

Scientific Program (TENTATIVE)
7th International Conference of Pakistan Phytopathological Society

Time	Day 1: Sunday November 21, 2021		
	Venue: Department of Plant Pathology		
03:00-6:00 PM	Arrival of Guests & Registration Poster Set Up and Loading of Oral Presentation		
9:00-10:30	Day 2: Monday November 22, 2021		
	Official Welcome Ceremony Venue: Center for Advanced Studies (CAS) Auditorium		
	Welcome Address & Keynote Lecture Prof. Dr. Tariq Mukhtar President, Pakistan Phytopathological Society		
10:30-11:00 PM	Tea/Coffee Break		
	CAS-Lecture Room No 1	CAS Auditorium	CAS Conference Room
	Molecular Plant Pathology Moderators: Dr. Muhammad Fahim Dr. Luqman Amrao	Biological control of plant pathogens Moderators: Prof. Dr. Saleem Haider Dr. Imran Ul Haq	Host-pathogen interactions Moderators: Dr. Manzoor H. Soomro Prof. Dr. Tariq Mukhtar
11:00:11:20	Keynote Translation Initiation Factor eIF4E directly influences the virulence of rice blast fungus	Keynote Biological nanoparticles based on natural molecules and metabolites: significant growth promoter and defensive agents of crops	Keynote Actinomycetes as biological control agents of plant pathogens
	Ammarah Shabbir Fujian Agriculture and Forestry University, Fujian, Fuzhou, Cangshan District, China.	Abhishek Mathur Prathista Industries Limited, Telangana State, India	İpek Kurtböke Genecology Research Centre and the School of Science, Technology and Engineering, University of the Sunshine Coast, Maroochydore BC, Australia
11:20-11:40	Biology and molecular pathology of Plasmodiophorid- transmitted rod-shaped viruses in plants- an emerging problems in Pakistan	Compatibility of myco-fungicide isolate (<i>Trichoderma harzianum</i> Rifai) with fungicides and their in-vitro synergism assessment	Ameliorative effect of <i>Calotropis procera</i> spiked soil on incidence and severity of Fusarium wilt disease in <i>Pisum sativum</i>
	Prof. Dr. Muhammad Arif, Department of Plant Pathology, University of Agriculture Peshawar	Dr. Aziz Ahmad Ujjan, Institute of Plant Sciences, University of Sindh, Allama I.I.Kazi Campus, Jamshoro, Sindh	Dr. Muhammad Akbar Department of Botany, University of Gujrat, Gujrat

11:40-12:00	CRISPR-CAS9 based genome editing approach for enhancing disease resistance in plants	Genome-wide association identifies genomic regions in the biocontrol fungus <i>Clonostachys rosea</i> that influence antagonism and biocontrol of plant-parasitic nematodes	Evaluation of different chemical elicitors against fusarium wilt of chilies caused by <i>Fusarium oxysporum</i>
	Dr. Sohaib Sarfraz University of Agriculture Faisalabad, Okara Campus, Depalpur, Okara	Dr. Mudassir Iqbal Department of Plant Pathology University of Agriculture Faisalabad	Rashad Iqbal Institute of Horticultural Sciences, University of Agriculture Faisalabad, Pakistan
12:00-12:20	PeBb1, a novel protein elicitor derived from <i>Beauveria bassiana</i> Arsef 2860 strain, induces systemic resistance in <i>Brassica rapa</i> ssp. <i>Pekinensis</i> against <i>Myzus persicae</i> (Homoptera: Aphididae)	Exploring biocontrol potential and mechanism of cultural filtrates from <i>Verticillium leptobactrum</i> against Root Knot nematode, <i>Meloidogyne incognita</i> , in tomato	Investigation of <i>Pseudomonas syringae</i> pathovars associated with bacterial canker on peach in Azad Jammu and Kashmir
	Dr. Talha Nazir Department of Plant Protection, Ghazi University, Dera Ghazi Khan	Raja Asad Ali Khan Institute of Vegetables and Flowers, Graduate School of Chinese Academy of Agricultural Sciences, Beijing, China	Dr. Raees Ahmad Department of Plant Pathology, University of Poonch Rawlakot, Azad Jammu and Kashmir
12:20-12:40	Activation of defense system of citrus against brown leaf spot through plant activators	Identification of pathogens associated with <i>Convolvulus arvensis</i> weed in wheat crop and control through microbial metabolites	Seed to plant to seed transmission of wheat blast pathogen <i>Magnaporthe oryzae</i> Triticum
	By: Muhammad Shahzad	Muhammad Nabeel Afzal Department of Plant Pathology, University of Agriculture, Faisalabad	Md. M Bahadur Meah IPM Lab, Department of Plant Pathology, Bangladesh Agricultural University, Mymensingh 2202, Bangladesh
12:40-13:00	Genetic characterization of distinct recombinant Begomovirus infecting <i>Euphorbia pulcherrima</i> in Pakistan	Fungicidal activity of shoot extract of <i>Sisymbrium irio</i> against <i>Fusarium oxysporum</i> f. sp. <i>Cepae</i>	Bioherbicidal activity of <i>Pseudomonas</i> spp. To suppress the allelopathic stress of <i>Trianthema portulacastrum</i> leaf on <i>Vigna mungo</i>
	Dr. Hasan Riaz Department of Plant Pathology, Muhammad Nawaz Sharif University of Agriculture, Multan	Roma Akhtar Department of Plant Pathology, Faculty of Agricultural Sciences, University of the Punjab, Quaid-i-Azam Campus, Lahore	Sumaira Abdul Raouf School of Botany, Minhaj University, Lahore
13:00-14:00	Prayer & Lunch Break		
14:00-15:00	Poster Viewing		

