



01-03 NOV 2023

NEPAL

Second South Asian Symposium on Microbial Ecology (SASME 2023)

Himalaya Drishya Resort, Dhulikhel, Nepal

(01 - 03 November, 2023)

Program Schedule

01 November 2023 (Day - I)

07:00-08:30	Breakfast/Registration	
	Pre-symposium workshop I Advanced Methods on Microbial Ecology: (Gaurishankar Hall) Chairperson: <i>Prof. Thulani Makhalanyane</i> Moderator: <i>Dr. Reshma Tuladhar</i> Rapporteur: <i>Ms. Charu Arjyal</i>	
08:30-08:35	Introduction to the Program	<i>Dr. Dev Raj Joshi</i> SASME 2023
08:35-08:40	Remarks From ISME	<i>Prof. Thulani Makhalanyane</i> ISME
08:40-09:40	Training Module I : Concepts of eDNA and gDNA/Nanopore MinION system	<i>Dr. Anwesha Ghosh</i> IISER, Kolkata, India
09:40-10:40	Training Module II: gDNA sequence data processing	<i>Prof. Punyasloke Bhadury</i> IISER, Kolkata, India
10:40-11:10	Tea Break	
11:10-12:00	Training Module III: Introduction to SeqCode	<i>Dr. Anwesha Ghosh</i> IISER, Kolkata, India
12:00-13:00	Lunch & Networking	
13:00-14:30	Pre-symposium workshop II: Scientific writing and Publication in high impact journal (Gaurishankar Hall) Chairperson: <i>Prof. Colin Murrell</i> Moderator: <i>Dr. Pramod Poudel</i> Rapporteur: <i>Mr. Santosh Khanal</i>	<i>Prof. Jillian Peterson</i> Chief Editor, ISMEJ
14:30-15:30	Scientific Exhibition with Tea (Exhibition Lobby) Moderator: <i>Dr. Tista Prasai Joshi</i> Rapporteur: <i>Mr. Sudeep K C</i>	
15:30-16:30	SASME 2023 Inauguration Ceremony (Gaurishankar Hall)	
	Inaugural Scientific Session -I (Gaurishankar Hall) Chair: <i>Prof. Krishna Das Manandhar</i> ; Co-Chair: <i>Prof. Dhruva Prasad Gauchan</i> Rapporteur: <i>Dr. Dipendra Shrestha</i> ; <i>Ms. Elina Maharjan</i>	
16:30-17:00	<i>Plenary I: Microbial literacy for better human health, environmental protection and global peace: Our mission and initiative</i>	<i>Prof. Rup Lal</i> , Senior Fellow of INSA, India
17:00-17:10	<i>Industrial presentation I : Intelligent microbial detection in water using Enzyme Substrate Method</i>	<i>Mr. Lei Xu</i> Tailin Biotech in Hangzhou, China Co., China

17:10-17:20	<i>Industrial presentation II: Biofertilizer development using indigenous microorganisms based technology with the management and recycling of agricultural waste</i>	Dr. Pooja Manandhar Nepal Bioscience Research Laboratory, Nepal
17:20-17:45	Break/Networking	
17:45-19:45	Cultural Program and Welcome Dinner (Himalaya Drishya Resort, Dhulikhel)	
19:45 Onwards: ISME Ambassador Meeting (Closed)		

