



BIOSPECTRUM 2020

International Conference on Biotechnology & Biological Sciences

VIRTUAL CONFERENCE

19th – 21st November 2020

TECHNICAL SCHEDULE

DAY	EVENT DETAILS	TIME (IST)
DAY 1 19TH NOVEMBER 2020	INAUGURAL SESSION	9:30 A.M – 10:30 A.M
	KEYNOTE 1: A GENERALISED APPROACH FOR DEVELOPING SUSTAINABLE SOLUTIONS TO RESTORE ENVIRONMENTAL ECOSYSTEMS	10:30 A.M – 11:30 A.M
	KEYNOTE 2: CLINICAL PROTEOMICS IN HEMATOLOGICAL DISORDER	11:30 A.M – 12:30 P.M
	KEYNOTE 3: NATURE BASED SOLUTIONS AN EFFECTIVE APPROACH TO REALISE TARGETS OF UN RESTORATION DECADE: CASE OF ZN MINE SPOIL RESTORATION	12:30 P.M – 1:30 P.M
	-----LUNCH BREAK-----	1.30 P.M - 2.30 P.M
	SESSION 1 ENVIRONMENTAL TOXICOLOGY & REMEDIATION	2:30 P.M - 4:30 P.M
	SESSION 2 MICROBIAL BIOTECHNOLOGY	2:30 P.M - 4:30 P.M
	SESSION 3 MEDICAL BIOTECHNOLOGY	2:30 P.M - 4:30 P.M
DAY 2 20TH NOVEMBER 2020	KEYNOTE 4: RECEPTOR TYROSINE KINASE (RTK) MEDIATED SIGNALING AND AD LIKE PATHOLOGY: MOLECULAR CROSS-TALKS DECIPHERED	9:30 A.M – 10:30 A.M
	KEYNOTE 5: GIARDIA LAMBLIA: A VERY PRIMITIVE EUKARYOTE WHICH HAS LEARNED TO REGULATE ITS SURVIVAL IN HIGH OXYGEN TENSION EVEN IN ABSENCE OF FORMAL EUKARYOTIC MITOCHONDRIAL APOPTOTIC CASCADE	10:30 A.M – 11:30 A.M
	KEYNOTE 6: PETROLEUM INDUSTRY AND MICROBIAL BIOTECHNOLOGY: APPLICATIONS AND CHALLENGES	11:30 A.M – 12:30 P.M
	KEYNOTE 7: SAFETY AND IMMUNOGENICITY OF TRIPLE ANTIGEN VLP BASED VACCINE AGAINST SARS COV-2	12:30 P.M – 1:30 P.M
	-----LUNCH BREAK-----	1:30 P.M – 2:30 P.M
	SESSION 4 ENVIRONMENTAL TOXICOLOGY & REMEDIATION	2:30 P.M – 4:30 P.M
	SESSION 5 MICROBIAL BIOTECHNOLOGY	2:30 P.M – 4:30 P.M
	SESSION 6 MEDICAL BIOTECHNOLOGY	2:30 P.M – 4:30 P.M
DAY 3 21ST NOVEMBER 2020	VALEDICTORY SESSION & AWARD CEREMONY	10:00 A.M –11:00 A.M
	SPECIAL LECTURE IDENTIFICATION OF NOVEL TARGETS AND DEVELOPMENT OF NEW CLASSES OF DRUGS FOR THE TREATMENT OF CHRONIC BIOFILM INFECTIONS	8:00 P.M – 9:00 P.M

DAY 1: 19th November, 2020

TIME	NAME OF THE EVENT
9:30 A.M – 10:30 A.M	INAUGURATION
10:30 A.M – 11:30 A.M	KEYNOTE ADDRESS BY DR. SANJAY SWARUP (ASSOCIATE PROFESSOR, DEPARTMENT OF BIOLOGICAL SCIENCES, NATIONAL UNIVERSITY OF SINGAPORE) TITLE OF TALK: A GENERALISED APPROACH FOR DEVELOPING SUSTAINABLE SOLUTIONS TO RESTORE ENVIRONMENTAL ECOSYSTEMS
11:30 A.M – 12:30 P.M	KEYNOTE ADDRESS BY ABHIJIT CHAKRABARTI (SENIOR PROFESSOR, CRYSTALLOGRAPHY & MOLECULAR BIOLOGY DIVISION SAHA INSTITUTE OF NUCLEAR PHYSICS KOLKATA, INDIA) TITLE OF TALK: CLINICAL PROTEOMICS IN HEMATOLOGICAL DISORDER
12:30 P.M – 1:30 P.M	KEYNOTE ADDRESS BY DR. SHYALINI DHYANI (SCIENTIST, NATIONAL ENVIRONMENTAL ENGINEERING RESEARCH INSTITUTE (NEERI), NAGPUR, INDIA) TITLE OF TALK: NATURE BASED SOLUTIONS AN EFFECTIVE APPROACH TO REALISE TARGETS OF UN RESTORATION DECADE: CASE OF ZN MINE SPOIL RESTORATION
1.30 P.M -2.30 P.M	BREAK

