

**Note: The IDs of oral presentations are highlighted in yellow. The sequence will be followed according to the scientific programme schedule.**

## **SESSION I: MEDICAL AND NANOBIOTECHNOLOGY**

<b>ICABB ID</b>	<b>TITLE OF THE ABSTRACTS</b>
ICABB_M101	CRISPR/Cas9: A Modern Tool for Disease Diagnostics
ICABB_M102	Lipid-Nanoparticles Assisted mRNA-Based Cancer Immunotherapy
<b>ICABB_M104</b>	<b>Assessment of improvement by nutraceuticals on rotenone-induced neurodegeneration in <i>D. melanogaster</i> strains</b>
<b>ICABB_M105</b>	<b>Computational validation of Apocynin as NADPH Oxidase (NOX) Mediated ROS Modulator</b>
ICABB_M106	Application of Nanotechnology in Curbing the Pathological Causes of Alzheimer's
ICABB_M107	The androgen receptor pathway as a therapeutic target for prostate cancer
ICABB_M108	Potential Point-of-Care Biosensors for the detection of COVID-19
ICABB_M109	Tumor Hypoxia: an avenue to target and treat tumors using siRNA mediated nanoparticles
ICABB_M110	Ethics related to CRISPR applications
ICABB_M111	Clinical application of circulating tumour DNA in early diagnosis of cancer
ICABB_M112	Transgenic rodent model of the Alzheimer disease mirroring: Amyloid-beta pathology and its role in drug development
ICABB_M113	Gene Therapy Strategies for Tackling Hutchinson-Gilford Progeria
ICABB_M114	Mechanism of action in Acute respiratory distress syndrome
ICABB_M115	Recent interventions caused by monoclonal antibodies for the treatment and diagnosis of covid-19
ICABB_M116	The Role of epigenetics in age-related neurodegenerative diseases
ICABB_M117	Dermal fillers for redefining facial structure: types, procedure and effects.
ICABB_M118	Genetic Approaches To Treat Alzheimer's Disease
ICABB_M120	AI in neurosciences: route to precision medicine
ICABB_M121	Crispr/cas9: A powerful genome editing technique for treatment of breast cancer
ICABB_M122	Metabolomic insights for identifying candidate biomarkers for diagnosing and managing NAFLD
ICABB_M123	CRISPR-Cas9 Gene editing tool: Advances and Challenges
<b>ICABB_M124</b>	<b>Random Insertion Transposon Mutagenesis of <i>Mycobacterium fortuitum</i> Identified role of Anthranilate Phosphoribosyltransferase (trpD) in Biofilm Formation and Hypoxic Stress Survival</b>
<b>ICABB_M125</b>	<b>Chimeric Dengue E protein enhances secretion of Dengue viral like particles (VLP)</b>

ICABB_M126	Ammonium Sulphate, Lithium Chloride, and Mannitol enhance solubilisation of the chimeric human Interferon Regulatory Factor-1 (IRF-1) in <i>Escherichia coli</i> : A tumour suppressor protein
ICABB_M127	Unfolding the Chikungunya virus-human proteins interactions
ICABB_M128	Transfer of phobias and mental illness through genes
ICABB_M129	Crispr cas9: the latest trend in designer babies
ICABB_M130	Regenerative medicine
ICABB_M131	Freedom to Operate Search: Intellectual Property Assessment of Pharmaceutical Products
ICABB_M133	Artificial womb – the future of humankind
ICABB_M134	Identification of Drug candidates for Breast cancer-Drug Repositioning
ICABB_M135	Healing of Nature During the Lockdown COVID-19
ICABB_M136	Nanomedicine in brain cancer treatment
ICABB_M137	Mucormycosis: Fungal Infection re-explored
ICABB_M138	Nanomedicine for the treatment of brain disorders
ICABB_M140	Nanoparticles for the treatment of alzheimer's disease
ICABB_M142	Development and validation of a sensitive and rugged method for Bioanalysis of Ramipril and its metabolite in Plasma samples
ICABB_M143	Hydroxychloroquine Induced Cardiotoxicity
ICABB_M144	Pharmacological induction of autophagy as a potential therapeutic target for Japanese encephalitis
ICABB_M145	Adipose-derived mesenchymal stromal cells in regenerative medicines: new perspective and challenges
ICABB_M146	Pancreatic Cancer: Biomarkers for Early Diagnosis
ICABB_M147	Multiphase CFD Analysis of Separation of Blood Constituents in a Centrifuge
ICABB_M148	Proteomic analysis of cardiac myoblasts under hyperglycaemic conditions
ICABB_M149	Identification of miRNAs under hyperglycaemic conditions in cardiac myoblasts
ICABB_M150	Anticancerous Drug Induced Cardiotoxicity: A Major Concern
ICABB_M151	ACE-2& CCR4 Receptors: Critical Targets to Combat Cardiotoxicity
ICABB_M152	Application of optimization methods in mental health
ICABB_M153	COVID- 19 transmission from Mother to the Child during pregnancy: A Review
ICABB_M154	Exploring of Anticancer potential of Mosambi ( <i>Citrus limetta</i> ) peel extracts