02 November 2023 (Day - II)

07:00-08:30	Breakfast / Registration	
<p align="center">Scientific Session II Chair: Prof. Shahida Hasnain, Co-chair: Dr. Namraj Dharmi Rapporteurs: Ms. Charu Arjyal, Dr. Smita Shrestha Gaurishankar Hall</p>		
08:30-09:00	<i>Plenary 2: Focused and functional metagenomics: A case study of trace gas metabolism</i>	Prof. Colin Murrell , University of East Anglia, Norwich, UK
09:00-09:30	<i>Plenary 3: Microbially driven elemental cycling in the ocean and climate change</i>	Prof. Feng-Ping Wang , Shanghai JiaoTong University, China
09:30-10:00	<i>Plenary Talk 4: 400 million years of symbiosis: Ecology and evolution of host-microbe interactions in marine lucinid clams</i>	Prof. Jillian Peterson , University of Vienna, Austria
10:00-10:30	Tea / Coffee	
<p align="center">Scientific Session III Chair: Prof. Colin Murrell, Co-Chair: Prof. AA Mohamed Hatha Rapporteurs: Mr. Sagar Aryal, Ms. Suchitra Thapa Gaurishankar Hall</p>		
10:30-11:00	<i>Plenary 5: Microbial diversity, microbiomes, and microbiota: Unveiling nature's hidden players and their future prospects</i>	Prof. Shahida Hasnain , The University of Punjab, Pakistan
11:00-11:30	<i>Plenary 6: Microbial contributions to ecosystem functioning in the Southern Ocean</i>	Prof. Thulani P Makhwanyane , University of Pretoria, South Africa
11:30-12:00	<i>Plenary 7: Development of control technologies for eliminating antibiotics and blocking antibiotic resistance dissemination in environment</i>	Prof. Yu Zhang , University of Chinese Academy of Sciences, China
12:00-12:45	Lunch	
12:45-13:30	<p align="center">Poster Session – I Chair – Dr Sarita Manandhar; Rapporteurs: Ms. Purnima Baidya Poster Lobby</p>	
<p align="center">Scientific Session IV-A Chair: Prof. Yu Zhang, Co-Chair: Prof. Ferdaus Mohd. Altaf Hossain Rapporteurs: Dr. Rashmi Koju, Ms. Naina Byanjankar Gaurishankar Hall</p>		

13:30-13:45	Invited 1: Antimicrobial resistance: The current situation and way forward!	Prof. Md Tanvir Rahman Bangladesh Agricultural University, Bangladesh
13:45-14:00	Invited 2: Plasmids as the main carrier for the proliferation of antibiotic resistance genes in aerobic biofilm microbiota under increasing antibiotic pressures	Dr. Zhe Tian Research Center for Eco-Environmental Sciences, China
14:00-14:10	O1: Environmental emergence of antimicrobial resistance: a case study in the Sundarbans mangroves	Dr. Anwesha Gosh IISER, Kolkata, India
14:10-14:20	O2: Characterization of Super antigenic Methicillin-Resistant <i>Staphylococcus aureus</i> from commercial Cheese in Sylhet, Bangladesh	Fahmida Jahan Fahim Sylhet Agricultural University, Bangladesh
14:20-14:30	O3: Marker-less deletion of <i>cctA</i> gene of <i>Clostridium chauvoei</i>	Dr. Sanjay Kumar Gupta University of Delhi, India
14:30-14:35	F1: Extended-spectrum β -lactamase-producing bacteria and their determinants in different wastewaters in Nepal	Santosh Khanal Tribhuvan University, Nepal
14:35-14:40	F2: Variations in antibiotic resistance, biofilm production, and virulence in <i>Enterococcus faecalis</i> isolated from cultured and wild Fish (<i>Anabas scandens</i> and <i>Heteropneustes fossilis</i>)	Rana Md. Liton Bangladesh Agricultural University, Bangladesh
14:40-14:45	F3: Antibiotic resistance determinants among carbapenemase producing bacteria isolated from wastewaters of Kathmandu, Nepal	Sudeep K C Tribhuvan University, Nepal
14:45 – 15:30	Poster Session – II Chair – Dr. Ramesh Sapkota Rapporteurs: Ms. Purnima Baidya Poster Lobby / Tea	
Scientific Session V A Chair: Prof. Jillian Peterson, Co-Chair: Dr. Dharam Singh Rapporteurs: Ms. Pramila Parajuli, Ms. Najma Bajracharya Gaurishankar Hall		
15:30-15:45	Invited 5: Leishmaniasis - Challenges and progress in vaccine discovery	Dr. Rachel Bras-Gonçalves Research Institute for Sustainable Development, France
15:45-15:55	O7: Inflammatory and deleterious role of gut microbiota-derived trimethylamine on colon cells	Dr. Anil Kumar National Institute of Immunology, New Delhi, India
15:55-16:05	O8: Chemokine Receptor-5: A new hope in the regulation of environmental allergen-primed and	Prof. Ferdous Mohd. Altaf Hossain

