

Offline ORAL Presentations Accepted for 62<sup>nd</sup> AMI International  
Conference (MSCTFP) - 2022

Sl. no	OP	Name	Title
1	OP1	Nivedita Sharma	Immunity boosting functional foods enriched with Probiotics emerging as a necessity amidst Covid-19 pandemic
2	OP2	Dheeraj Mohania	Probiotics, inflammasomes and colorectal cancer: an evidence based approach
3	OP3	Nagamani Pammi	Insights into the <i>in vitro</i> oxalate degradation and exopolysaccharide production potential of the bacterium <i>Weissella cibaria</i> OUCM1 isolated from Indian camel milk
4	OP4	S Sumithra Devi	Prospects of Biorationals in the Management of Stored Grain fungi
5	OP5	M. R. Savitha Prashanth	$\beta$ Glucan from Green gram ( <i>Vigna radiata</i> ): An emerging prebiotic polysaccharide and its effect on gut health
6	OP6	Priyanka Chaturvedi	Effect of 4 Nitroquinole-1-oxide on <i>Lactobacillus plantarum</i> and <i>Bifidobacterium bifidum</i>
7	OP7	Divyashree N	Antimicrobial Activity of Probiotics
8	OP8	Geetha Hebbar V	<i>In-vitro</i> fermentation of glycosaminoglycans from mackerel fish waste and its role in modulating gut microbiota of obese C57BL/6 mice
9	OP9	Samlesh Kumari	Functional attributes of soy-based compound synbiotic milk chocolates enriched with indigenous <i>Lactobacillus helveticus</i> MTCC -5463 and prebiotic ( <i>inulin</i> )
10	OP10	Vasundaradevi R	Antifungal and Probiotics characteristics of <i>Lactobacillus</i> isolated from wild fruits
11	OP11	Adithi G	Antifungal activity of Lactic acid bacteria isolated from herbal juice – a traditional fermented Amla juice
12	OP12	Mrudula M M	Isolation and phenotypical characterization of lactic acid bacteria as plant-based probiotics from millets
13	OP13	Prithvi S R	Effect on fermented dairy product and viability and development in <i>Drosophila melanogaster</i>
14	OP14	Vanitha P R	Probiotic and antifungal attributes of <i>Lactobacillus plantarum</i> strain isolated from fermented rice beverage
15	OP15	Priyanka,	Identification of <i>Intestinal/Extraintestinal</i> Pathogenic <i>Escherichia coli</i> -associated genes in <i>E.coli</i> strains isolated from vegetables
16	OP16	Maheshwari N	<i>Screening and characterization of Bacteriocin producing Heterolactic strains of bacteria from native food sources</i>
17	OP17	Dhaval Patel	Enhancing flavors of Ale beer with Indian Spices
18	OP18	Sarda Laikhuram	Formulation, Biochemical and Phytochemical Quantification of Fermented Beverage from Roselle Calyces
19	OP19	Aishwarya C	Studies on optimization of $\epsilon$ -Poly-L-Lysine production and its food Application
20	OP20	Shubhi Singh	Evaluation of Antimicrobial and Antioxidative properties of novel functional prebiotic cookies
21	OP21	Dr. Indranil Chattopadhyay	Can saliva based metagenomics unravel the impact of oral bacteriome in oral diseases?
22	OP22	Baban Preet Kour,	Influence of long-term application of chemical fertilizer (NPK) and different organic manures on the structural and functional diversity of rice microbiome associated with nitrogen cycling

23	OP23	Sarma PVS RN	Influence of chitinous substrate amendments on rhizosphere microbiome of rice
24	OP24	Aswini K	Developing niche directed Small Microbial Communities for modulating heat stress in Wheat
25	OP25	Pradeep Kumar Shukla	Biodynamic changes in the bacterial community of soil treated with Thiamethoxam
26	OP26	Ravi Singh Manhas	Antiviral activity evaluation of Setomimycin isolated from <i>Streptomyces</i> sp. RA-WS2
27	OP27	Reena Thakur	Cytotoxic distending toxin B (CdtB): A potential vaccine candidate against Typhoid fever
28	OP28	Bhagat Singh,	Global Clinical Uncertainties for COVID-19 and Angiotensin-converting enzyme 2
29	OP29	Manjunath	The Impact of COVID-19 on Tuberculosis in Mysore District
30	OP30	Samanth Kumar J	Molecular investigation of floral malformations in pearl millet during Downy mildew infection
31	OP31	Ajithkumar, K	Field assessment of linseed germplasm and their biochemical characterization against <i>Alternaria</i> blight infection
32	OP32	Savitha A S	Morpho-molecular characterisation of <i>Ustilaginoidea virens</i> isolates causing false smut of rice in different rice growing ecosystems of Karnataka and its management through novel fungicide molecules