	Technical Sessions		
	CAS-Lecture Room No 1	CAS Auditorium	CAS Conference Room
	Molecular Plant Pathology Moderators: Prof. Dr. Muhammad Arif Chohan Dr. Safdar Ali	Biological control of plant pathogens Moderators: Prof. Dr. Rashida Atiq Dr. Naveed Aslam	Host-pathogen interactions Moderators: Dr. Ahmad Saleem Akhtar Dr. Azhar Iqbal
15:00-15:20	Incidence and molecular identification of root knot nematodes infecting tomato in Gilgit Baltistan Dr. Ishrat Naz Institute of Vegetables and Flowers, Graduate School of Chinese Academy of Agricultural Sciences Beijing, China	Biological nanoparticles based on natural molecules and metabolites: significant growth promoter and defensive agents of crops Abhishek Mathur Prathista Industries Limited, Telangana State, India	Seed Regulatory / Bio-security System & Seed Trade in Pakistan Dr. Abdul Rauf Bhutta (R) Federal Seed Certification and Registration Department, Islamabad
15:20-15:40	Prevalence, incidence and molecular characterization of Panama wilt of banana at Uthal, Balochistan Dr. Muhammad Fahim Abbas Department of Plant Pathology, Faculty of Agriculture, Lasbela University of Water, Agriculture and Marine Sciences, Balochistan	Evaluation of biological control agents for management of <i>Puccinia striiformis</i> var. <i>Tritici</i> Dr. Muhammad Arslan Khan Department of Plant Pathology, Muhammad Nawaz Sharif University of Agriculture, Multan	Sanitary and phytosanitary measures (SPS) and Pest risk analysis for mangoes through hot water treatment for export consignments in Pakistan Shahid Hussain Department of Plant Protection, Ministry of National food Security and Research, Islamabad
15:41-16:00	First report of Cotton leaf curl Multan virus infecting Hollyhock in Pakistan Hajra Azeem Department of Plant Pathology, Bahauddin Zakariya University, Multan	Synergistic effect of chitosan with selected plant essential oil to inhibit the <i>Aspergillus niger</i> development in apricot (<i>Prunus armeniaca</i> L.) Dr. Gulshan Irshad Department of Plant Pathology, PMAS Arid Agriculture University, Rawalpindi	Comparative efficacy of fungicides and biocontrol agents against <i>Rhizoctonia solani</i> , the causal agent of root rot disease in common beans Dr. Abdul Qayoom Department of Agriculture and Agribusiness Management, University of Karachi, Pakistan.

