR UNIVERSITY Anticancer Potential of Vitexin (Apigenin Flavone): A Plant Based Drug For Ovarian Cancer Management	Mr. Amanda Ekanayake INDIAN ACADEMY DEGREE COLLEGE, BANGALORE An Overview on Fungal Infections Associated With Autosomal Recessive Congenital Ichthyosis
25/11/2021	10.39-10.51 AM	Mr. Sreekanth S UNIVERSITY OF KERALA Biocompatibility and osteogenic potential of gelma-PEGDA-nanohydroxyapatite hydrogel.	Miss Devika P R INDIAN ACADEMY DEGREE COLLEGE, BANGALORE Anticancer activity of medicinal plants: an overview
25/11/2021	10.52-11.04 AM	Miss Seema Khakhalary BODOLAND UNIVERSITY Chromatographic mass spectrometric analysis of hexane extract of medicinal plant <i>Rothea serratum</i> (L) Moon	Miss Aradhana S VELLORE INSTITUTE OF TECHNOLOGY Bioinspired Multifunctional Graphene Based Hybrid Nanohydrogels in Wound Healing
25/11/2021	11.05-11.17 AM	Mr. Zaffar Azam DR. HARISINGH GOUR VISHWAVIDYALAYA, SAGAR Crocin attenuates ovariectomy induced bone loss in postmenopausal mice	Miss Mahaswetha R BANNARI AMMAN INSTITUTE TECHNOLOGY Chewing gum: a solution for cavity
25/11/2021	11.18-11.30 AM	Miss Kairon Mubina M.S. MANONMANIAM SUNDARANAR UNIVERSITY Enhancement in Cytocompatibility and Antibacterial activity of sio2-cao-Na2O-P2O5-mgo nanobioactive glass ceramics by incorporation of Al2O3 for orthopaedic applications	Mr. Muthu Kumar S BANNARI AMMAN INSTITUTE OF TECHNOLOGY Synthesis of Magnetic nanoparticles conjugated with c phycocyanin for cell line studies

25/11/2021	11.31-11.43 AM	Miss Swati Gupta UNIVERSITY OF ALLAHABAD Evaluation of Antioxidant and Anti-Proliferative Potential of citrus peel Extracts	Mr. Balasurya BANNARI AMMAN INSTITUTE OF TECHNOLOGY Nanocrystalline Fe ₃ O ₄ loaded nano assembled liposome based nanocarrier for stepwise platform for MR and ph assisted for targeted delivery for the treatment of breast cancer
25/11/2021	11.44-11.56 PM	Mr. F. Nghakliana MIZORAM UNIVERSITY In vitro antioxidative and anticancer activity of Silverberry, <i>Elaeagnus caudata</i> Schltld. against Type II Human Lung Adenocarcinoma cells, A549 via alteration of redox homeostasis	Miss Brindha B BANNARI AMMAN INSTITUTE OF TECHNOLOGY NIR triggered photosensitive nanoparticles for Synergistic photo thermal therapy and gene therapy of cancer - a review
25/11/2021	11.57-12.09 PM	Mr. Debabrata Dash DR. HARISINGH GOUR CENTRAL UNIVERSITY, SAGAR Lower potency Kalium Phosphoricum modulates the level of antioxidant and glycolytic enzymes more effectively as compared to higher-potency remedies.	Mr. Naresh D BANNARI AMMAN INSTITUTE OF TECHNOLOGY Phytochemical extraction, screening and HPLC analysis of different extracts of <i>Cissus quadrangularis</i> Linn
25/11/2021	12.10-12.22 PM	Miss RITEE BASU/ Sukanya Dasgupta VELLORE INSTITUTE OF TECHNOLOGY Microencapsulation of polyphenols from <i>Murraya koenigii</i> leaf extract using two different polymer matrices	Miss Tharani Shree K BANNARI AMMAN INSTITUTE OF TECHNOLOGY Synthesis of nano-silver using chemical methods and analysis of physical and therapeutic properties.
25/11/2021	12.23-12.35 PM	Miss Nithya Rani R JSS ACADEMY OF HIGHER EDUCATION & RESEARCH Plant Enzymes and Tissue Regeneration- Role in Wound Healing	Mr. Sudhakar Singh ICAR - NDRI To Observe the Efficacy of Various Drugs in The Treatment of Clinical and Sub-Clinical Mastitis
25/11/2021	12.36-12.48 PM	Miss Munasira Begum V S ISLAMIAH COLLEGE Green Nanobiotechnology - A review on Green synthesis of Nanoparticles and its applications	Ms Raaja Rajeshwari BANNARI AMMAN INSTITUTE OF TECHNOLOGY Visible light driven photocatalytic degradation of Atenolol using r-GO/cufe ₂ o ₄ /cde/Bi ₂ S ₃ nanocomposite
25/11/2021	12.49-01.02 PM	Miss Noymi Basumatary BODOLAND UNIVERSITY Prevalence of Glucose-6-Phosphate Dehydrogenase (G6PD) deficiency and comparison of hematological parameters among G6PD deficient and normal Proto-Australoid tribal population of malaria endemic Indo-Bhutan border areas of Assam	