33	OP33	Harisankar Singha	Host immune responses to <i>Burkholderia mallei</i> infection (glanders)
34	OP34	Vengadesan Krishnan	Structural Insights into pili-mediated interactions in dental biofilm, plaque.
35	OP35	Mufeeda KT	Morpho-Molecular Identification and Pathological Investigations of <i>Coniella wangiensis</i> Associated with Leaf Spot Disease of <i>Cleistanthus collinus</i> (Roxb.) Benth. ex Hook.f. – First report from Kerala, India
36	OP36	Krishna Kumar	Investigation on predominant <i>Leptospira</i> serovars among febrile cases in coastal Karnataka
37	OP37	Akshath U S	Deciphering virus-host interactions using polyvalent glyco-nanoparticles
38	OP38	Pramod Kumar Sahu	Colonization and salt stress alleviating potential of <i>Ocimum tenuiflorum</i> endophytes and effects on root architecture development of tomato
39	OP39	Danteswari Chalasani	Plant state nested with soil type are key factors shaping pigeonpea root microbiome
40	OP40	Nagalambika Prasad	Isolation, Identification and Characterization of <i>Ficti bacillus phosphorivorans</i> sp. nov., From Rhizosphere Soil of <i>Cynodon</i> species.
41	OP41	B Srinivas	A genetic transformation by using <i>Agrobacterium tumefaciens</i> carrying a binary vector pCambia1301 is an efficient method for delivering genes into medicinal plants.
42	OP42	Harish R	Biochemical and Insilico Comparative Analysis Of <i>Chromobacterium Rhizoryzae</i> Mediated Growth Promotion in Tomato.
43	OP43	C Sarathambal	Effect of co-inoculation of arbuscular mycorrhizal fungi and zinc-solubilizing bacteria on bacterial community structure and composition in turmeric rhizosphere
44	OP44	Manjunatha N	Genetic diversity and streptomycin resilience in <i>Xanthomonas axonopodis</i> pv. <i>Punicae</i> causing bacterial blight disease in pomegranate ( <i>Punica granatum L.</i> )
45	OP45	Kakde Pooja R	Solid state bioconversion of indigenous agricultural biomass for the production of fungal cellulases
46	OP46	Dharmendra Kumar	Saccharification and fermentation of cull potatoes for the production of fermentable sugars and bioethanol

47	OP47	Giram Shital K	Production and optimization of laccase by <i>Trichoderma</i> species using agricultural biomass under Solid State Fermentation
48	OP48	Lakshmikanth Mariyanna	Identification and characterization of Vip3 protein genes from natively isolated <i>Bacillus thuringensis</i> strains; a potential next generation bioinsecticide.
49	OP49	V Govindasamy	Characterization of PGP potential of action bacteria for inducing tolerance to salt stress in rice
50	OP50	Ramya Rai M	Characterization of Biocontrol Efficiency and Plant Growth Promotional Ability of <i>Trichoderma</i> Isolated from the Rhizosphere of <i>Jasminum sambac</i> (L.) Aiton.
51	OP51	Abhijith P	Ultra low-cost production of Field-worthy <i>Trichoderma</i> formulations for use in Organic Agricultural Practices
52	OP52	Tejaswini G S	Molecular detection of fungal pathogens associated with stem blight disease of <i>Jasminum multiflorum</i> from Southern Karnataka
53	OP53	Sabarinathan K G	In-field detection of plant pathogens through a smart phone enabled frugal paper microscope – foldscope
54	OP54	Mamatha Bhanu, L	Morphocultural and molecular characterization of fungi associated with panicle blight and seeds of <i>Oryza sativa</i> L.
55	OP55	Trupti K Vyas	Comparative efficacy of different methods used for organic manure preparation using bioaugmentation strategy
56	OP56	Debadin Bose	Characterization of Shiga toxin-producing <i>E. coli</i> strains isolated from surface water samples of Murarai and prediction of a probable public health hazard of the area.