**PARALLEL SESSIONS
(PAPER PRESENTATIONS)**

SESSION 1: ENVIRONMENTAL TOXICOLOGY & REMEDIATION

SESSION CHAIR: PROF. DR. PHANI BHUSAN GHOSH (IEM, KOLKATA)

SESSION TIME: 2:30 P.M -4.30 P.M THURSDAY,19TH NOVEMBER 2020

TIME ALLOTTED	PAPER ID	PAPER NAME	AUTHORS NAME
2:30 P.M – 2:45 P.M	ENVS_PA_01	Biosorption of Cu(II) ions from aqueous solution and industrial effluents in column mode: Experiment, statistical and modeling	Nirjhar Bar, Tania Mitra, Sudip Kumar Das
2:45 P.M -3:00 P.M	ENVS_PA_04	Bioremediation Ability Of Tannery Microflora: A Step Towards Reducing Groundwater Pollution	Arghyadeep Bhattacharjee, Rajarshi Chaudhuri, Priyangshu Pandey, Arup Kumar Mitra
3:00 P.M -3:15 P.M	ENVS_PA_07	Bio-effective management of major diseases of cowpea in west bengal with pesticide tolerant antagonist and plant growth promoting micro-bioagents	Anuradha Bandopadhyay, Tina Roy, Nirmalendu Das
3:15 P.M -3:30 P.M	ENVS_PA_05	Acetylcholinesterase, as a potential biomarker of naphthalene pollution in different tissues of freshwater teleost, <i>anabas testudineus</i>	Susri nayak, Lipika patnaik
3:30 P.M -3:45 P.M	ENVS_PA_08	Naringenin regulates cadmium-induced morphological and biochemical alterations with enhanced protein bioavailability in <i>Vigna radiata</i> (mungbean)	Priya Sharma, Vineet Kumar, Rajiv Khosla, Praveen Guleria
3:45 P.M -4:00 P.M	ENVS_PA_09	Evaluation of soil quality on the coal mining-affected and non-affected forest at Changki, Nagaland	Khikeya Semy, M. R. Singh
4:00 P.M -4:15 P.M	ENVS_PA_10	Comparative study of biological synthesized Silver Nano particles and Aqueous extract of <i>Imperata cylindrica</i> on its efficiency against Bacterial contaminants isolated from Domestic waste water	Vicky Mani, Uma Ramaswamy

**PARALLEL SESSIONS
(POSTER PRESENTATIONS)**

SESSION 1: ENVIRONMENTAL TOXICOLOGY & REMEDIATION

SESSION CHAIR: DR. SURANJANA SARKAR (ASSISTANT PROFESSOR, DEPARTMENT OF BOTANY, SURENDRANATH COLLEGE)

SESSION TIME: 2:30 P.M -4.30 P.M THURSDAY,19TH NOVEMBER 2020

TIME ALLOTTED	POSTER ID	PAPER NAME	AUTHORS NAME
2:30 P.M – 2:45 P.M	ENV_PO_4	Removal of Reactive Yellow Dye from Aqueous Solution using Biobeads of <i>Lactobacillus</i>	Rama Karn, Shivangi Singh, Zeenat, Ayushi Verma
2:45 P.M -3:00 P.M	ENV_PO_5	A comparative study of calcium dependent chromium toxicity amelioration in Indian pulses	Riya Bajani, Prithaparna Roy, Dr. Suparna Pal
3:00 P.M -3:15 P.M	ENV_PO_9	Influence of heavy metal contamination on physicochemical properties and bacterial population of opencast coal mine spoils	Rimi Roy, Prosenjit Pyne, ChayanRoy and AmbarishMukherjee ^d
3:15 P.M -3:30 P.M	ENV_PO_10	Parametric Optimization of Biodiesel using <i>Candida antarctica</i> and Performance Characteristics of Biodiesel-Diesel Blends	Dr. Sumit Nandi and Dr. Rupa Bhattacharyya
3:30 P.M -3:45 P.M	ENV_PO_11	Influence of Nano CaCO ₃ on PVC-Poly(methyl methacrylate) blends for enhanced environmental stability	Dr. Rupa Bhattacharyya, Dr. Sumit Nandi and Sukanya Chatterjee
3:45 P.M -4:00 P.M	ENV_PO_12	Blended fuel for Sustainable Development from Industrial Waste– A Mathematical Approach	Debopriya Dey and Dr. SumitNandi
4:00 P.M -4:15 P.M	ENV_PO_13	Micronutrient analysis of Mustard green and Coriander green at different phases of development: A comparative study	Manika Das & Arunima Dhar