## SESSION II: FOOD AND MICROBIAL BIOTECHNOLOGY

ICABB ID	TITLE OF THE ABSTRACTS
ICABB_F201	Development and evaluation of Value-Added fiber rich <i>Laddoo</i> supplemented with processed corn silk
ICABB_F202	Modulation of <i>Streptococcus mutans</i> biofilm growth by <i>Lactobacillus rhamnosus</i>
ICABB_F203	Systematic analysis of the indica rice PHD-Finger gene family and their response in salinity stress
ICABB_F204	Addressing the Non-Specific Amplification in RCA: A Comparison of Three Different Ligation Techniques for Preparing Circular DNA
ICABB_F205	Need for Probiotic products
ICABB_F206	Clove ( <i>Syzygium aromaticum</i> ) and Black pepper ( <i>Piper nigrum</i> ) as promising antimicrobial agents against common food borne pathogens
ICABB_F207	Quorum Sensing and its role in Virulence
ICABB_F209	Goat Milk-A nectar behind the poison
ICABB_F210	Ageing, Dairy Product Consumption and Prostate Cancer Risk
ICABB_F211	Effect of UV-B irradiation on Bioactives of Edible Mushroom Powder
ICABB_F212	Extremophiles: Medical Potentials Explode
ICABB_F213	Study the detection of aflatoxin B1, B2, G1, G2 in commercialized infant formula
ICABB_F214	Insights into bacterial cellulose biosynthesis
ICABB_F217	Functional Properties of Bioactive Peptides derived from Milk
ICABB_F218	Millets: An emerging new trend in functional food
ICABB_F219	Urban Inland Water Bodies and Microbial Shift
ICABB_F221	Evaluation of the lichen <i>Parmelia</i> sp. for molecules of high medicinal value
ICABB_F222	Metabolic Interventions of Gut Microbiota in Diabetic Cardiomyopathy

ICABB_F223	Genetically Engineered microorganisms for the degradation for environmental pollutants
ICABB_F224	Microbiome
ICABB_F225	Mining for Nonribosomal Peptide Synthetase and Polyketide Synthase of Burkholderia species genes with extensive potential for biotechnological use.
ICABB_F227	Current trends in fungal chitosan production and applications
ICABB_F228	Bacterial cellulose composites: an advanced biomaterial

### SESSION III: OMICS AND COMPUTATIONAL BIOLOGY

ICABB ID	TITLE OF THE ABSTRACTS
ICABB_O301	<i>In-silico</i> drug screening studies of potent inhibitors against Main protease (Mpro) for COVID-19
ICABB_O302	An integrative bioinformatics analysis for identifying hub genes in human immunodeficiency virus
ICABB_O303	Genomic analysis of ciprofloxacin induced <i>Salmonella typhimurium</i> mutants
ICABB_O304	<i>In silico</i> characterization of potential biomarkers in prostate cancer adenocarcinoma
ICABB_O305	Big Data Analysis of Alzheimer's Disease for Early Prediction
ICABB_O306	Binding energy comparison of antibody-antigen interaction in SARS-CoV-2 with respect to Antibody Dependent Enhancement
ICABB_O307	Music Preference as a Predictor of Mental Health: Developing Spotify Mood Analyser to Predict Mental Health
ICABB_O308	Virtual screening of compounds from <i>Aureobasidium</i> strain TD-062 obtained from the Thar Desert of India
ICABB_O309	Effect of Natural Compounds on Glioblastoma Multiforme Pathways
ICABB_O311	Evolutionary genomics of olfactory gene family in <i>Drosophila</i>
ICABB_O312	Substrate specificity of Paraben towards liver esterase: A bioinformatics approach
ICABB_O313	Mutational Analysis in Bacteria using Computational Tool – MutaNET
ICABB_O314	Transfer learning-based Attention gated Siamese network for Human and SARS-CoV-2 protein interactions
ICABB_O315	Genome-wide identification and characterization of metal binding gene families in legumes: Method and strategies.
ICABB_O316	Production of therapeutic antibodies for disease treatment
ICABB_O317	Approaches to Enhance Aptamer Substrate Binding

ICABB_O318	Computational approach for Identification of potential genes against colorectal cancer
ICABB_O319	<i>In silico</i> Approaches to Investigate Cardioprotective Phytoconstituents as TMAO Inhibitor
ICABB_O320	Effect of phyto-compounds on SARS-CoV2
ICABB_O321	Nutritional profiling of Desi and Kabuli chickpea genotypes and assessment of protein quality based on Essential amino acid score and <i>in-vitro</i> protein digestibility
ICABB_O322	Structural characterization of Klebsiella pneumoniae Cysteine Synthase Complex using integrative structural biology approach

