SCHEDULE VENUE: AUDITORIUM

Subject: Biological Sciences

Technical Session I Day 1

Date: 19 March 2024 Time: 11:30 to 1:30 PM

Chairperson: Dr. Riyaz Ahmad Mir Moderator: Dr. Muneesa Bashir Rapporteur: Dr. Rehana Maqbool

S. NO.	Title of paper with Author's Name	Time Slot	Mode of Presentation
1	Keynote Address	11:30 – 11:50 AM	Offline
	Dr. Riyaz Ahmad Mir, Ph.D. Associate Professor, Department of Biochemistry All India Institute of Medical Sciences, Ansari Nagar New Delhi		
2	IMPACT OF MIGRATORY AVIFAUNA ON THE NUTRIENT LOAD AND PRODUCTIVITY IN HOKERSAR; A WETLAND IN KASHMIR, HIMALAYA Suzana Bashir ¹ , Azra N Kamili ² , Manzoor A Shah ³ ¹ Deptt of Botany, GDC(Boys) Sopore ² Deptt. of Botany, Central University of Kashmir ³ Deptt. of Botany, University of Kashmir	11:50 – 12:00 PM	Offline
3	ASSESSING REGIONAL VARIATIONS IN CLIMATE ADAPTATION AMONG DISTRICTS IN J&K AND LADAKH Irtiqa Malik ¹ Umer Mohammad Mir ² Abid Sultan ¹ ¹ School of Agricultural Economics and HBM, SKUAST-K ² Department of Management Studies, IUST	12:00 – 12:10 PM	Offline

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4	KNOWLEDGE AND AWARENESS TOWARDS OCCUPATIONAL HEALTH PROBLEMS DUE TO PESTICIDES; A CROSS-SECTIONAL STUDY (BARAMULLA, JAMMU & KASHMIR)	12:10 – 12:20 PM	Offline
	Jahan Ara ¹ , Kounsar Jan ² , Heena Qadir ³ , Khursheed Ahmad Wani ²		
	¹ Deptt of Environmental Science, IGNOU ² Govt Degree College ThindimKreeri, ³ Department of Sociology, Govt Degree College Awantipora,		
5	ACCELERATED EUTROPHICATION IN KASHMIR HIMALAYAN LAKES MODULATES FISH AND AQUATIC HEALTH - A QUANTITATIVE ASSESSMENT BY USING INTEGRATIVE MULTIVARIATE MODELLING APPROACH	12:20 – 12:30 PM	Offline
	Ummer Rashid Zargar ¹ , Sabzar Ahmad Dar ² , Shabir Ahmad Wani ²		
	¹ Deptt. of Zoology, GDC Dooru ² Deptt. of Zoology, GDC Utterssoo		
6	IL-10, IL-6,VEGF and IL-8 as independent prognosticators and predictors in Covid-19	12:30 – 12:40 PM	Offline
	Iqra Farooq ¹ , Rafiqa Eachkoti ¹ , Inaamul Haq ² , Saleem Hussain ⁴ , Masood Tanvir ³ , Sanah Farooq ¹ , Sadaf Saleem 1, Sabhiya Majid ¹		
	¹ Department of Biochemistry, Government Medical College Srinagar, J&K India		
	² Department of Social and Preventive Medicine, Government Medical College,		
	J&K India		
	³ Department of Medicine, Government Medical College, Srinagar, J&K India		
	⁴ Department of Clinical Hematology, Sher-e-Kashmir Institute of Medical Sciences Srinagar, J&K India		