25-11-2021 Session 2 Medical Biotechnology, Bioinformatics and Computational Biotechnology

Date	Schedule	Oral presentation 1	Oral presentation 2
25/11/2021	2:30-2:42 PM	Miss Ravina Rai DR HARISINGH GOUR CENTRAL UNIVERSITY Transcriptomic: A key to profiling genes in Alzheimer's disease-model and stage-specific alterations in specific brain regions	Miss Pooja Anil VELLORE INSTITUTE OF TECHNOLOGY Identification of RNA based biomarkers for esophageal carcinoma
25/11/2021	2:43-2:55 PM	Miss Kasturi Banerjee VELLORE INSTITUTE OF TECHNOLOGY Understanding the association of stem cells in prenatal development and carcinogenesis during pregnancy	Mr. Sanjib Kumar Mohanty CENTURION UNIVERSITY OF TECHNOLOGY AND MANAGEMENT In Silico Analysis of Phytochemicals from <i>Coriandrum sativum</i> L.(Coriander)against Prostate Cancer
25/11/2021	2.56-3.08 PM	Mr. Utpalendu Paul VELLORE INSTITUTE OF TECHNOLOGY Understanding the Regulatory Role of mir-27b microrna in Breast Cancer Metastasis	Miss Swetha K MUTHAYAMAL ENGEENEERING COLLEGE Molecular docking and dynamic studies to screen potent cucurbitacin compounds against estrogen receptor in treatment of breast cancer
25/11/2021	3.09-3.21 PM	Mr Nawa Mushir Ahmed Abdulla KOMAR UNIVERSITY OF SCIENCE AND TECHNOLOGY, IRAQ Rise of global superbugs : A solution to antibiotic crisis	Miss Gayathri P MUTHAYAMAL ENGEENEERING COLLEGE Cucurbitacins and cancer: a review on in vitro, in vivo and in silico analysis of compounds against estrogen receptor for a better treatment
25/11/2021	3.22-3.34 PM	Miss Poshya Ibrahim Ahmad KOMAR UNIVERSITY OF SCIENCE AND TECHNOLOGY, IRAQ Superbugs: The powerful warriors	Miss Halka Jayachandran BHARATHIAR UNIVERSITY An <i>in silico</i> approach to screen multi potent anti-TB inhibitors from <i>Hemidesmus indicus</i> against <i>Mycobacterium Tuberculosis</i>
25/11/2021	3.35-3.47 PM	Miss Mrigyanka Chakravarty TEZPUR UNIVERSITY Mutation analysis of LOX and VSX1 genes from Keratoconus Patients in Assam, India.	Miss Susithra Priyadarshni M THIRUVALLUVAR UNIVERSITY COPD associated gene expression supporting entry of SARS-cov-2 and design of potential epitopic vaccine
25/11/2021	3.48-4.00 PM	Dr. Azhagu Saravana Babu P VEL TECH RANGARAJAN DR SAGUNTHALA R&D INSTITUTE OF SCIENCE AND TECHNOLOGY	Mr. Abdoulaye Diawara USTTB, MALI Prevalence and risk factors for type 2 diabetes among rural residents in Sikasso, Mali