**PARALLEL SESSIONS
(PAPER PRESENTATIONS)**

SESSION 2: MICROBIAL BIOTECHNOLOGY

SESSION CHAIR: SOUMEN BASAK (PROFESSOR, SAHA INSTITUTE OF NUCLEAR PHYSICS, KOLKATA)

SESSION TIME: 2:30 P.M -4:30 P.M THURSDAY,19TH NOVEMBER 2020

TIME ALLOTTED	PAPER ID	PAPER NAME	AUTHORS NAME
2:30 P.M – 2:45 P.M	Micro_PA_03	Discovery of Novel Cyclic Salt Bridge in Thermophilic Bacterial Protease and Study of its Sequence and Structure	Debanjan Mitra and Pradeep K. Das Mohapatra
2:45 P.M -3:00 P.M	Micro_PA_05	Combinational Potential of Punica granatum Peel- a Promising Approach against Malassezia Species for Skin Infections	Swamini Saini, Mansi Balhara, Debjani Dutta, Shamik Ghosh, Surabhi Chaudhuri
3:00 P.M -3:15 P.M	Micro_PA_07	Pre-Treatment With Scopolamine Naturally Suppresses Japanese Encephalitis Viral Load In Embryonated Chick Through Modulation Of TLR & Type-I IFN Signaling Pathways	Arghyadeep Bhattacharjee, Rajarshi Chaudhuri, Jiban Jyoti Dash, Manish Saha, Lopamudra Roy, Souvik Roy
3:15 P.M -3:30 P.M	Micro_PA_09	Phytocompound based drug designing as a tool to fight Efflux Mediated Multidrug Resistant Tuberculosis	Santasree Sarma Biswas, Jayanti Datta Roy, Vedant Vikrom Borah, Rene Barbie Browne
3:30 P.M -3:45 P.M	Micro_PA_13	Flavonoid-conjugated gold nanoparticles for antimicrobial chemotherapy against Gram-negative bacteria Escherichia coli	Suvadra Das, Tanay Pramanik
3:45 P.M -4:00 P.M	Micro_PA_14	Health benefits of microflora of fermented bamboo shoots: the 21st century green gold of Northeast India	Prapti Behera, S. Balaji
4:00 P.M -4:15 P.M	Micro_PA_17	In vitro detected hly II cytotoxin in a strain of Staphylococcus aureus (BMS-2) and plant derived aromatic components: A molecular docking study	Debadarshee Das Mohapatra, Smaranika Pattnaik and Sruti Panda
4:15 P.M -4:30 P.M	Micro_PA_18	Phylogenetic analysis, biofilm production and antimicrobial resistance of microbial communities from Adi tribes of Arunachal Pradesh, India.	Parijat Hazarika, Indranil Chattopadhyay, Mika Umpo, Yashmin Choudhury and Indu Sharma

**PARALLEL SESSIONS
(POSTER PRESENTATIONS)**

SESSION 2: MICROBIAL BIOTECHNOLOGY

SESSION CHAIR: DR. ASHWINI CHAUHAN (ASSISTANT PROFESSOR, DEPT. OF MICROBIOLOGY, TRIPURA UNIVERSITY)