7	RESEARCH ETHICS AND INTELLECTUAL PROPERTY RIGHTS	12:40 – 12:50 PM	Offline
	Aaniqa qayoom		
	Department of Botany, University of Kashmir		
8	Unveiling ameliorative effect of Tremella fuciformis on antioxidating activity of liver in streptozotocin (STZ)-induced diabetic mice.	12:50 – 01:00PM	Offline
	Zahid Wani ^{1,2} , Asvene Sharma ^{1,} and Yaqoob Lone ^{1,3} . ¹ Department of Zoology, Shri Venkateshwara University Gajraula Amroha UP, ² Department of Zoology, GDC Baramulla. ³ Department of Zoology, GDC for Women, Cluster University, Srinagar.		
9	Biodiversity of the Himalayan region	01:00 - 01:15 PM	Online
	Suhaib Firdous Yatoo Student at Imperial College London, United Kingdom Email: suhaibmyco@gmail.com		
10	Genetic and structural features of neutralizing antibodies to SARS-CoV-2 variants	01:15 - 01:30 PM	Online
	Sanjeev Kumar ^{1,3,5†} , Anamika Patel ^{2†} , Lilin Lai ³ , Chennareddy Chakravarthy ^{4,5} , Rajesh Valanparambil ^{4,5} , ElluriSeetharami Reddy ^{1,6} , KamalvishnuGottimukkala ¹ , Meredith E. Davis-Gardner ³ , Venkata Viswanadh Edara ³ , Susanne Linderman ^{4,5} , Kaustuv Nayak ¹ , Kritika Dixit ¹ , Pragati Sharma ¹ , Prashant Bajpai ¹ , Vanshika Singh ¹ , Filipp Frank ² , NarayanaiahCheedarla ⁷ , Hans P. Verkerke ^{7,8} , Andrew S. Neish ⁷ , John D. Roback ⁷ , Grace Mantus ^{3,5} , Pawan Kumar Goel ⁹ , Manju Rahi ¹⁰ , Carl W. Davis ^{4,5} , Jens Wrammert ^{3,5} , Mehul S. Suthar ³ , Rafi Ahmed ^{4,5} , Eric Ortlund ^{2,*} , Amit Sharma ^{11,12,*} Kaja Murali-Krishna ^{1,3,5,*} Anmol Chandele ^{1,*}		
	¹ ICGEB-Emory Vaccine Center, International Center for Genetic Engineering and Biotechnology, New Delhi, 110067, India		

² Department of Biochemistry, Emory University School of Medicine, Atlanta, GA	
30322, USA.	
³ Department of Pediatrics, Emory University School of Medicine, Emory University,	
Atlanta, GA 30322, USA	
⁴ Department of Microbiology and Immunology, Emory University School of	
Medicine, Emory University, Atlanta, GA 30322, USA	
⁵ Emory Vaccine Center, Emory University, Atlanta, GA 30322, USA	
⁶ Kusuma School of Biological Sciences, Indian Institute of echnology, New Delhi,	
110016, India	
⁷ Department of Pathology and Laboratory Medicine, Emory University School of	
Medicine, Atlanta, GA 30322, USA	
⁸ Department of Pathology, Brigham and Women's Hospital, Boston, MA, USA	
⁹ Shaheed Hasan Khan Mewat Government Medical College, Haryana, India	
¹⁰ Division of Epidemiology and Communicable Diseases, Indian Council of Medical	
Research, New Delhi, 110029, India	
¹¹ ICMR-National Institute of Malaria Research, Dwarka, New Delhi, 110077, India	
¹² Structural Parasitology Group, International Center for Genetic Engineering and	
Biotechnology, New Delhi, 110067, India	

Technical Session IIDAY 1

Date: 19 March 2024 Time: 02:15 to 04:30 PM

Chairperson: Prof. Mushtaq Ahmad Moderator: Dr. Hilal Ahmad Wani Rapporteur: Dr Shabir Ahmad Wani

SNO	Title of paper with Author Name		
1	Keynote Address	02:15 – 02:30 PM	Online
	Khalid Rehman Hakeem		