		Quality related evaluation of acrylamide formation in fried food -an integrated approach of natural antioxidant against lipid oxidation	
25/11/2021	4.01-4.13 PM	Miss Pradnya B. Pimparkar SANT GADAGE BABA AMRAVATI UNIVERSITY, AMRAVATI Rapid Detection Method of Antibiotic Susceptibility for Multidrug Resistant Pathogens	Miss Pooja Rani Kuri INDIAN INSTITUTE OF TECHNOLOGY GUWAHATI Designing of Epitope-Based Peptide Vaccine for Rotavirus A Using Immunoinformatics Approach
25/11/2021	4.14-4.26 PM	Mr. Amjad Hussain VELLORE INSTITUTE OF TECHNOLOGY Secondary metabolites produced by endophytic Streptomyces sp. VITGV38 inhibits uropathogens.	Miss Sudha B AVINASHILINGAM INSTITUTE FOR HOME SCIENCE AND HIGHER EDUCATION FOR WOMEN Expression and prognostic importance of CDKN2A in cervical cancer based on data mining approach
25/11/2021	4.27-4.39 PM	Miss Trisha Sonowal BODOLAND UNIVERSITY Prevalence of Hypo- and Hyper-thyroidism among the tribal Pregnant Women of Northeast India	Mr. Saravanankrishnagowdu BHARATHIAR UNIVERSITY Identification of bioactive compounds from onion pulp extract and screening of abiotic stress-responsive elements (gmdreb and gmbzip transcription factors) in soybean (Glycine max (L.) Merrill) using computational approach
25/11/2021	4.40- 4.52 PM	Miss G Suriyakala THIRUVALLUR UNIVERSITY <i>Jatropha integerrima</i> Jacq. Flower extract mediated silver nanoparticles: Characterization and invitro evaluation of antibacterial and photocatalytic activities	Mr. Haifa M. Mansour KING ABDULAZIZ UNIVERSITY, SAUDI ARABIA. A Whole Exome Sequencing, GWAS and Systems Biology Integrative Study in Saudi Patients Identifies Novel Genetic Markers for Familial Celiac Disease
25/11/2021	4.53- 5.05 PM	Miss Pradnya B. Pimparkar SANT GADAGE BABA AMRAVATI UNIVERSITY, AMRAVATI Rapid Detection Method of Antibiotic Susceptibility for Multidrug Resistant Pathogens	Dr. G Dhivyasri DR.N.G.P. INSTITUTE OF TECHNOLOGY Analysis of lung tumor using thermal expansion MEMS sensor

26-11-2021 Session 3 Industrial and Microbial Biotechnology and Plant Biotechnology