	human-Rhinovirus-1B-exacerbated severe pediatric asthma pathogenesis	Sylhet Agricultural University, Bangladesh
16:05-16:15	O9: Gut Microbiome Bacteriocins as promising agents to combat metabolic disorders: Microbial cure for diet imbalances?	Prof. Rekha Kumari University of Delhi, India
16:15-16:20	F7: Computational design of epitope-based vaccine against MDR <i>Acinetobacter baumannii</i>	Shiv Nandan Sah Panjab University, Chandigarh, India
16:20-16:25	F8: Detection of metallo- β -lactamase-producing <i>Pseudomonas aeruginosa</i> isolates from tertiary care hospitals in Kathmandu	Pushpa Man Shrestha Tribhuvan University, Nepal
16:25-16:30	F9: <i>nimE</i> gene dependent metronidazole resistant <i>Bacteroides fragilis</i> in surgical site infections in Eastern Nepal	Bijoy Laxmi Dewasy Tribhuvan University, Nepal
16:30-16:35	F10: Frequency of extended spectrum Beta-lactamases among <i>Acinetobacter calcoaceticus baumannii</i> (ACB) complex in clinical isolates from tertiary care hospital in Kathmandu, Nepal.	Manju Shree Shakya Hada Tribhuvan University, Nepal
16:35-16:45	Break	
Scientific Session IV B Chair: Prof. S. Suriyanarayanan, Co-Chair: Dr. M. A. Poorna C. Piyathalika Rapporteurs: Ms. Manita Shyaula, Ms. Bijaya Laxmi Maharjan Lhotse Hall		
13:30-13:45	Invited 3: Circulating dengue virus and neutralizing antibodies in Nepalese population	Prof. Krishna Das Manandhar Tribhuvan University, Nepal
13:45-14:00	Invited 4: Exploring genomics, proteomics and cheminformatics of dengue virus using <i>in silico</i> studies	Dr. Mansi Verma University of Delhi, India
14:00-14:10	O4: Serological, molecular and cytokine expression of Hepatitis B Virus (HBV)	Dr. Smita Shrestha Tribhuvan University, Nepal
14:10-14:20	O5: Production and evaluation of polyclonal antibody for the VP2 gene of Porcine Bocavirus	Dr. Manita Aryal Tribhuvan University, Nepal
14:20-14:30	O6: Alterations in the tail spike protein of a phage Φ Kp_Pokalde_001, which infects <i>Klebsiella pneumoniae</i> , lead to modifications in the appearance of plaques	Dr. Gunaraj Dhungana Tribhuvan University, Nepal
14:30-14:35	F4: Distribution and diversity pattern of viruses from a tropical estuary (Cochin estuary, India)	Dr. Jasna Vijayan CSIR-National Institute of Oceanography, Kerala, India
14:35-14:40	F5: Detection of SARS-CoV-2 and Influenza virus from river water of Kathmandu Valley	Ms. Dinju Manandhar Tribhuvan University, Nepal
14:40 – 15:30	Poster Session – II Chair – Pradeep Kumar Shah; Rapporteurs: Mr. Om Prakash Pant, Ms Mahima Joshi	

Poster Lobby / Tea		
Scientific Session V B Chair: Prof. Anwar Hussain, Co-Chair: Dr. Om Namgay Rapporteurs: Ms. Manisha Shrestha, Ms. Manisha Ghimire Lhotse Hall		
15:30-15:45	Invited 6: Changes in the microbial diversity in the Arctic as a function of climate change	Prof. AA Mohamed Hatha, Cochin University of Science and Technology, India
15:45-15:55	O10: Chemical composition and microbial quality of Datshi and Zoety, cottage cheese of Bhutan	Anooja Nair Royal University of Bhutan, Bhutan
15:55-16:05	O11: Unraveling microbial interactions in the wastewater microbiome: Insights from meta-genomic analysis	Manojkumar D. Godhaniya Saurashtra University, Rajkot, India
16:05-16:10	F11: <i>In vitro</i> evaluation of probiotic properties of <i>Lactobacillus</i> strains isolated from traditional buffalo curd in Sri Lanka	Chaturi Jayamalie Gunathunga University of Sri Jayewardenepura, Sri Lanka
16:10-16:15	F12: Remediation of bacteria contaminated wastewater using biochar supported nanoscale zero-valent iron	A. A. Yasmitha A. Alahakoon Institute of Chemistry, Ceylon, Sri Lanka
16:15-16:20	F13: Inducing salinity tolerance in <i>Solanum lycopersicum</i> through microbiome-based rhizosphere engineering	Salila Pradhan Indian Institute of Technology, Delhi, India
16:20-16:25	F14: Tea waste biochar for production of nitrogen biofertilizer using nitrogen fixing microorganisms	Shashika M. Y. Yapa Mudiya Selage University of Colombo, Sri Lanka
16:25-16:30	F15: Ecological health assessment of a freshwater river in South Asia- integrating water quality monitoring with eDNA analysis	Chakresh Kumar Indian Institute of Science Education and Research Kolkata, India
16:00-16:45	Break	
16:45-17:45	Workshop III Women in Microbial Ecology Chair: Prof. Anjana Singh, Co-Chair: Dr. Rachel Bras-Gonçalves Moderator: Dr. Tista Prasai Joshi; Rapporteur: Ms. Pramila Parajuli, Gaurishankar Hall	
17:45-18:45	Workshop IV Career Round Table Chair: Prof. Colin Murrell, Co-Chair: Prof Tanvir Md Rahman Gaurishankar Hall	