16:00-16:20	Role of quorum quenching bacterial consortia in tackling Pectobacterium; a quorum sensing pathogen	Antifungal efficacy of leaf extract of <i>Chenopodium murale</i> against <i>Fusarium oxysporum</i> f. Sp. Lycopersici	Standardization of inoculation methods for induction of <i>Sporisorium scitamineum</i> infection in sugarcane and efficacy of different fungicides for its control
	Dr. Akhtar Hameed Department of Plant Pathology, Muhammad Nawaz Sharif University of Agriculture, Multan	Syeda Fakehha Naqvi Department of Plant Pathology, Faculty of Agricultural Sciences, University of the Punjab, Quaid-i-Azam Campus, Lahore	Muhammad Aslam Rajput National Sugar and Tropical Horticulture Research Institute, PARC, Thatta, Sindh
16:20-16:40	Biological and molecular characterization of Huanglongbing (HLB) in local citrus cultivars of Sargodha, Pakistan	Comparative efficacy of commercial fungicides and <i>Trichoderma harzianum</i> against Fusarium wilt in strawberry	Analysis of biological characteristics and fungicide sensitivity of <i>Paramyothecium breviseta</i> causing coffee leaf spot
	Dr. Usman Ghazanfar Department of Plant Pathology, University college of Agriculture Sargodha	Abdul Hanan Department of Plant Protection, Ghazi University, Dera Ghazi Khan	WU Weihuai Environment and Plant Protection Institute, Chinese Academy of Tropical Agricultural Sciences, Haikou, China
17:00-17:30	After Noon Tea		
19:30-21:30	Conference Dinner and Social Night		

Day 2 Tuesday November 23, 2021

	CAS-Lecture Room No 1	CAS Auditorium	CAS Conference Room
	Molecular Plant Pathology / Misc. Moderators: Prof. Dr. Saleem Haider Dr. Amjad Ali	Plant Disease Management Moderators: Prof. Dr. Sultan Mahmood Khan Dr. Nasir Rajpoot	Insect in relation to Plant Pathogens/ Plant Nematology Moderators: Prof. Dr. Riaz A. Chohan Dr. Muhammad Atiq
09:00-9:15	Molecular characterization of <i>Magnaporthe oryzae</i> : the rice blast fungus in Punjab Pakistan	Effectiveness of neem on soil borne pests/organisms/contaminants (fungi, bacteria, nematodes and weeds) using a non-poisonous, non-pollutant and environment friendly technique in the state of Kuwait	Pasteuria penetrans endospore encumbrance levels and soil texture regime influence the population dynamics of <i>Meloidogyne incognita</i> and development of Pasteuria
	Dr. Hafiz Muhammad Usman Aslam Department of Plant Pathology, Muhammad Nawaz Sharif University of Agriculture, Multan	DR. M. Ashraf Randhawa (R) Department of Plant Pathology, University of Agriculture, Faisalabad	Dr Muhammad Kamran Plant Pathology Research Institute, Ayub Agriculture Research Institute, Faisalabad
09:15-09:30	Molecular Record of Potato Leafroll Virus Naturally Infecting Tomato in Pakistan	Management of early blight of tomato through resistant germplasm and nutrients in relation to environmental factors	Appraisal of Pakistani wheat against Barley Yellow Dwarf Virus and its vector in Peshawar, KPK
	Muhammad Taimoor Shakeel Department of Plant Pathology Islamia University, Bahawalpur	Ayesha Fatima Department of Plant Pathology, University of Agriculture, Faisalabad, Pakistan	Usman Khalique Nuclear Institute for Food and Agriculture Peshawar
09:30:09:45	Functional analysis of autophagy related gene ATG12 in potato dry rot fungus <i>Fusarium oxysporum</i>	Screening of polyembryonic varieties of mango against <i>Ceratocystis manginecans</i> , A case of sudden death of mango	Chemical composition, repellent and insecticidal potential of six plants essential oils against <i>Aedes aegypti</i>
	Dr. Rehman Khalid Department of Plant Pathology, University of Poonch Rawlakot, Azad Jammu and Kashmir	Dr. Atiq Ur Rehman Department of Plant Pathology Bahauddin Zakariya University, Multan	Muhammad Ghazanfar Abbas Department of Entomology, Bahauddin Zakariya University, Multan.
09:45-10:00	Isolation and ITS-rDNA based molecular characterization of plant pathogenic fungal species in postharvest citrus fruits	Guava Fruit canker: An emerging threat to the Guava orchards in Pakistan	Identification of behaviorally repellent and antennal active compounds of different plant essential oils against a dengue vector, <i>Aedes aegypti</i>
	Iram Zaheer, Department of Environmental Sciences, Fatima Jinnah Women University, Rawapindi	Nabeeha Aslam Khan Department of Plant Pathology University of Agriculture Faisalabad	Muhammad Binyameen Department of Entomology, Bahauddin Zakariya University, Multan.