Date	Schedule	Oral presentation 1	Oral presentation 2
26/11/2021	9.15-9.27 AM	Miss F. Lalsangpui MIZORAM UNIVERSITY Green synthesis of silver nanoparticles using <i>Mikania micrantha</i> aqueous leaf extract and their antimicrobial activity	Miss K. Mercy Madhumitha STELLA MARIS COLLEGE A comparative study of <i>Coccinia indica</i> – Analysis of its Phytochemical, Antimicrobial, Antioxidant and α -Amylase Inhibitory
26/11/2021	9.28-9.40 AM	Mr. Shubham Kailas Sawale SANT GADGE BABA AMRAVATI UNIVERSITY A comparative study of indole Acetic Acid produced by Rhizobium species isolated from soybean root nodules of Purna-river basin.	Miss E.Reddikavitha VELLORE INSTITUTE OF TECHNOLOGY A review on the role of halo-tolerant plant growth promoting rhizobacteria to reduce salinity stress
26/11/2021	9.41-9.53 AM	Miss Snehal Eknathrao Banarase SANT GADGE BABA AMRAVATI UNIVERSITY Anaerobic digestion of kitchen waste to enhance biogas yield	Miss Harini G BANNARI AMMAN INSTITUTE OF TECHNOLOGY A ternary hybrid visible light driven photocatalyst for the degradation of ciprofloxacin antibiotic
26/11/2021	9.54-10.06 AM	Miss Nuzhat Parween L.N. MITHILA UNIVERSITY Antifungal activity of plant extracts agent Aflatoxin production and growth of <i>Aspergillus flavus</i> .	Mr. Laldinliana Khiangte MIZORAM UNIVERSITY Antioxidant, antimicrobial and phytochemical analysis of an underutilized plant, <i>Parkia timoriana</i> (DC) Merr., from Mizoram, India.
26/11/2021	10.07-10.19 AM	Miss Monisha.G DR. N.G.P ARTS AND SCIENCE COLLEGE. Biohydrogen Production from Ionic Liquid Pre-treated and Enzymatically Digested Wheat Straw Powder (LPED-WSP) using <i>Saccharomyces cerevisiae</i>	Miss Vidya N BHARATHIAR UNIVERSITY Bioactive metabolites, therapeutic uses, and in-vitro regeneration methods of Indian Henna <i>Lawsonia innermis</i> (L.): a review
26/11/2021	10.20-10.32 AM	Mr. Veilumuthu P VELLORE INSTITUTE OF TECHNOLOGY Draft genome sequence of <i>Streptomyces</i> sp. VITGV38, a potential source of Polyketide products	Miss Ponmani K BANNARI AMMAN INSTITUTE OF TECHNOLOGY Edible oil from microalgae
26/11/2021	10.33-10.45 AM	Mr. Pratik Shukla SMC COLLEGE OF DAIRY SCIENCE	Miss Priyanka Gupta DR. HARISINGH GOUR VISHWAVIDYALAYA

		Exploring the potentiality of L. Paracasei M11 on antidiabetic and ACE inhibitory activities and release of bioactive peptides during fermentation of camel milk	Effectiveness of Neem Oil for the Control of <i>Sitophilus zeamais</i> during Storage of Maize and their Impact on Seed Viability.
26/11/2021	10.46-10.58 AM	Mr. Tejpal Singh Parmar BARKATULLAH UNIVERSITY Isolation and purification of cellulases from psychrotolerant yeast <i>Rhodotorula mucilaginosa</i> BPT1: A Review	Miss Raja Rajeswari R BANNARI AMMAN INSTITUTE OF TECHNOLOGY Evaluation of antimicrobial property and analysis of phytochemical compounds in Carica papaya leaves extract
26/11/2021	10.59-11.11 AM	Mr. P.S. Lalbiakluanga MIZORAM UNIVERSITY Isolation of Fungi Associated with Rice Seed and Assessment on Influence of Selected Fungi on Rice Seed Germination	Miss Sharon Maria Jacob PRESIDENCY COLLEGE (AUTONOMOUS)-CHENNAI Hydroponics: Organic Mentha cultivation using Cyanobacteria liquid fertilizer
26/11/2021	11.12- 11.24 AM	Miss Qurath Ul Ain INDIAN ACADEMY DEGREE COLLEGE - AUTONOMOUS Isolation, Identification and Optimization of Pyocyanin pigment produced by <i>Pseudomonas aeruginosa</i> and its applications	Mr. Kiran Vilas Dhobale INDIAN INSTITUTE OF TECHNOLOGY GUWAHATI Identification and characterization of mungbean infecting begomoviruses from various hotspots in India
26/11/2021	11.25- 11.37 AM	Miss Shubharini S V BANNARI AMMAN INSTITUTE OF TECHNOLOGY Isolation, screening and identification of fungus for the production of high activity laccase enzyme.	Miss Margi Shankarbhai Patel HEMCHANDRACHARYA NORTH GUJARAT UNIVERSITY Isolation, screening and characterization of plant growth promoting traits of halotolerant rhizobacteria
26/11/2021	11.38- 11.50 AM	Miss Sujitha K MUTHAYAMMAL ENGINEERING COLLEGE Molecular docking and evaluation of potent coumarin compounds against bacterial protein receptor for cellulitis treatment	Miss Kiran Singh DR. HARISINGH GOUR VISHWAVIDYALAYA Nanoparticles synthesis based on plant sources, an environment friendly approach and its application
26/11/2021	11.51- 12.03 PM	Miss Zareenkousar kazi KLE TECHNOLOGICAL UNIVERSITY, KARNATAKA Production, characterization and antimicrobial activity of pigment from <i>Streptomyces</i> species.	Mr. Bhushan Bhadade ICAR NATIONAL INSTITUTE OF ABIOTIC STRESS MANAGEMENT Nutritional and molecular characterization using reference gene specific PCR assay of promising soybean (<i>Glycine max</i> L.) genotypes.