SESSION TIME: 2:30 P.M -4.30 P.M THURSDAY,19TH NOVEMBER 2020

TIME ALLOTTED	PAPER ID	PAPER NAME	AUTHORS NAME
2:30 P.M – 2:45 P.M	Micro_PO_01	Bacterial MATE multidrug resistance transporter reveal different catalytic activities in N- and C- lobes	A.V. Nair, S. Raturi, H. Singh, B. Bai, S. Murakami, H.W. van Veena
2:45 P.M -3:00 P.M	Micro_PO_04	Biosynthesis of Gold nano-particle by bacterial strains isolated from soil samples	Dr. Atreyi Ghosh, Ratnadeep Chowdhury, Debanita Mandal, Dr. Rajat Pal
3:00 P.M -3:15 P.M	Micro_PO_05	Interaction of Silver Nanoparticle with Different Flavonoids – in silico Approach	Debraj Hazra and Rajat Pal
3:15 P.M -3:30 P.M	Micro_PO_07	Mutational analysis of the virulence regulatory genes of Vibrio cholerae non-O1/non-O139	Quoelee Biswas and Rupak K. Bhadra

**PARALLEL SESSIONS
(ORAL PRESENTATIONS)**

SESSION 3: MEDICAL BIOTECHNOLOGY

SESSION CHAIR: DR. UTTAM PAL, SCIENTIST D, TECHNICAL RESEARCH CENTRE PROJECT, SN BOSE NATIONAL CENTRE FOR BASIC SCIENCES.

SESSION TIME: 2:30 P.M - 4:30 P.M THURSDAY, 19TH NOVEMBER 2020

TIME ALLOTTED	PAPER ID	PAPER NAME	AUTHORS NAME
2:30 P.M – 2:45 P.M	Medi_PA_01	Unusual nature of binding of lncRNA PANDAR to its binding partner through different RNA binding motifs	Gaurav Kumar Bhagat, Nilkanta Chowdhury, Angshuman Bagchi
2:45 P.M -3:00 P.M	Medi_PA_02	In-silico epitope-based vaccine prediction against fungal infection aspergillosis	Anamika Basu, Anasua Sarkar, Piyali Basak
3:00 P.M -3:15 P.M	Medi_PA_03	Structural characterization of the hidden peptide SHPRH-146aa encoded by non-coding circ-SHPRH to act as tumor suppressor	Aniruddha Biswas, Dr. Angshuman Bagchi
3:15 P.M -3:30 P.M	Medi_PA_05	Mutational impact on 'In-Between-Ring' (IBR) domain of PARKIN on protein stability and function.	Sima Biswas, Dr. Angshuman Bagchi
3:30 P.M -3:45 P.M	Medi_PA_06	Elucidation of diverse physico-chemical parameters in mammalian small heat shock proteins: A comprehensive classification, structural and functional exploration using insilico approach	Sangeeta Mitra, Angshuman Bagchi, Rakhi Dasgupta
3:45 P.M -4:00 P.M	Medi_PA_15	A review on green synthesis, characterization and anticancer application of metallic nanoparticles	Varsha Verma and Piyush Kumar Thakur
4:00 P.M -4:15 P.M	Medi_PA_07	Formulation and characterization of chia seed spread (salvia hispanica) with incorporation of sesame (sesamum indicum) watermelon (citrullus lanatus) and pumpkin (cucurbita pepo) seed	Nabanita Ghosh, Swati Singha, Moumita Ghosh
4:15 P.M -4:30 P.M	Medi_PA_08	Physico-chemical,Antimicrobial And Organoleptic Properties Of Roasted Aromatic Spice (Clove Bud) In Baked Product	Moumita Dev, Minakshi Ghosh , D.K.Bhattacharyya
4:30 P.M -4:45 P.M	Medi_PA_11	Cytotoxic Effect of Bromelain on HepG2 Hepatocellular Carcinoma Cell Line	Sushma S. Murthy and T. Bala Narsaiah