57	OP57	Seema Amin	Isolation of plant growth promoting Rhizobacteria with multiple traits and their interaction with plant
58	OP58	Kushal Pal Singh	<i>Coryne bacterium efficiens-KPJ-22</i> : A Novel bacterial strain for defluoridation of contaminated water
59	OP59	Rictika Das	Potentiality of chlorpyrifos degrading strain <i>Streptomyces</i> sp. ATE-26 towards plant growth promotion and fungal disease suppression
60	OP60	Dixit S	Investigating the role of surface properties of fabrics and bacteria to limit the spread of nosocomial infections
61	OP61	Selvapriya S	Survey and Screening of Marine Cyanobacteria for Lipid production.
62	OP62	Abhishek Chauhan	Identification and characterization of microorganisms isolated from deep sea water of Southern Ocean and lake water of Antarctica
63	OP63	Karthik M B	Molecular Identification of entophytic fungi and its antimicrobial, antioxidant ability from edible shoots of <i>Bambusa</i> species.
64	OP64	Nitharsan K	Outdoor mass cultivation of Micro algal feedstock for Biodiesel production
65	OP65	K Vinotha	In-silico screening of sunscreen compounds from polar psychrophilic cyanobacteria
66	OP66	Rashmi D	Analysis of electro-potential in microbial fuel cells and evaluation of sewage micro-organisms for the production of alcohol
67	OP67	Raghavendra M P	First report on bacterial enzyme based solubilization of inorganic potassium for sustainable agriculture
68	OP68	Bandeppa Sonth	Characterization of nitrogen fixing and phosphorous solubilizing bacteria from rice ecosystem
69	OP69	M Gomathy	Unfolding the tremendous phyllosphere microbes through foldscope for better productivity in rice, pulse ecosystem

70	OP70	Mahadevakumar S	Emerging new fungal pathogens and new species dichotomized through molecular phylogeny from Karnataka
71	OP71	Azmi Khan	Antifungal activity of bacterial Xenosiderophore via iron-mediated oxidative stress induction and cytotoxicity in fungi
72	OP72	Krishnamurthy G	Enumeration of endophytic fungi associated with <i>Ichnocarpus frutescens</i> – an important medicinal plant
73	OP73	Indu Pant	Role of <i>dps</i> , <i>cbpA</i> and <i>cbpB</i> proteins in phenotype and stress tolerance in <i>Salmonella enterica</i> serovar Typhimurium
74	OP74	Anil Kumar H.S	<i>In vitro</i> cytotoxicity and phytochemical screening of extracts from selected medicinal plants against distinct human cancer cell lines
75	OP75	Talluri Rameshwari K R	Identification of bpoA Virulence Genes from Paraffin Embedded Tissue Sample Of Mycobacterium tuberculosis
76	OP76	Juliet Roshini Mohan Raj	Phage mediated beta-lactamases in <i>Escherichia coli</i>
77	OP77	Poorvika B P	Extraction of Chitosan from different sources and its characterization for varied biomedical applications
78	OP78	Bhoomika R	Bacteria associated with urinary tract infection in pregnant women and their antibiotic susceptibility tests
79	OP79	Sowndarya Jothipandiyam	Fabrication of orthopedic implant using transition metal complex to combat implant associated infections
80	OP80	Jatin Chadha	$\alpha$ -Terpineol synergizes with gentamicin to rescue <i>Caenorhabditis elegans</i> from <i>Pseudomonas aeruginosa</i> infection through attenuation of quorum sensing-regulated virulence
81	OP81	S Rajashekara	Antimicrobial Activities Of The Methanolic Leaf Extracts Of <i>Catharanthus Roseus</i> (L.) G. Don
82	OP82	Ruchi Jain Dey	Discovery of a new drug target against an oldfoe-‘tuberculosis’
83	OP83	Pooja R	Cell cycle arrest and apoptosis induction by endophytic fungal extracts of an endangered plant <i>Mappia foetida</i> ”
84	OP84	UchitkarBalaji	Isolation and characterization of endophytic fungi from some medicinal plants
85	OP85	Deeksha S Kudlur	One pot synthesis of CuO-NiO nanoparticles using Aegle marmelos fruit extract as a fuel and their antimicrobial activity
86	OP86	Simi Asma Salim	Synergistic effects of quorum quenching enzyme and quorum sensing inhibitor as combination therapy against <i>pseudomonas aeruginosa</i>
87	OP87	Dr. Aishwarya S	Antimicrobial effect of silk sericin, fibroin and combination of sericin and fibroin in periodontitis – an in-vitro study
88	OP88	Shilpa Borehalli	Potential antimicrobial and antioxidant property <i>Malus domestica</i> extract derived green synthesised nanoparticles on cloth material as an anti-microbial agent
89	OP89	Josna Joy	Molecular detection and pathogenic variability of <i>Athelia rolfsii</i> (= <i>Sclerotium rolfsii</i> ) associated with foot rot and stem blight disease in Chia ( <i>Salvia hispanica</i> )
90	OP90	Shanmugaiyah Vellasamy	DAPG is a promising bio - control agent producing tomato rhizobacterium <i>Pseudomonas fluorescens</i> VSMKU 3054 against wilt disease of tomato caused by <i>Ralstonia solanacearum</i>
91	OP91	Akanksha Joshi	Selection of high affinity aptamers against multi-drug resistant <i>Salmonella spp.</i> :a tailored solution.