## SESSION IV: NATURAL PRODUCTS AND HUMAN HEALTH

ICABB ID	TITLE OF THE ABSTRACTS
ICABB_N401	Evaluating multiple phytochemicals of <i>Carica Papaya</i> Leaves extract for bacterial skin infections by computational and experimental validation
ICABB_N402	Therapeutic and Nutritional importance of <i>Cordyceps sinensis</i>
ICABB_N403	The correlation of gut microbiome with persistent depressive disorder and MDD in population
ICABB_N404	Study of the genetic variations in different variants of <i>Tribulus terrestris</i> L. (gokshura) through DNA RAPD analysis.
ICABB_N405	Molecular Docking of resveratrol & piperine natural compound with serotonin transporter (SERT)
ICABB_N406	Molecular pathways in vulvar squamous cell carcinoma: implications for target therapeutic strategies
ICABB_N407	Genetic Transformation and Ectopic Over Expression of Cytochrome P450 monooxygenase (P450) gene (CYP88D6) in <i>Glycyrrhiza glabra</i> .
ICABB_N408	<i>Azadirachta indica</i> and its potential uses against SARS-CoV-2
ICABB_N409	The phytochemicals from <i>Vateria indica</i> and their therapeutic potential
ICABB_N410	Plant Secondary Metabolites: Effect of Stress and Defense responses in their Production
ICABB_N411	A study on the antioxidant, antidiabetic and cytotoxic properties of a polyherbal formulation
ICABB_N412	Anti-proliferative effect of phyto-compounds in human glioblastomas multiforme cell lines
ICABB_N413	Ginsenosides: A transpiring Nutraceutical
ICABB_N414	Pharmacological importance of Secondary Metabolites from Plants
ICABB_N416	In vivo evaluation of withcoagulin in experimentally induced hypertension and myocardial infarction in Albino rats
ICABB_N419	Suppression of pathways of brain inflammation by fisetin in PTZ-induced kindling in mice.
ICABB_N420	Raw and Aged Garlic Extract: A Comparative Analysis
ICABB_N421	Hydrogen Sulfide in Cardioprotection

## SESSION V: AGRICULTURE, ENVIRONMENT, AND INDUSTRY

ICABB ID	TITLE OF THE ABSTRACTS
ICABB_AG501	Novel mechanism of action of arsenate reductase from arsenic resistant bacterium <i>Deinococcus indicus</i> DR1
ICABB_AG502	Bioethanol production from rice straw residues
ICABB_AG503	Residual effect of herbicides on soil microflora of bajra ( <i>Pennisetum glaucum</i> L.)
ICABB_AG505	Purification of Cellulase Enzyme from Peel of <i>Colocasia esculenta</i>
ICABB_AG506	Heavy metal induced neuronal toxicity serving as a precursor to NDDs
ICABB_AG507	Negative impact of covid-19 on the environment
ICABB_AG509	Exploring phytoremediation potential of <i>Vigna radiata</i> & <i>V. aconitifolia</i> under Cr(VI) induced stress in hydroponics
ICABB_AG513	Microbial degradation of plastic waste
ICABB_AG514	Environmental impacts of Coronavirus
ICABB_AG515	Polymer Biosynthesis Pathways in Microorganisms
ICABB_AG516	Antibiotics in soil and water and its impact on living organisms
ICABB_AG517	Impact of informal E-waste recycling activity on Soil
ICABB_AG518	<i>Vetiver Grass</i> : Potential tool for Phytoremediation of Heavy metals
ICABB_AG519	Microbial remediation for explosive contaminated soil: Recent advancement and Future prospects
ICABB_AG520	Laundry Detergents : A Brief Overview
ICABB_AG523	Evaluating the parameters affecting air quality index: Case study approach
ICABB_AG524	Fungal mediated conversion of food waste to compost
ICABB_AG525	Isolation and characterization of biofilm producing bacteria from water treatment tank
ICABB_AG526	Recent Advancement in Production of Biodiesel using Oleaginous Yeast
ICABB_AG527	Stratospheric Calcite Aerosol vs Stratospheric Sulphur Aerosol for Climate Geoengineering
ICABB_AG529	A Review of multiple application of Tannase and developing zero waste technology
ICABB_AG530	Impact of pesticides and biopesticides in the presence of Salt stress on <i>Cicer arietinum</i> and <i>Phaseolus vulgaris</i> plants
ICABB_AG531	Environmental impact, monitoring, toxicity and biodegradation of organophosphate weedicide Anilfos: A critical review
ICABB_AG532	Mitochondria as an important target in heavy metal toxicity



ICABB_AG534	Potential Effects of Insecticide on Non Target Organisms: A Study Using Drosophila Model
ICABB_AG535	Removal techniques of nitrate removal- Review
ICABB_AG536	Role of travel cost method as a Non-Market Valuation Method in determining Economic cost of the recreational sites in India: A bioeconomic perspective
ICABB_AG537	Presence and Remediation of Amoxicillin and Tetracyclin by <i>Ocimum basilicum</i> : A sustainable approach