**PARALLEL SESSIONS
(POSTER PRESENTATIONS)**

SESSION 3: MEDICAL BIOTECHNOLOGY

SESSION CHAIR: DR. BISWATOSH GHOSH, ASSISTANT PROFESSOR, DEPARTMENT OF ZOOLOGY, BIDHANNAGAR COLLEGE

SESSION TIME: 2:30 P.M -4.30 P.M THURSDAY,19TH NOVEMBER 2020

TIME ALLOTTED	PAPER ID	PAPER NAME	AUTHORS NAME
2:30 P.M – 2:45 P.M	Medi_PO_03	The use of natural products in downregulating particulate matter-induced inflammation	Debjani Sarkar
2:45 P.M -3:00 P.M	Medi_PO_04	Role of Natural Polyphenols in Neuroprotection: An Overview	Jana Chakrabarti
3:00 P.M -3:15 P.M	Medi_PO_05	Harnessing the functional potential of edible fungi- <i>Agaricus bisporus</i> and <i>Glycine max</i> (Soyabean) for developing a high value plant meat for snacking.	Vibhuti Batra, Abhijit Ganguli
3:15 P.M -3:30 P.M	Medi_PO_06	Studies on in-vitro hypoglycemic effects of Antidiabetic polyherbal formulations	Saptadipa Paul, Mala Majumdar
3:30 P.M -3:45 P.M	Medi_PO_07	Colitis Leads to Neurophysiological Changes and Impede Normal Behaviour Due to Impairment of Gut-Brain Axis	Sohini Mukhopadhyaya, Palok Aicha
3:45 P.M -4:00 P.M	Medi_PO_08	Transcriptomic Analysis of the Entorhinal Regions of Symptomatic and Asymptomatic Alzheimer's Patients	Varun Ullanat , Ryna Shireen Sheriff

DAY 2:**20TH NOVEMBER, 2020**

TIME	NAME OF THE EVENT
9:30 A.M – 10:30 A.M	KEYNOTE ADDRESS BY DR. DEBASHIS MUKHOPADHYAY (PROFESSOR, BIOPHYSICS & STRUCTURAL GENOMICS DIVISION SAHA INSTITUTE OF NUCLEAR PHYSICS KOLKATA, INDIA)
	TITLE OF TALK: RECEPTOR TYROSINE KINASE (RTK) MEDIATED SIGNALING AND AD LIKE PATHOLOGY: MOLECULAR CROSS-TALKS DECIPHERED
10:30 A.M – 11:30 A.M	KEYNOTE ADDRESS BY SANDIPAN GANGULY (SENIOR DEPUTY DIRECTOR (SCIENTIST F & HEAD, DIVISION OF PARASITOLOGY, NATIONAL INSTITUTE OF CHOLERA & ENTERIC DISEASES, KOLKATA, INDIA)
	TITLE OF TALK: GIARDIA LAMBLIA: A VERY PRIMITIVE EUKARYOTE WHICH HAS LEARNED TO REGULATE ITS SURVIVAL IN HIGH OXYGEN TENSION EVEN IN ABSENCE OF FORMAL EUKARYOTIC MITOCHONDRIAL APOPTOTIC CASCADE
11.30 A.M – 12:30 P.M	KEYNOTE ADDRESS BY SANKET JOSHI (DEPUTY DIRECTOR , OIL & GAS RESEARCH CENTER COLLEGE OF SCIENCE, SULTAN QABOOS UNIVERSITY, SULTANATE OF OMAN)
	TITLE OF TALK: PETROLEUM INDUSTRY AND MICROBIAL BIOTECHNOLOGY: APPLICATIONS AND CHALLENGES
12:30 P.M – 1:30 P.M	KEYNOTE ADDRESS BY SAUMYABRATA MAZUMDER (SR. SCIENTIST, PREMAS BIOTECH, NEW DELHI, INDIA)
	TITLE OF TALK: SAFETY AND IMMUNOGENICITY OF TRIPLE ANTIGEN VLP BASED VACCINE AGAINST SARS COV-2
1:30 P.M -2:30 P .M	BREAK

PARALLEL SESSIONS (PAPER PRESENTATIONS)

SESSION 4: ENVIRONMENTAL TOXICOLOGY & REMEDIATION

SESSION CHAIR: PROF. DR. PHANI BHUSAN GHOSH (IEM, KOLKATA)