26/11/2021	12.04- 12.16 PM	Miss Poojaa K A BANNARI AMMAN INSTITUTE OF TECHNOLOGY Screening, purification and characterization of cellulase from cellulase producing fungi in wood	Miss Huldah Pearlin Sarah L VELLORE INSTITUTE OF TECHNOLOGY Quorum quenching, growth promoting and immuno modulatory role of <i>Pseudomonas fluorescens</i> in plant defense against pathogens
26/11/2021	12.17- 12.29 PM	Mr. Lokesh Sharma UNIVERSITY OF KOTA Bioremediation of wastewater	Mr. Bhagavathi K KARPAGAM ACADEMY OF HIGHER EDUCATION Reverse breeding
26/11/2021	12.30- 12.42 PM	Miss Nishanthini S/ Megavardhini V BANNARI AMMAN INSTITUTE OF TECHNOLOGY Production of alpha amylase enzyme from fungi isolated from Cassava waste	Miss Devadharshini R BANNARI AMMAN INSTITUTE OF TECHNOLOGY Structural analysis and antimicrobial property of camellia sinensis
26/11/2021	12.43- 12.55 PM	Mr. Suryakant Singh L.N.MITHILA UNIVERSITY Incidence of mycoflora and aflatoxin contamination in maize seeds (<i>Zea mays</i> L.)	Miss Swetal Thakorbbhai Patel UKA TARSADIA UNIVERSITY Variability in seed morphology, phytochemicals and nutritional constituents of <i>Mucuna pruriens</i> L. accessions

26-11-2021 Session 4 Plant Biotechnology and Biodiversity conservation

Date	Schedule	Oral presentation 1	Oral presentation 1
26/11/2021	2:30-2:42 PM	Mr Vinith Kumar K NAGALAND CENTRAL UNIVERSITY Gum-Kondagogu a natural versatile biopolymer: A review	Mr Gaurav Kumar NATIONAL DAIRY RESEARCH INSTITUTE Climate change and its impact on livestock with special reference to water management
26/11/2021	2:43-2.55 PM	Miss Bichitra Narzary BODOLAND UNIVERSITY Preliminary study on the water quality, fish diversity and their conservation status of a natural water body, Sareswar Beel, Kokrajhar, Assam.	Mr. K. Muhammed Shariq ISLAMIAH COLLEGE (AUTONOMOUS), VANIYAMBADI Survey of Medicinal Plants in Velathikamanipenda, At Vellore District, Tamil Nadu
26/11/2021	2.56-3.08 PM	Miss Ruthi Lalmuanzeli MIZORAM UNIVERSITY Assessment of cyanobacterial diversity in the rice paddy fields of Champhai, Kolasib and Serchhip districts of Mizoram	Mr Karun Wilson VELLORE INSTITUTE OF TECHNOLOGY Phylogenetic approach in <i>Alternaria</i> to comprehend host-pathogen specificity
26/11/2021	3.09-3.21 PM	Mr. Sunil Akare M.B PATEL COLLEGE Comparative Study of Pollinating Insects of Two Species of <i>Rauvolfia</i> (Apocynaceae)	Mr. Rashmi Ranjan Mohapatrar, HINDALCO INDUSTRIES Green Belt Development
26/11/2021	3.22-3.34 PM	Dr Shilpa Pramod Jadhav UNIVERSITY OF MUMBAI Study of Butterfly Diversity in Maharashtra Nature Park, Mumbai	Miss Smita Rakshith SANT GADGE BABA AMRAVATI UNIVERSITY, Identification of natural products from <i>Physalis minima</i> responsible for HIV integrase enzymes inhibition.
26/11/2021	3.35-3.47 PM	Miss Sujitha K MUTHAYAMMAL ENGINEERING COLLEGE Molecular docking and evaluation of potent coumarin compounds against bacterial protein receptor for cellulitis treatment	Dr Divya Deepthimahanthi ST.ANN'S COLLEGE FOR WOMEN In vitro Antifungal Activity of Leaf Extracts of Certain Mangrove Samples Collected from Gilakaladindi Mangroves
26/11/2021	3.48-4.00 PM	Dr. Ushasri JUSTICE BASHEER AHMED SAYEED COLLEGE FOR WOMEN, CHENNAI Phenomics in Algal biotechnology towards sustainability of Agriculture and improvise bioeconomy	