Department of Biological Sciences, Faculty of Science, King Abdulaziz University, 21589, Jeddah, Saudi Arabia		
UNLOCKING NUTRITIONAL POTENTIAL: ENZYMATIC DIGESTION OFBUCKWHEAT FLOUR FOR BIOACTIVE PEPTIDE EXTRACTION	02:30 – 02:40 PM	Offline
Madhiya Manzoor ^{1*} , Aneesa Batool ² , Ammarah Hami ¹ , Sajad Majeed Zargar ^{1*} ¹ Proteomics Laboratory, Division of Plant Biotechnology, Sher-E-Kashmir University of Agricultural Sciences and Technology of Kashmir, Shalimar, Srinagar, Jammu and Kashmir. ² Department of Chemistry, Bhagwant University of Ajmer, Rajasthan, India		
Evaluation of endophytic fungi for biological control of Fusarium wilt causing	02:40 - 02:50 PM	Offline
fungus – Fusarium oxysporum		
² Centre of Research for Development, University of Kashmir, Srinagar-190006, India		
CARBON SEQUESTRATION ASSESSMENT OF GRASSLAND VEGETATION IN DOODHPATHRI, KASHMIR: A FOCUS ON BIOCHEMICAL PARAMETERS	02:50 – 03:00 PM	Offline
Department of Environmental Science/Cord, University of Kasimin		
Biomedical waste management in select Healthcare facilities of South Kashmir,	03:10 - 03:20 PM	Offline
India.		
Pagina Nigam ¹ Shahaar A. Wani ²		
(IGNOU)		
UNRAVELLING THE MYSTERIES OF RHIZOSPHERIC MYCOBIOME ASSOCIATED	03:20 - 03:30 PM	Offline
WITH DACTYLORHIZA HATAGIREA (D. DON) SOO IN KASHMIR HIMALAYA:	00120 0000 1111	0 111111
SUSTAINABLE GROWTH		
Bilal Ahmad Dar, Rukhsana Qadir, Abdul Hamid Wani, Mohd Yaqub Bhat		
	21589, Jeddah, Saudi Arabia UNLOCKING NUTRITIONAL POTENTIAL: ENZYMATIC DIGESTION OFBUCKWHEAT FLOUR FOR BIOACTIVE PEPTIDE EXTRACTION Madhiya Manzoor ^{1*} , Aneesa Batool ² , Ammarah Hami ¹ . Sajad Majeed Zargar ^{1*} ¹ Proteomics Laboratory, Division of Plant Biotechnology, Sher-E-Kashmir University of Agricultural Sciences and Technology of Kashmir, Shalimar, Srinagar, Jammu and Kashmir. ² Department of Chemistry, Bhagwant University of Ajmer, Rajasthan, India Evaluation of endophytic fungi for biological control of Fusarium wilt causing fungus – Fusarium oxysporum Misbah Majid ¹ , Abdul Hamid Wani ¹ , Bashir Ahmad Ganai ² ¹ Mycology, Plant Pathology and Microbiology Laboratory, Department of Botany, University of Kashmir ² Centre of Research for Development, University of Kashmir, Srinagar-190006, India CARBON SEQUESTRATION ASSESSMENT OF GRASSLAND VEGETATION IN DOODHPATHRI, KASHMIR: A FOCUS ON BIOCHEMICAL PARAMETERS SUMMERA SHAFI, AZRA N. KAMILI Department of Environmental Science/Cord, University of Kashmir Biomedical waste management in select Healthcare facilities of South Kashmir, India. Raziya Nizam ¹ , Shabeer A. Wani ² ¹ Post-Graduate Department of Environmental Sciences, Indra Gandhi National Open University (IGNOU) ² Zoological Research Laboratory, Department of Zoology, Government College for Women, Cluster University of Kashmir, Srinagar UNRAVELLING THE MYSTERIES OF RHIZOSPHERIC MYCOBIOME ASSOCIATED WITH DACTYLORHIZA HATAGIREA (D. DON) SOO IN KASHMIR HIMALAYA: DIVERSITY, DISTRIBUTION, AND CONSERVATION IMPLICATIONS FOR SUSTAINABLE GROWTH	21589, Jeddah, Saudi Arabia UNLOCKING NUTRITIONAL POTENTIAL: ENZYMATIC DIGESTION OFBUCKWHEAT FLOUR FOR BIOACTIVE PEPTIDE EXTRACTION Madhiya Manzoor ^{1*} , Aneesa Batool ² , Ammarah Hami ¹ , Sajad Majeed Zargar ^{1*} ¹ Proteomics Laboratory, Division of Plant Biotechnology, Sher-E-Kashmir University of Agricultural Sciences and Technology of Kashmir, Shalimar, Srinagar, Jammu and Kashmir. ² Department of Chemistry, Bhagwant University of Ajmer, Rajasthan, India Evaluation of endophytic fungi for biological control of Fusarium wilt causing fungus — Fusarium oxysporum Misbah Majid ¹ , Abdul Hamid Wani ¹ , Bashir Ahmad Ganai ² ¹ Mycology, Plant Pathology and Microbiology Laboratory, Department of Botany, University of Kashmir ² Centre of Research for Development, University of Kashmir, Srinagar-190006, India CARBON SEQUESTRATION ASSESSMENT OF GRASSLAND VEGETATION IN DOODHPATHRI, KASHMIR: A FOCUS ON BIOCHEMICAL PARAMETERS SUMMERA SHAFI, AZRA N. KAMILI Department of Environmental Science/Cord, University of Kashmir Biomedical waste management in select Healthcare facilities of South Kashmir, India. Raziya Nizam ¹ , Shabeer A. Wani ² ¹ Post-Graduate Department of Environmental Sciences, Indra Gandhi National Open University (IGNOU) ² Zoological Research Laboratory, Department of Zoology, Government College for Women, Cluster University of Kashmir, Srinagar UNRAVELLING THE MYSTERIES OF RHIZOSPHERIC MYCOBIOME ASSOCIATED WITH DACTYLORHIZA HATAGIREA (D. DON) SOO IN KASHMIR HIMALAYA: DIVERSITY, DISTRIBUTION, AND CONSERVATION IMPLICATIONS FOR