SESSION TIME: 2:30 P.M – 4.30 P.M FRIDAY, 20TH NOVEMBER 2020

TIME ALLOTTED	PAPER ID	PAPER NAME	AUTHORS NAME
2:30 P.M – 2:45 P.M	ENVS_PA_12	Environmental zinc contamination is an underestimated risk to amphibians: Toxicity evaluation in tadpoles of <i>Fejervarya limnocharis</i>	Arabinda Patar, Indranil Das, Sarbani Giri, Anirudha Giri
2:45 P.M -3:00 P.M	ENVS_PA_13	Phytoremediation of heavy metals by the dominant mangrove associate species of Indian Sundarbans	Pritam Mukherjee, Prosenjit Pramanick, Sufia Zaman and Abhijit Mitra
3:00 P.M -3:15 P.M	ENVS_PA_14	Toxicity Mediated Oxidative Stress and its Mitigation Strategies in Crop Plants	Shivani Batra
3:15 P.M -3:30 P.M	ENVS_PA_15	Impact of Fallow on Soil Health in Mokokchung district, Nagaland, India	Temjen W · Singh M. R
3:30 P.M -3:45 P.M	ENVS_PA_16	Present Scenario of In-situ and Ex-situ Bioremediation of Heavy Metals	Oindrila Paul, Amrita Jasu, Dibyajit Lahiri, Moupriya Nag, Rina Rani Ray
3:45 P.M -4:00 P.M	ENVS_PA_17	Bioremediation: the eco-friendly solution to the hazardous problem of environmental pollution	Susmita Mukherjee, Rajiv Narula, Shreya Bhattacharjee, Debankita Dutta, Indrani Bose, Jitesh Mahakud, Sharanya Paul, Sourish Bhattacharjee, Sonali Paul
4:00 P.M – 4.15 P.M	ENVS_PA_18	Role of plant secondary metabolites in combating pest induced stress in Brinjal (<i>Solanum melongena</i> L.)	Pratik Talukder, Debankita Dutta, Elija Ghosh, Indrani Bose, Sourish Bhattacharjee
4:15 P.M – 4.30 P.M	ENVS_PA_19	Coping the Arsenic Toxicity in Rice Plant with Magnesium Addendum for Alluvial Soil of Gangetic Bengal, India	Sonali Paul, Rupshali Dey, Ipsita Sarkar, Ankit Chakraborty, Sahil Mondal, Sreshtha Saha, Susmita Mukherjee

PARALLEL SESSIONS (POSTER PRESENTATIONS)

SESSION 4: ENVIRONMENTAL TOXICOLOGY & REMEDIATION

SESSION CHAIR: DR. SURANJANA SARKAR (ASSISTANT PROFESSOR, DEPARTMENT OF BOTANY, SURENDRANATH COLLEGE)

SESSION TIME: 2:30 P.M – 4.30 P.M FRIDAY, 20TH NOVEMBER 2020

TIME ALLOTTED	POSTER ID	PAPER NAME	AUTHORS NAME
2:30 P.M – 2:45 P.M	ENV_PO_14	Water Hyacinth incorporated PVC compound for optimized performance applications	Rupa Bhattacharyya, Pampi Majumder, Bhaskar , Sarbani Ganguly
2:45 P.M -3:00 P.M	ENV_PO_15	Nanopesticides – potential antiviral approach against chilli leaf curl viral disease	KH Sodha, HP Gajera, Vasantba J. Jadeja
3:00 P.M -3:15 P.M	ENV_PO_16	Co-exposure of Sodium nitrate along with trematode parasites induce changes in various life history traits of Anuran amphibians <i>Polypedates maculatus</i>	Utsab Singha, Sarbani Giri and Anirudha Giri
3:15 P.M -3:30 P.M	ENV_PO_17	Understanding the role of exopolymer from <i>Planomicrobium</i> halo-rhizobacteria of <i>Avicennia marina</i> of Indian Sundarbans in salt stress adaptation	Pritam Mukherjee, Madhumita Roy, Tirthankar Sen and Abhijit Mitra
3:30 P.M -3:45 P.M	ENV_PO_19	Biochemical and molecular analysis of clusterbean (<i>Cyamopsis tetragonoloba</i> L. Taub.) to drought stress	Mohd Akram Ansari, Veena Pande and Vivek Pandey
3:45 P.M -4:00 P.M	ENV_PO_20	Invitro bio mediated stabilization of beach sand particles in perspective to control coastal erosion	B. Rajan Babu, Jebarathanam Prince Prakash Jebakumar, Ganesan Nandhagopa, Chokalingam Muthiah Ramakritinan
4:00 P.M – 4.15 P.M	ENV_PO_21	Evaluation of salinity tolerance in selected rice genotypes using a Petri-plate screening assay	Kruthika N and Jithesh MN

PARALLEL SESSIONS (PAPER PRESENTATIONS)

SESSION 5: MICROBIAL BIOTECHNOLOGY

SESSION CHAIR: SOUMEN BASAK (PROFESSOR, SAHA INSTITUTE OF NUCLEAR PHYSICS, KOLKATA)