07:00-08:00	Breakfast / Registration	
Scientific Session VIA Chair: Prof. Feng-Ping Wang, Co-Chair: Dr. Mansi Verma Rapporteurs: Mr. Hemanta Khanal; Ms. Naina Byanjankar Gaurishankar Hall		
08:00 - 08:15	Invited 7: Biological tracking of nitrogen pollution in mangroves- biomonitoring using high-throughput sequencing approach	Prof. Punyasloke Bhadury Indian Institutes of Science Education and Research Kolkata, India
08:15 - 08:30	Invited 8: Chromate stress management in sunflower through root interacting microbes	Prof. Anwar Hussain Abdul Wali Khan University, Mardan, Pakistan
08:30 - 08:40	O12: Phylogenomics-based reclassifications in the genus <i>Psychrobacter</i> including emended descriptions of <i>P. pacificensis</i> , <i>P. proteolyticus</i> and <i>P. submarinus</i>	Dr. Jasvinder Kaur University of Delhi, India
08:40 - 08:50	O13: SeqCode – A novel nomenclatural system to accommodate the previously unattended unculturable prokaryotes	Dr. Pushp Lata Department of Zoology, University of Delhi, India
08:50 - 09:00	O14: Unravelling the productivity, morphological adaptation, and C-N-S gene profiling of the heterotrophic community in the Eastern Arabian Sea amidst the South West Monsoon	Hafza Shyla Cochin University of Science and Technology, India
09:00- 09:05	F16: Exploring <i>Lactobacillus acidophilus</i> as a source of potent bacteriocins for combating multidrug-resistant foodborne pathogens: A probiotic approach to addressing antibiotic resistance and enhancing food safety	Dr. Md Mahmudul Hasan Sylhet Agricultural University, Bangladesh
09:05 - 09:10	F17: Evaluation of antibacterial efficacy in underutilized edible plants and the fabrication of Nanoencapsulated Edible Fiber Mat	Pamoda S. Peduruhewa University of Sri Jayewardenepura, Sri Lanka
09:10 -9:15	F24: Haloalkaliphilic bacteria capable of linking sulfide oxidation to manganese(IV) oxide reduction	Ramandeep Singh Indian Institute of Science Education and Research Mohali, Punjab, India
09:15 -9:30	Break/Tea	
Scientific Session VII A Chair: Prof. Tanvir Md. Rahman, Co-Chair: Dr. Zhe Tian Rapporteurs: Mr. Krishna Gurung, Ms. Saraswati Gaihre Gaurishankar Hall		
9:30-9:45	Invited 11: Bioprospection of microbial extremozymes from Indian Himalayan Niches	Dr. Dharam Singh CSIR-Institute of Himalayan Bioresource Technology, Palampur, India
9:45-10:00	Invited 12: Unlocking nature's pharmacy: Bioactive secondary metabolites of endophytic fungi isolated	Prof. Dhruva P Gauchan Kathmandu University, Nepal