27-11-2021 Session 5 Environmental Biotechnology

Date	Schedule	Oral presentation 1	Oral presentation 2
27/11/2021	9.15-9.27 AM	Miss Chandhini S BANNARI AMMAN INSTITUTE OF TECHNOLOGY Design and development of novel method for Extraction of metals from coal washery reject of coal mine adding a revenue generation model to the mine sector	Mr. Rajkumar V BHARATHIAR UNIVERSITY Lead stress tolerance: An insight to DNA damage and repair pathway mechanism towards the survival of novel <i>Deinococcus indicus</i>
27/11/2021	9.28-9.40 AM	Mr. Hari Kumar B BANNARI AMMAN INSTITUTE OF TECHNOLOGY Highly selective and sensitive detection of L-cysteine at nanomolar level with chitosan capped Ag/nis ncs and its antimicrobial performance	Miss Sakthi Yazhini Preetha J BHARATHIAR UNIVERSITY Role of Biotechnology in Phytoremediation of Arsenic: A mini-review
27/11/2021	9.41-9.53 AM	Miss Swetha S BANNARI AMMAN INSTITUTE OF TECHNOLOGY Highly selective colorimetric sensor for the detection of various Cr(III)-organic complex present in the environment using silver nanoparticles	Miss Rijumoni Daimari BODOLAND UNIVERSITY Proximate composition, mineral, amino acids, fatty acid and cholesterol in six muscles of registered indigenous pig breed of Assam.
27/11/2021	9.54-10.06 AM	Miss Sneha A C BANNARI AMMAN INSTITUTE OF TECHNOLOGY Superabsorbent biopolymer based nanogels synthesised by nanotechnology, to supply water and nutrients	Miss Roshni Rajpoot DR. HARISINGH GOUR VISHWAVIDAYALAYA SAGAR Ameliorative effect of Coenzyme Q10 against Microcystin-LR induced renal oxidative damage in mice
27/11/2021	10.07-10.19 AM	Miss Chithra A BANNARI AMMAN INSTITUTE OF TECHNOLOGY Sustainable biodiesel production from waste cooking oil using biomass based heterogeneous catalyst	Miss Sreya Patra INDIAN ACADEMY DEGREE COLLEGE Isolation and screening of Lantibiotic producing actinomycetes from hospital waste soil and testing its efficacy against MRSA
27/11/2021	10.20-10.32 AM	Miss Janani B BANNARI AMMAN INSTITUTE OF TECHNOLOGY CuO loaded zns nanoflower entrapped on PVA-chitosan matrix for boosted white-light photocatalysis for antibiotic degradation and bactericidal application	Mr. Hmingremhlua Sailo MIZORAM UNIVERSITY Assessment of trace elements in rice and paddy fields in Mizoram for health risk management
27/11/2021	10.33-10.45 AM	Miss Sruthi L BANNARI AMMAN INSTITUTE OF TECHNOLOGY Calorimetric determination of mercury and chromium ion complexes in water samples using Ag based Nanosensor.	Mr. Sengjrang CH Momin MIZORAM UNIVERSITY An Enhanced Sorption of Diclofenac by Activated Biomass of Microcystis sp: kinetics and isotherm study