SESSION TIME: 2:30 P.M – 4.30 P.M FRIDAY, 20TH NOVEMBER 2020

TIME ALLOTTED	PAPER ID	PAPER NAME	AUTHORS NAME
2:30 P.M – 2:45 P.M	Micro_PA_19	Isolation and Identification of Lactobacillus Spp. from Curd Samples and Prediction of Genomic Islands in Lactobacillus acidophilus 30SC.	Aastha Upadhyay and Sonakshi Cutting
2:45 P.M -3:00 P.M	Micro_PA_20	Exploring the role of gut microbiome in colon cancer	Indranil Chattopadhyay, Ruby Dhar , Karthikeyan Pethusamy , Ashikh Seethy , Tryambak Srivastava , Ramkishor Sah , Jyoti Sharma and Subhradip Karmakar
3:00 P.M -3:15 P.M	Micro_PA_21	Uropathogenic Escherichia coli in India- An overview on recent research advancements and trends.	Arunita Ghosh, Debojyoty Bandyopadhyay, Snehashis Koley, Mandira Mukherjee
3:15 P.M -3:30 P.M	Micro_PA_22	Catechin as the most efficient bioactive compound from Azadirachta indica with antibiofilm and anti-quorum sensing activities against dental biofilm: an in vitro and in silico study.	Dibyajit Lahiri, Moupriya Nag, Ritwik Banerjee, Indranil Mukherjee, Shreyasi Ghosh, Ankita Dey, Rinarani Ray
3:30 P.M -3:45 P.M	Micro_PA_23	Antibiofilm activity of α -Amylase from Bacillus subtilis and prediction of the optimized conditions for biofilm removal by Response Surface Methodology (RSM) and Artificial Neural Network (ANN)	Dibyajit Lahiri, Moupriya Nag, Tanmoy Sarkar, Bandita Dutta, Rinarani Ray

PARALLEL SESSIONS (POSTER PRESENTATIONS)

SESSION 5: MICROBIAL BIOTECHNOLOGY

SESSION CHAIR: DR. ASHWINI CHAUHAN (ASSISTANT PROFESSOR, DEPT. OF MICROBIOLOGY, TRIPURA UNIVERSITY)

SESSION TIME: 2:30 P.M – 4.30 P.M FRIDAY, 20TH NOVEMBER 2020

TIME ALLOTTED	PAPER ID	PAPER NAME	AUTHORS NAME
2:30 P.M – 2:45 P.M	Micro_PO_08	Formulation and optimization of plant-based hand sanitizer and its commercial analysis	Sheetal Yadav, Akanksha Kulshreshtha
2:45 P.M -3:00 P.M	Micro_PO_09	Statistical Optimization of Amylase Production and its Purification from a Palm Wine Isolate Bacillus sp., Q-164	S.Satya Lakshmi
3:00 P.M -3:15 P.M	Micro_PO_10	Studies on Antibiotics and Heavy Metal Resistance Profiling of Mimosa Pudica associated Paraburkholderia sp.	Lekha Sharma, Dr. Girish K Goswami,
3:15 P.M -3:30 P.M	Micro_PO_12	Antibiofilm activity of betel leaf against S. aureus biofilm	Ankita Dey, Swati Chakraborty
3:30 P.M – 3.45 P.M	Micro_PO_13	Phenol-soluble modulins (PSM): A New Target of Drugs	Meghna Pramanik, Dibyajit Lahiri, Moupriya Nag

PARALLEL SESSIONS (PAPER PRESENTATIONS)

SESSION 6: MEDICAL BIOTECHNOLOGY

SESSION CHAIR: DR. UTTAM PAL, SCIENTIST D, TECHNICAL RESEARCH CENTRE PROJECT, SN BOSE NATIONAL CENTRE FOR BASIC SCIENCES.