	from Himalayan Yew and the quest for anticancer marvel, taxol	
10:00-10:10	O17: Prospect of bacteriophages as an alternative to antibiotics in typhoidal salmonella therapy	Dr. Jivan Shakya Institute for Research in Science and Technology, Nepal
10:10-10:15	F18: N(4)-Ring substituted 3-Acetyl coumarin thiosemicarbazones and their copper(II) complexes: Synthesis, characterization, anti-microbial, pharmacokinetics and molecular docking	Ramina Maharjan Shrestha Trichandra M. Campus, Nepal
10:15-10:20	F19: Correlation between the distribution of polyaromatic hydrocarbon pollution and the diversity of phyllosphere fungi: Bioremediation approach by phyllosphere fungi.	R. B. Nadeema Dharmasiri University of Sri Jayewardenepura, Sri Lanka
10:20-10:30	Break	
Scientific Session VI B Chair: Prof. Mahendra Maharjan, Co-Chair: Dr. Himal Luitel Rapporteurs: Mr Santosh Khanal, Ms Shrijana Bista Lhotse Hall		
08:00 - 08:15	Invited 9: Preliminary evaluation of native isolates of <i>Trichoderma</i> spp. against <i>Phytophthora capsici</i>	Dr. Om Namgay Ministry of Agriculture and Livestock, Bhutan
08:15 - 08:30	Invited 10: Scientific study of Yarsagumba (<i>Ophiocordyceps sinensis</i>) in Nepal	Dr. Bhushan Shrestha Madan Bhandari University of Science and Technology, Nepal
08:30 - 08:40	O15: Mitigating action of coral fossil against mycotoxin infection in broiler	Dr. Afrina Mustari Bangladesh Agricultural University, Bangladesh
08:40 - 08:50	O16: Inhibition of harmful cyanobacterium, <i>Microcystis aeruginosa</i> using <i>Moringa oleifera</i> functionalized iron oxide nanoparticles in Beira Lake, Sri Lanka.	Dr. M. A. Poorna C. Piyathalika University of Colombo, Sri Lanka
08:50 - 08:55	F20: Potential of exopolysaccharides producing endophytic fungus <i>Aspergillus niger</i> to mitigate NaCl stress in <i>Brassica napus</i> L. seedlings	Aneesa Nayab Abdul Wali Khan University Mardan, Pakistan
08:55 - 09:00	F21: Distribution of citrus greening (HLB) disease in Gandaki Province of Nepal and identification of disease hotspots	Sushil Dhungana Plant Protection Laboratory, Pokhara, Nepal
09:00 - 09:05	F22: Potential of rhizospheric fungi to reduce copper and lead toxicity in <i>Triticum aestivum</i> L.	Naveen Dilawar Abdul Wali Khan University Mardan, Pakistan
09:05 - 09:10	F23: Prospective approach to explore the potentiality of microbial biocontrol agents against Fusarium head blight of wheat	Meghasree Devaiah University of Agricultural Sciences, Karnataka, India
09:10 - 9:30	Break/Tea	

<p align="center">Scientific Session VII B Chair: Prof. Punyasloke Bhadury, Co-Chair: Dr Lanka Undugoda Rapporteurs: Mr Om Prakash Pant, Ms. Bijaya Laxmi Maharjan Lhotse Hall</p>		
9:30-9:45	Invited 13: Environment Surveillance of SARS-CoV-2 genomic variants in wastewater of Kathmandu, Nepal	Dr. Reshma Tuladhar Tribhuvan University, Nepal
9:45-10:00	Invited 14: Insights into molecular drug target genes in <i>Mycobacterium tuberculosis</i> using comparative genomics	Dr. Helianthous Verma University of Delhi, India
10:00-10:10	O18: Metagenome analysis of human gut microbiome along different altitudes of Nepal	Dr. Dipendra Shrestha Manmohan Technical University, Nepal
10:10-10:20	O19: Decoding of microbial composition shifts by oral metagenomics of male and female tobacco chewers and their non-chewer siblings	Dr. Pravin Dudhagara Veer Narmad South Gujarat University, Surat , India
10:20 -10:30	Break	
10:30-11:30	Workshop V Industry to Academy Panel Discussion Chair: Mr. Ganesh Shah, Co-Chair: Dr. Bhisma Kumar Bhusal Moderator: Dr. Pramod Poudel Gaurishankar Hall	
11:30-12:30	Valedictory & Prize distribution	
12:30-13:30	Lunch	