27/11/2021	10.46-10.58 AM	Miss Swedha. M BANNARI AMMAN INSTITUTE OF TECHNOLOGY Novel Ni ₃ (VO ₄) ₂ /zncr ₂ o ₄ decorated g-C ₃ N ₄ nanosheet ternary nanocomposite with Z-scheme heterojunction-heterojunction interface for the effective photocatalytic removal of p-Chlorophenol and 5-Fluorouracil	Mr. MC Freddy Vanlalmuana MIZORAM UNIVERSITY <i>Arbuscular Mycorrhizal</i> colonization alleviates salt stress in <i>Zea mays</i> under greenhouse condition
27/11/2021	10.59-11.11 AM	Miss Anjana J INDIAN ACADEMY DEGREE COLLEGE-AUTONOMOUS Biosorption of As(III) Ions from aqueous solution using live, heat treated and NaOH treated <i>Aspergillus flavus</i> isolated from arsenic contaminated soil	Mr. Sagolshem Priyokumar Singh MIZORAM UNIVERSITY Influence of Lead stress on Antioxidant activity and DNA damage in pigmented Rice of Northeast India.
27/11/2021	11.12-11.24 AM	Miss Ankita Biswas INDIAN ACADEMY DEGREE COLLEGE-AUTONOMOUS Mushroom waste approaches for remediation of environmental contaminants	Mr. R. Lalremdika MIZORAM UNIVERSITY Phycoremediation of domestic sewage by using microalgae
27/11/2021	11.25-11.37 AM	Miss Koteshwari M INDIAN ACADEMY DEGREE COLLEGE-AUTONOMOUS Phytoremediation of paper mill effluent combined with sewage employing water hyacinth, <i>Eichhornia crassipes</i> and its rhizoplane microbes	Miss Hansa Mathur MODY UNIVERSITY OF SCIENCE AND TECHNOLOGY Microbial Enzymes for Treatment of Emerging Contaminants
27/11/2021	11.38-11.50 PM	Miss Prerna Bhaskar Kole SAVITRIBAI PHULE PUNE UNIVERSITY Dye and heavy metal removal from wastewater by using chitin biomass: A green environmental remedy	Miss Priyanka Agarwal MOTILAL NEHRU NATIONAL INSTITUTE OF TECHNOLOGY ALLAHABAD, PRAYAGRAJ Isolation and Characterization of multi-metal resistant micro-organisms for bioremediation
27/11/2021	11.51-12.03 PM	Miss Priya Rajendra Gosavi SAVITRIBAI PHULE PUNE UNIVERSITY Fungal lipase as a green tool for wastewater effluent treatment: A green environmental management strategy	Mr. Oliver Paul Madhale SHIVAJI UNIVERSITY KOLHAPUR Plastic Degrading Actinomycetes Isolated from Soil of Sangli District Maharashtra
27/11/2021	12.04-12.16 PM	Miss Rithika. R. S SRI KRISHNA ARTS AND SCIENCE COLLEGE Biofuel production: current research and challenges	Mr. Mohanraj N SRM MEDICAL COLLEGE AND HOSPITAL

			Impact of Bisphenol A (BPA) in COVID19 inhibition through phosphate ACE inhibitor
27/11/2021	12.17-12.29 PM	Miss S. Noorunnisha STELLA MARIS COLLEGE Isolation of halophiles from salterns and its application	Miss Manasa Muralidharan STELLA MARIS COLLEGE Biodegradation of PAH by Bacterial strains and its application to Degrade Oil Sediments in Marine Environment
27/11/2021	12.30-12.42 PM	Mr. Hitendranath .N.M VEL TECH HIGH TECH DR.RANGARAJAN DR.SAKUNTHALA ENGINEERING COLLEGE Microbial fuel cells – a sustainable energy to power future	Miss Mary Isabella Sonali J STELLA MARIS COLLEGE Biofortification of Selenium towards Plant Growth Enhancement
27/11/2021	12.43-12.55	Ms Shweta Katiyar SBN GOVERNMENT PG COLLEGE, BARWANI Methods, practices and applications of Municipal Solid Waste Management in India	Miss Lolenmenla Imchen NAGALAND UNIVERSITY Extraction of natural food colours from medicinal plants and estimation of bioactive compounds.