SESSION TIME: 2:30 P.M – 4.30 P.M FRIDAY, 20TH NOVEMBER 2020

TIME ALLOTTED	PAPER ID	PAPER NAME	AUTHORS NAME
2:30 P.M – 2:45 P.M	Medi_PA_12	Ecofriendly synthesis and characterization of silver nanoparticles using aqueous extracts of <i>Portulaca quadrifida</i> L and its antioxidant and antimicrobial activities	Poornima Ramesh Babu, Uma Ramaswamy
2:45 P.M -3:00 P.M	Medi_PA_14	Evaluation of <i>in vitro</i> immuno-modulatory activity of <i>Withania somnifera</i> roots on human neutrophils	Asha Arora, Pallavi Solanki and Dinesh Kumar
3:00 P.M -3:15 P.M	Medi_PA_17	Role of TET2 in Hematological Disorders	Ashikh Seethy, Karthikeyan Pethusamy, Indranil Chattopadhyay, Ramkishor Sah, Ruby Dhar, and Subhradip Karmakar
3:15 P.M -3:30 P.M	Medi_PA_16	Peptide conjugated poly-lysine dendritic nanocarrier for targeted methotrexate drug delivery in breast cancer	Pratibha Narayanan, K. Santhosh Kumar
3.30 P.M – 3.45 P.M	Medi_PA_18	Gelatin based hydrogel incorporated with curcumin nanoparticles for wound healing	Syed Muntazir Andrabi, S. Majumder and Ashok Kumar
3:45 P.M – 4:00 P.M	Medi_PA_19	Evaluating the anti-diabetic potential of resveratrol oligomers isolated from the stem bark of <i>Hopea pona</i> in skeletal muscle cell lines	Lekshmy Krishnan S, Sasikumar P, K V Radhakrishnan, P Jayamurthy
4:00 P.M – 4:15 P.M	Medi_PA_20	Novel small peptide ligands for targeting membrane proximal region of chemokine receptor CCR5 to inhibit the HIV-1 entry.	Anju Krishnan and K Santhosh Kumar
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4:15 P.M – 4:30 P.M	Medi_PA_21	Progeria- a rare genetic condition with accelerated aging process	Pratik Talukder, Arunima Saha, Sohini Roy, Gargi Ghosh, Debshikha Dutta Roy, Snejuti Barua
4:30 P.M – 4:45 P. M	Medi_PA_22	Huntington's chorea – a rare neurodegenerative autosomal disease	Pratik Talukder, Annapurna Jana, Shrirupa Dhar, Saikat Ghosh
4:45 P.M – 5:00 P.M	Medi_PA_23	RNAi technology and Possible Vaccines to Combat SARS CoV2	Pratik Talukder, Sounak Chanda

PARALLEL SESSIONS (POSTER PRESENTATIONS)

SESSION 6: MEDICAL BIOTECHNOLOGY

SESSION CHAIR: DR. BISWATOSH GHOSH, ASSISTANT PROFESSOR, DEPARTMENT OF ZOOLOGY, BIDHANNAGAR COLLEGE

SESSION TIME: 2:30 P.M – 4.30 P.M FRIDAY, 20TH NOVEMBER 2020

TIME ALLOTTED	POSTER ID	PAPER NAME	AUTHORS NAME
2:30 P.M – 2:45 P.M	Medi_PO_09	A molecular study delineating the role of atorvastatin on breast cancer bone metastasis targeting osteoclastogenic factors	S.Abirami, SRR.Arulmozhivarman, Dr.H.Thilagam Dr.P. Rasappan, Dr.Shila Samuel
2:45 P.M -3:00 P.M	Medi_PO_10	Comparative analysis of different plant extracts with standard drugs for anti-oxidant and anti-diabetic properties	Arjun Singh Bisht, Archit Jindal, Akhanksha Kulshreshtha
3:00 P.M -3:15 P.M	Medi_PO_11	Illustration on Ca/cao nanoparticles biosynthesis and its several applications	Madhubala Kumari, Biplab Sarkar and Koel Mukherjee
3:15 P.M -3:30 P.M	Medi_PO_12	RAPD and ITS-PCR based analysis of <i>Tinospora cordifolia</i> and its commercial medicinal formulations	Suchita Lade, Veena pande, Hemant Kumar Yadav
3.30 P.M – 3.45 P.M	Medi_PO_13	Antioxidant, Antimicrobial and antidiabetic property of <i>Chaetomorpha antennina</i> collected from the sea shore of Pondicherry	Maheswari A and Dr Salamun DE

DAY: 3

21st November, 2020

TIME ALLOTTED	ACTIVITY
10:00 A.M- 11:00 A.M	VALEDICTORY SESSION & AWARD CEREMONY

SPECIAL LECTURE BY

DR. EHRLICH GARTH

(PROFESSOR, DREXEL UNIVERSITY COLLEGE OF MEDICINE IN PHILADELPHIA, PA, USA)

SESSION TIME: 8:00 PM -9:00 PM

**TITLE OF TALK: IDENTIFICATION OF NOVEL TARGETS AND DEVELOPMENT OF NEW CLASSES OF DRUGS FOR THE TREATMENT OF
CHRONIC**