Poster Presentations

S. N.	Code	Presenter	Title of Abstract
1	PO-1	Aashma Gyawali Nepal Academy of Science and Technology	Antibiotic resistance organism in the drinking water of government schools inside Kathmandu valley
2	PO-2	Abhilash Kumar University of Delhi, India	Genome attributes in psychrophilic, mesophilic and thermophilic strains
3	PO-3	Dipendra Kumar Mandal Tribhuvan University, Nepal	Isolation and characterization of lytic bacteriophage against carbapeneme resistant <i>Klebsiella pneumonia</i> containing blaNDM-1 gene causing urinary tract infection
4	PO-4	Anima Shrestha Tribhuvan University, Nepal	Community bacteria in semen from men among infertile couples
5	PO-5	Dr. Soumya K Cochin University of Science and Technology, India	Risk assessment of plastic associated biofilm forming bacteria from popular beaches around Cochin- Kerala

6	PO-6	Arati Thakur Central Campus of Technology, Nepal	Prevalence of multidrug resistant <i>Staphylococcus aureus</i> isolated from clinical samples among the patients visiting a tertiary care hospital, Biratnagar”
7	PO-7	Arya Gautam New York University Abu Dhabi, UAE	The diversity and functional potential of Himalayan fermented foods
8	PO-8	Avilasha Sharma Tribhuvan University, Nepal	Detection of human pathogenic viruses from river water of Kathmandu Valley
9	PO-9	Bala Sharma Institute of Agriculture and Animal Science, TU, Nepal	Microbial diversity of pigeon pea modulating bacteria in Nepal
10	PO-10	Bhupendra Lama Nepal Academy of Science and Technology	Exploring the prevalence and genetic diversity of β -Lactam resistance in <i>Escherichia coli</i> isolates from the sewage network and waterways of Kathmandu Valley
11	PO-11	Bijaya Laxmi Maharjan Amrit Campus, Nepal	Plant based control of fish pathogenic drug resistant <i>Aeromonas</i> spp from food system aquaculture
12	PO-12	Charu Arjyal Padma Kanya M. Campus, Nepal	Recovery of methicillin resistant Staphylococci from public vehicles in Kathmandu
13	PO-13	Deepa Neupane Nepal Academy of Science and Technology	Occurrence of antibiotic resistant bacteria and their associated genes in municipal wastewater treatment plant
14	PO-14	Elina Maharjan Tribhuvan University, Nepal	Biocontrol activity of bacterial isolates against fungal plant disease
15	PO-15	Farsana A Cochin University of Science and Technology, Kerala, India	Polysaccharide utilization profile of cultivable bacteria from Arctic- Glaciomarine System
17	PO-17	Islam Raihana Bangladesh Agricultural University, Bangladesh	Environmental distribution of antibiotic-resistant <i>Pseudomonas aeruginosa</i> and their virulence gene profiling having potential public health significance
18	PO-18	Jesmi Yousuf Cochin University of Science and Technology, India	Spread of multidrug resistant bacteria and resistant genes in domestic water sources in coastal belts of Cochin, India
19	PO-19	Jharana Khanal Nepal Academy of Science and Technology	Antimicrobial resistance bacteria present in drinking water of Ratnanagar Municipality, Chitwan.
20	PO-20	Joshna Thapa Nepal Academy of Science and Technology	Extended-spectrum β -lactamase and carbapenemase producing bacteria isolated from River Water in Kathmandu
21	PO-21	Jyoti Dagar University of Delhi, India	‘Bacteria-ciliates’ symbiosis: An ancient partnership
22	PO-22	Kabita Adhikari Amrit Campus, Nepal	Phytochemical screening and antibacterial activity of <i>Artemisia vulgaris</i> and <i>Ageratina adenophora</i>
23	PO-23	Khusbhu Jaiswal	Physico-chemical and microbiological analysis of Tube well water in Simrangaudh municipality, Bara, Nepal