27-11-2021 Session 6 Environmental Biotechnology

Date	Schedule	Oral presentation 1	Oral presentation 2
27/11/2021	2:30-2:42 PM	Miss Rajalakshmi S STELLA MARIS COLLEGE Screening of alkane hydroxylase from bacterial strains isolated from dumpsite site soil	Mr K. J. Mhatre MAHATMA PHULE ARTS, SCIENCE AND COMMERCE COLLEGE, Bioremediation of Textile dyes
27/11/2021	2:43-2:55 PM	Miss M. Chellapackialakshmi THIAGARAJAR COLLEGE Biodegradation of pretreated chicken feather with a keratinolytic bacteria <i>Arthobacter arilaitensis</i>	Mr Arunkumar KARPAGAM ACADEMY OF HIGHER EDUCATION Adsorption studies on waste water using silver nanoparticles synthesized from leaf extract of <i>Mangifera indica</i>
27/11/2021	2.56-3.08 PM	Mr Pradip Hirapure RASHTRASANT TUKADOJI MAHARAJ NAGPUR UNIVERSITY, CRISPR/cas9 system: A Powerful Gene-editing tool to Develop Technologies for Environmental Protection and Repairing	Mr Siva Prasad B.V, YOGI VEMANA UNIVERSITY Fungal remediation: a simple, rapid, cost-effective technique to treat industrial effluents
27/11/2021	3.09-3.21 PM	Miss Leena Merlin Biju UNIVERSITY OF MADRAS Phytoremediation of Mixed Azo dyes and Cr (VI) using <i>Salvinia</i> sps	Dr. S.Aruna ISLAMIAH WOMEN'S ARTS AND SCIENCE COLLEGE Correlating Superbugs with Cocktail of drugs in drinking water
27/11/2021	3.22-3.34 PM	Miss Nikita Gupta VELLORE INSTITUTE OF TECHNOLOGY Assessment of Major Water Parameters in Lakes in Ranipet Region of Tamil Nadu	Mr Rajkumar BHARATHIAR UNIVERSITY Exploring molecular mechanism of DNA damage and repair pathway rector genes in novel <i>D. Indicus</i> towards Pb 2+ stress
27/11/2021	3.35-3.47 PM	Miss Navya Botlagunta VELLORE INSTITUTE OF TECHNOLOGY, VELLORE Microbiome Engineering- Sustainable or Not?	Miss Mrunalini H Kulkarni VISHWAKARMA UNIVERSITY Plant based Biofuels -A sustainable and eco-friendly approach to petroleum products dependency.
27/11/2021	3.48-4.00 PM	Dr. S. Gokila ERODE SENGUNTHAR ENGG.COLLEGE Optimization of procedure variables for yeast carboxypeptidase production and their characteristics	Miss Aarthi Rashmi B SRI KRISHNA ARTS AND SCIENCE COLLEGE Biomass energy – a source of renewable energy
27/11/2021	4.01-4.13 PM	Miss Anitha REV.JACOB MEMORIAL CHRISTIAN COLLEGE	Miss Rekha V K VELS INSTITUTE OF SCIENCE

		Microbial pathogens in acute gastroenteritis via contaminated drinking water in developing countries	Biochar: An efficient organic amendment in Bioremediation and Farming
27/11/2021	4.14-4.26 PM	Mr Pradeep Kumar S SRI KRISHNA ARTS AND SCIENCE COLLEGE Outlook for bioremediation researches on hydrocarbon spills from polluted environment	Mr Ajaj Ahmed MAHARAJA GANGA SINGH UNIVERSITY, Application of <i>Bacillus tequilensis</i> lipase in the biocatalytic activity of waste & 2T hydrocarbon oils
27/11/2021	4.27-4.39 PM	Dr. Vijayalakshmi Y.V. UNIVERSITY Fungal remediation: a simple, rapid, cost-effective technique to treat industrial effluents	Miss Subalakshmi R VELS INSTITUTE OF SCIENCE Banana Waste: an efficient substrate for eco-friendly vermitechology