	Section of Plant Pathology, Mycology and Microbiology, Department of Botany, University of Kashmir, Srinagar—190006, J&K, India		
7	POPULATION DYNAMICS OF GENUS KERATELLA IN DAL LAKE, KASHMIR Mohd Shafi Bhat Department Of Zoology, Govt. College for Women, Nawakadal	03:30 – 03:40 PM	Offline
8	BIOCONTROL USING CRUDE EXTRACTS OF ENDOPHYTIC FUNGI TRICHODERMA ASPERELLUM AGAINST ROT CAUSING PATHOGEN GEOTRICHUM CANDIDUM Humeera Yousuf, Wasim Sajad Malik, Mohd Yaqub Bhat, Abdul Hamid Wani. Section Of Mycology, Plant Pathology and Microbiology Lab. Department of Botany, University of Kashmir-190006	03:40 – 03:50 PM	Offline
9	Unravelling Therapeutic Metabolites from Prominent Medicinal Plants of Jammu and Kashmir Roohi Mushtaq ¹ , Sadiq Majeed ¹ , Madhiya Manzoor ² , Malik Aabid Hussain ¹ Department of Biotechnology, Sri Pratap college (School of Sciences) Cluster University Srinagar, Jammu & Kashmir, India Proteomics Laboratory, Division of Plant Biotechnology, Sher-e-Kashmir University of Agricultural Sciences and Technology of Kashmir, Shalimar, Srinagar, Jammu & Kashmir, India	03:50 – 04:00 PM	Offline
10	CLASSIFICATION AND AUGMENTED SIMULATION OF DRUG DESIGN AND PROTEIN-RECEPTORS USING DFT, GOLD AND NMR SPECTROSCOPY. KAYLA SUAREZ, Student, Biological and Biosystems Engineering, Massachusetts Institute Technology Cambridge, Ma 02139, USA	04:00 – 04:10 PM	Online
11	Bacillus safensis strain YA8 linked with Opuntia ficus-indica leaves: Molecular identification, and impact on Cucumis sativus growth under salt stress: Entophytic bacteria improves Plant growth in salt stress.	04:10 – 04:20 PM	Online
	Abrar ullahl, Khalid Rahman Hakeem, Yasir Anwar		

	King Abdulaziz University.		
12	Tripartite infusions of organic amendments alleviate copper-induced stress in Withaniacoagulans (Dunal)	04:00 – 04:30 PM	Online
	Muhammad Fawad ¹ , Khalid Rehman Hakeem ¹ , Hassan S Al-Zahrani ¹ , Hesham F. Alharby ¹ , Md. Arfan Ali ^{2,3}		
	¹ Department of Biological Sciences, Faculty of Science, King Abdulaziz University, 21589, Jeddah, Saudi Arabia		
	² Department of Arid Land Agriculture, Faculty of Meteorology, King Abdulaziz University, 21589, Jeddah, Saudi Arabia		
	³ Department of Horticulture, Faculty of Agriculture, Sher-e-Bangla Agricultural University, Dhaka, Bangladesh		