		Tri- Chandra M. Campus, Nepal	
24	PO-24	Malika Chaulagai Nepal Academy of Science and Technology, Nepal	Prevalence of antibiotic resistant bacteria in drinking water in Banepa municipality
25	PO-25	Mamta Bhatta Tribhuvan University, Nepal	Assessment of groundwater quality and application of bio- sand filter for the removal of ammonia from groundwater
26	PO-26	Manisha Shrestha Tribhuvan University, Nepal	Detection of metallo- β -lactamase encoding genes (<i>blaNDM-1</i> , <i>blaVIM</i> , <i>blaIMP</i>) and class 1 integron in carbapenem resistant Enterobacteriaceae (CRE) isolated from clinical specimens
27	PO-27	Manita Shyaula Nepal Academy of Science and Technology	Microbiological assessment of fruit juices available in local markets in Nepal
28	PO-28	Syed Asim Abdul Wali Khan University Mardan, Pakistan	Controlling economically important weeds by using endophytic fungi isolated from <i>Triticum aestivum</i> L.
29	PO-29	Naina Byanjankar Nepal Academy of Science and Technology	Prevalence of microorganisms producing biofilms in bottled water of Kathmandu Valley
30	PO-30	Najma Bajracharya Nepal Academy of Science and Technology	Exploring antibacterial property of amides produced through magnesium-catalyzed acetylation of amines
31	PO-31	Neenu P Cochin University of Science and Technology, India	Prevalence of faecal indicator and pathogenic bacteria Vibrio sp. and salmonella in shellfish (<i>Villorita</i> <i>cyprinoides</i> var. <i>cochinensis</i>), sediment and harvesting waters from Vembanad Lake, India
32	PO-32	Nirupama Saini Indian Institute of Science Education and Research Kolkata, India	Interaction between microbes and microplastics in Northeast Coastal Bay of Bengal: Attachment to degradation
33	PO-33	Dayani Pavalakumar University of Sri Jayawardenepura, Sri Lanka	Comprehensive study of gastrointestinal tolerance and safety assessment of probiotic lactic acid bacteria isolated from Tender Coconut Water
34	PO-34	Prabin Chaudhary Tribhuvan University, Nepal	Intestinal parasitic infection and its associated determinants in school-going children in rural and urban areas of Kavrepalanchok district: A cross-sectional study
35	PO-35	Pratiksha Sharma Nepal Agricultural Research Council	Performance of rice genotypes against leaf blast (<i>Pyricularia oryzae</i>) in multi-environmental conditions in Nepal
36	PO-36	Prativa Poudel Tribhuvan University, Nepal	Predominance of <i>SCCmec</i> Type II among <i>Staphylococcus</i> <i>aureus</i> in surgical site infections from Eastern Nepal
37	PO-37	Dr. Praveen A Annamalai University, Tamil Nadu, India	Bio-efficacy of marine macro algae and bio-agents for the management of stem rot of groundnut incited by <i>Sclerotium rolfsii</i> Sacc.

38	PO-38	Purnima Deen Dayal Upadhyaya Gorakhpur University, India	Isolation of plant growth promoting rhizobacteria from agricultural field of Gorakhpur, India and their growth effects on Spinach (<i>Spinacia oleracea</i> L.)
39	PO-39	Rama Khadka Padma Kanya Multiple Campus, Nepal	Determination of efficacy of hand sanitizer available in market of Kathmandu valley
41	PO-41	Ranjana Karki Tribhuvan University, Nepal	Detection of enteric viruses in the drinking water source of a distribution system in Kathmandu
42	PO-42	Dr. Rashmi Koju Research Center for Eco- Environmental Sciences, CAS, China	Microbial community analysis against 1-hydroxyethane-(1,1-bisphosphonic acid) on heterotrophic denitrification
43	PO-43	Renuka Maharjan Tribhuvan University, Nepal	Prevalence of <i>blaKPC</i> and <i>AcrAB</i> efflux pump genes among <i>Klebsiella pneumoniae</i> isolated from surgical site infections
44	PO-44	Riya Tamang Amrit Campus, TU, Kathmandu, Nepal	Prevalence of multiple antibiotic resistant and biofilm producing bacteria isolated from drinking water of community water supply system in Kathmandu, Nepal
45	PO-45	Roushan Kumar Magadh University, Bodh Gaya, India	Health risk assessment of coal mine workers using microbial signatures
46	PO-46	Rubina Katuwal Central Campus of Technology, Nepal	Detection of <i>spa</i> gene from <i>Staphylococcus aureus</i> isolated from skin swab of domestic animals of Dharan, Nepal
48	PO-48	Sandeep Antil University of Delhi, India	Assessment of lead (Pb) toxicity in two different isolates of <i>Euplotes woodruffi</i> by morphological, biochemical, and molecular mechanisms.
49	PO-49	Saraswati Gahire Nepal Academy of Science and Technology	Genotypic analysis of biofilm formation in <i>Escherichia coli</i> from drinking water of Kathmandu
50	PO-50	Shahida Begum Nargis Sylhet Agricultural University, Bangladesh	Prevalence of important duck diseases (bacterial, viral and others) and development of an area based surveillance system for epidemiological scenario of Sylhet Region
51	PO-51	Shila Shrestha Tribhuvan University, Nepal	Antibiotic resistance and biofilm formation of <i>Staphylococcus aureus</i> isolated from clinical specimen of children attending tertiary care hospital in Nepal
52	PO-52	Shrijana Bista Tribhuvan University, Nepal	Emergence of <i>ISAbal</i> -linked oxacillinase genes among carbapenem resistant <i>Acinetobacter baumannii</i> isolates in a tertiary cardiac center, Nepal
53	PO-53	Shruthi P K Cochin University of Science and Technology, India	Influence of seasonal variation in abundance and distribution of virus and the host bacteria in Eastern Arabian Sea
54	PO-54	Smita Shrestha Tribhuvan University, Nepal	Development of a viral like particle-based vaccine approach against Dengue virus Type 1