92	OP92	B Sindhuja	An efficacy of bioactive component and silver nanoparticle from <i>Pergularia daemia</i> leaf extract against oral pathogens

93	OP93	Pragya Prakash	Production purification and characterization of glutaminase free L-asparaginase with low endotoxin level
94	OP94	Snehi Soy	Exploration of thermophilic microorganisms from hot water spring for production of industrial enzymes
95	OP95	Dr Sandhya Tambekar Wanjari	Evaluation of the bioactive substances and phytochemical analysis of <i>Bacillus</i> species isolated from Lonar Lake of Buldhana, Maharashtra, India
96	OP96	Biswanath Bhunia	Effects of different monosaccharides on thermal stability of PBS from <i>Oscillatoria</i> sp. (BTA-170): Analysis of kinetics, thermodynamics, colour and antioxidant properties
97	OP97	Mrunalini B R	Exploring bacterial lipids as future source of biodiesel production
98	OP98	Brajeshwar Singh	Bioprospecting endophytic wealth from medicinal flora for industrial applications
99	OP99	Avinash Prakasha	Evaluation of multi-strain probiotics' in productive performance of poultry industries
100	OP100	Girisha S T	Optimization of bioethanol production from sugar cane bagasse
101	OP101	Shruthi H M	Microbial synthesis of silver nanoparticles using culture supernatant <i>Lactobacillus</i> Sps
102	OP102	Amrita Gupta	Green synthesis of silver nanoparticles containing spores and cry proteins from <i>Bacillus thuringiensis</i>
103	OP103	Suguna M	Biogenic synthesis of silver nanoparticles using bark methanol extract of <i>G. orbiculata</i> and screening for their therapeutic properties
104	OP104	Sanjeev Soni	Microbicidal activity of photo activated silver nanoparticles for <i>Escherichia coli</i> , <i>Bacillus subtilis</i> , and <i>Candida albicans</i>
105	OP105	Sudarshan Kini	Synergistic effect of novel surface functionalized silver nano-particles in combination with methicillin against methicillin resistant <i>Staphylococcus aureus</i>
106	OP106	Rashmi Pujar	Synthesis of Cerium nanoparticles from leaf extract of <i>Croton sparsiflorus</i> : A greener approach for a therapeutic applications
107	OP107	Kaustubh Chandrakant Khaire	Optimization of saccharification and fermentation of alkali pretreated sugarcane tops for higher scale bioethanol production using microbial consortium
108	OP108	Chandrasekhar Banoth	Production, extraction, identification and purification of gingipain proteins by anaerobic culturing of the bacterium <i>Porphyromonas gingivalis</i>
109	OP109	Sugandha Mahajan	Evaluation of polymers viscosity at extreme reservoir conditions for enhanced oil recovery
110	OP110	Vivek N	Nutrient formulations for the cost effective Microalgal biodiesel feedstock production
111	OP111	Rashmi V	Exploring the Biopotentials of microalgae
112	OP112	Vinutha Shrikanth Asundi	Facile green synthesis of cerium oxide nanoparticles using <i>Jacaranda mimosifolia</i> leaf extract and evaluation of their antibacterial and photodegradation activity
113	OP113	Ritu Chauhan	Bioactive compounds from <i>Arthrospira platensis</i> , antioxidant activity and antibacterial assessment against multiple antibiotic-resistant bacteria
114	OP114	C R Santhosh	Bacterial biostimulants with multifarious plant growth promoting traits to mitigate salinity stress in <i>Solanum melongena</i> L.
115	OP115	Vishwata Patel	Organic pollutant removal by microbial fuel cell and eco-friendly magnetic nano-particles
116	OP116	N Deepa	<i>Azotobacter nigricans</i> as potential PGPR against fumonisin producing <i>Fusarium verticillioides</i> associated with maize