Technical Session I <u>DAY 2</u>

Date: 20 March 2024 Time: 10:30 to 02:00 PM

Chairperson: Dr. Nisar Ul Ashraf

Moderator: Dr. Peerzada Arshid Shabir

Rapporteur: Dr. Saduf Nisar

SNO	Title of paper with Author Name		
1	Keynote Address	10:30 to 10:50 AM	Offline
	Dr. Nisar Ul Ashraf		
	Head Department of Biochemistry		

	GCW Nawakadal Srinagar		
2	MEDICINAL PLANTS USED TO TREAT VARIOUS DISEASES IN PHALGAM AREA OF DISTRICT ANANTNAG ASIYA NISAR ¹ , AB. QAYOOM MIR ² , J. ANURADHA ¹ AND R. SANJEEVI ¹ Department of Environmental Science, Nims Institute of Allied Medical Science and Technology, Nims University, Rajasthan, Jaipur Department of Environmental Science, Govt. Degree College, Hajin Jammu & Kashmir	10:50 – 11:00 AM	Offline
3	DIVERSITY OF BOLETACEAE IN KASHMIR HIMALAYA WITH SOME HITHERTO UNREPORTED SPECIES AND GENERIC RECORDS AADIL RASHID SHEIKH, ASIF HAMID DAR, ABDUL HAMID WAN, WASIM SAJAD MALIK Section of Mycology and Plant Pathology, Department of Botany, University of Kashmir, Srinagar (190006), India	11:00 – 11:10 AM	Offline
4	ECOFRIENDLY MANAGEMENT OF TULIP BULB ROT CAUSED BY TALAROMYCES PURPUREOGENUS IN KASHMIR VALLEY Tabia Mushtaq, Abdul Hamid Wani, Aadil Rashid Sheikh, Wasim Sajad Malik, Mohd Yaqub Bhat Section of Plant Pathology, Mycology and Microbiology Lab, Department of Botany, University of Kashmir-190006.	11:10 – 11:20 AM	Offline
5	Nutritional profiles and ethnomycological applications of some wild mushrooms in Southern Kashmir Himalayas, India Asif Hamid Dar, Abdul Hamid Wani, Aadil Rashid Sheikh, Wasim Sajad Malik Plant Pathology, Mycology and Microbiology Laboratory, Department of Botany, University of Kashmir-India, 190006	11:20 – 11:30 AM	Offline
6	Investigating the enigmatic rhizosphere: Uncovering the complex web of multitrophic fungal connections and their impact on the sustainable growth of Cucumis sativus L.	11:30 – 11:40 AM	Offline

	Rukhsana Qadir, Bilal Ahmad Dar, Abdul Hamid Wani, Mohd Yaqub Bhat, Humeera Yousuf		
	Section of Plant Pathology, Mycology and Microbiology, Department of Botany, University of Kashmir, Srinagar— 190006, J&K, India		
7	Diversity of Ganoderma Karst. from the Chenab Valley of North-Western Himalayas	11:40 – 11:50 AM	Offline
	Wasim Sajad Malik, Abdul Hamid Wani, Aadil Rashid Sheikh, Asif Hamid Dar and Mohd Yaqub Bhat		
	Section of Mycology and Plant Pathology, Department of Botany, University of Kashmir, Srinagar (190006), India.		
8	Evaluation of various environmental and biological factors responsible for widespread occurrence of thyroid disorders in Jammu Kashmir	11:50 – 12:00 PM	Offline
	Dr. Ghulam Hassan Dar		
	Assistant Professor, Department of Biochemistry, S.P.College, Cluster University Srinagar		
9	Conserving Medicinal Flora: Advancements in Endangered Medicinal Plant Preservation via Tissue Culture Techniques.	12:00 – 12:10 PM	Offline
	Bazillah Farooq and Dr. Seema Singh Department of Botany, University of Kashmir		
10	Studies on anticoccidial efficacy of lavender essential oil	12:10 – 12:20 AM	Offline
	Shagufta Iqbal ¹ , Syed Tanveer ¹ , Idrees Mehraj Allaie ² ¹ Department of Zoology, University of Kashmir, Srinagar-190006 ² Division of Veterinary Parasitology, F.V.Sc. and A. H., SKUAST-K, Shuhama		