55	PO-55	Sohel Rana Sylhet Agricultural University, Bangladesh	High prevalence and antimicrobial resistance patterns of common foodborne bacteria in raw beef and RTE samples from Gazipur City Corporation in Bangladesh
56	PO-56	Sonal Gupta University of Delhi, India	Survivors of the scorch: Exploring the world of thermophiles and their extreme environments
57	PO-57	Dr. Sooria PM Cochin University of Science and Technology, India	An improved method for the isolation, and mass culture of unicellular cyanobacteria (<i>Synechococcus</i> sp.) from south-west coast of India
58	PO-58	Srashta Regmi Padma Kanya M. Campus, Nepal	Antibacterial and enzymatic activity of <i>Bacillus</i> species isolated from the rhizospheric area of <i>Phragmites australis</i>
59	PO-59	Srishti Chaudhary Indian Institute of Science Education and Research Mohali, Punjab, India	A novel nitrate-reducing <i>Halomonas</i> sp. possessing extracellular electron transfer capability from a haloalkaline environment
60	PO-60	Sujata Chauhan Central Campus of Technology	Antibiogram and MDR of different bacterial isolates from pus samples among patients visiting a tertiary care hospital in Jhapa, Nepal
61	PO-61	Suman Rai Amrit Campus, Nepal	Antimicrobial activity of lichens and effect of silver nanoparticles extracted from lichen against bacterial isolates
62	PO-62	Suprina Sharma Tribhuvan University, Nepal	<i>Bacillus</i> species inhibiting the growth of aflatoxigenic <i>Aspergillus flavus</i>
63	PO-63	Swati Maurya University of Delhi, India	Deciphering the eukaryotic microbial diversity through metagenomic approach
64	PO-64	Twinkle Yadav University of Allahabad, India	Insights into the pathogenicity potential and phylogenomic determination among the spp. of <i>Campylobacter</i> genus
65	PO-65	Umesh Raj Thapa Tribhuvan University, Nepal	Antibiotic resistant phylo-groups of <i>Escherichia coli</i> in urban surface water
67	PO-67	Usha Lamsal Tribhuvan University, Nepal	Screening, and optimization of cellulase-producing bacteria isolated from different environmental samples using lignocellulosic biomass and their utilization in bioethanol production
68	PO-68	Vatsal Bhargava University of Delhi, India	Genome-based reclassification: With a special focus on finding heterotypic synonyms
69	PO-69	Dr. Seema Makhija University of Delhi, India	Colpoda. n. sp. : A cosmopolitan eukaryotic microbe isolated from sewage treatment plant of Jasola, Delhi, India: Journey from classical taxonomy to macrogenome analysis
70	PO-70	Sajid Ali Abdul Wali Khan University Mardan, Pakistan	Bacteriophage isolated from sewage water offer a potential alternative treating multi-drug resistance Colibacillosis in Mardan, Pakistan