11	Epidemiology of Nematode Infection in Goat and its Impact on Hematology	12:20 – 12:30 PM	Offline
	Masarat Nizam ¹ and Hidayatullah Tak ²		
	 Department of Zoology, Govt. Degree College Dooru, Anantnag, Kashmir-192211 Department of Zoology, University of Kashmir, Srinagar–190006 		
12	Laboratory evaluation of indigenous plant extracts against the cabbage aphid, Brevicorynebrassicae	12:30 – 12:40 PM	Offline
	Syed Nighat Bukhari and Dr. Tariq Ahmad Department of zoology, Kashmir university		
13	Himalayan Plant Diversity and Their Conservation by	12:40 – 12:50 PM	Offline
	Controlling the Spread of Invasive Species		
	Aaniqa Qayoom		
	Department of Botany, University of Kashmir		
14	Laboratory evaluation of indigenous plant extracts against the cabbage aphid,	12:50 – 01:00 PM	Offline
	Brevicorynebrassicae in kale production in Kashmir valley		
	Syed Nighat Bukhari and Tariq Ahmad		
	Entomology laboratory, Department of Zoology, University of Kashmir, Srinagar, J&K		
15	EVALUATION OF ANTIMICROBIAL STUDY IN IN VITRO APPLICATION OF CRUDE EXTRACTS OF DESMODIUM TRIFLORUM (LINN.) DC.	01:00 – 01:10 PM	Online
	M.A. Dar and Varsha D. Hutke		
	Deptt. of Botany, Govt. Vidarbha Institute of Science and Humanities, Amravati, Maharashtra, India.		
16	IMPACT OF TOURISM ON LICHEN DIVERSITY	01:10 – 01:20 PM	Online
	PRIYA DARSHNI		

	Research Scholar, Amity Institute of Environmental Sciences, Amity University Noida, Uttar Pradesh		
17	MEDICINAL PLANTS USED TO TREAT VARIOUS DISEASES IN PHALGAM AREA OF DISTRICT ANANTNAG ASIYA NISAR ¹ , AB. QAYOOM MIR ² , R. SANJEEVI ¹ Department of Environmental Science, Nims University Jaipur Department of Environmental Science, Govt. Degree College, Hajin Jammu & Kashmir	01:20 – 01:30 PM	Online
18	Distributional patterns of hoverflies along an elevational gradient in Northwestern Himalayas, India Amir Maqbool ¹ , A Najitha Banu ² & Aijaz Ahmad Wachkoo ³ Department of Zoology, School of Bioengineering & Biosciences, Lovely Professional University, Jalander, Punjab-144411, India. Department of Applied, Sciences, Desh Bhagat University Fatehgarh Sahib, Punjab-147301, India. Department of Zoology, Government Degree College, Kulgam, Jammu and Kashmir-192231, India.	01:30 – 01:40 PM	Offline
19	PARASITOID-HOST INTERACTIONS BETWEEN A DARWIN WASP AND ITS WOOD BORING BEETLE LARVAL HOST. Iqra Maqbool ¹ , Harvinder Kaur Sidhu ² , Amir Maqbool ³ & Aijaz Ahmad Wachkoo ⁴ ¹ Department of Applied, Sciences, Desh Bhagat UniversitFatehgarh Sahib, Punjab-147301, India; ² Faculty of Agriculture and Life Sciences, Desh Bhagat University Fatehgarh Sahib, Punjab- 147301, India; ³ Department of Zoology, School of Bioengineering & Desciences, Lovely professional University, Punjab - 144411, India; ⁴ Department of Zoology, Imtiyaz Memorial Government Degree College, Shopian, Jammu and Kashmir-192303, India;	01:40 – 01:50 PM	Online

20 GAS HYDRATE LEADING TO GLOBAL WARMING AND CLIMATE CHANGE	01:50 - 02:00 PM	Online
Ankita, Anuradha Jayaraman, Prashant kumar Sathvara and Sanjeevi Ramakrishnan		
Department of Environmental Science, NIMS Institute of Allied Medical Science and Technology, NIMS University Jaipur - 303121		