10:00-10:15	Characterization of chemical composition of plant essential oils and evaluation of their potential as oviposition deterrents, pupicidal, and adult repellants against <i>Bactrocera zonata</i>	Adaptability trials of sesame germplasm against <i>Macrophomina phaseolina</i> by using AMMI biplot analysis in Pakistan	Plant parasitic and soil nematodes from Lawat District, Neelum, Azad Jamu Kashmir
	Asma Nawaz Department of Entomology, Faculty of Agricultural Sciences and Technology, Bahauddin Zakariya University, Multan	Dr. Muhammad Rizwan Bahir Oil seed Research Institute, Ayub Agriculture Research Institute, Faisalabad	Junaid Bashir National Nematological Research Centre, University of Karachi, Karachi
10:15-10:30	Early induction of fruiting body in oyster mushroom <i>Pleurotus ostreatus</i> using plant extracts	Identification of anthracnose resistance in lentil	Occurrence and distribution of plant parasitic nematodes in different fruits growing areas of Sindh
	V. Bramiyah Department of Agricultural Biology, Faculty of Agriculture, University of Jaffna, Sri Lanka	Dr. Rubab Altaf Lecturer, Department of Entomology, University of Haripur, Haripur, KPK	Nasir Mahmood National Nematological Research Centre, University of Karachi, Karachi
10:00-10:15	Study on the production of varying percentage of organic acids for preparation of antimicrobial agent/preservatives using Black wheat glucose as the substrate	Citrus Greening: A serious threat to citrus industry	Effectiveness of neem on soil borne pests/organisms/contaminants (fungi, bacteria, nematodes and weeds) using a non-poisonous, non-pollutant and environment friendly technique in the state of Kuwait
	Anusha Manikonda Department of Environmental Science, CMJ University, Shillong, Meghalaya, India	Prof. Dr. Muhammad Asif Institute of Plant Protection, Muhammad Nawaz Sharif University of Agriculture, Multan	DR. M. Ashraf Randhawa (R) Department of Plant Pathology, University of Agriculture, Faisalabad
10:15-10:30			
10:30-11:00	Syngenta Pakistan		
11:00-11:30	Morning Tea /Coffee Break		

	CAS-Lecture Room No 1	CAS Auditorium	CAS Conference Room
	Seed and Post-Harvest Pathology Moderators: Prof. Dr. Abdul Mubeen Lodhi Dr. Abid Riaz	Natural and Chemical Pesticides Moderators: Prof. Dr. Manzoor Ali Abro Dr. Amjad Abbas	Climate Change and Plant Disease Moderators: Prof. Dr. Saleem Shahzad Dr. Usman Ghazanfar
11:30-11:45	Keynote Pre-storage aloe vera gell application reduces disease incidence and decay of sweet cherry fruit	Keynote Natural antifungal compounds from quinoa leaves against <i>Macrophomina phaseolina</i>	Keynote Impacts of climate change on banana farming in Bangladesh: Current status and future prospects.
	Dr. Ahmad Sattar Khan Institute of Horticultural Science, University of Agriculture Faisalabad	Dr. Arshad Javaid Department of Plant Pathology, Faculty of Agricultural Sciences, University of the Punjab, Lahore, Pakistan	Md. Anowar Hossain Plant Molecular Biotechnology Lab, Department of Biochemistry & Molecular Biology, University of Rajshahi
11:45-12:00	Post-harvest management of crown rot of banana caused by <i>Fusarium</i> species through essential oils	Identification of possible antifungal constituents in leaves of <i>Kochia indica</i> for control of <i>Macrophomina phaseolina</i>	Environmental pollution and its smart solution by plantation in changing climate
	Muhammad Waris Baluchistan College of Agriculture, Quetta	Sidra Javed Department of Plant Pathology, Faculty of Agricultural Sciences, University of the Punjab, Lahore, Pakistan	Dr. Muhammad Kabir University of Sargodha, Sub-Campus Bhakkar, Bhakkar-30000, Punjab
12:15-12:30	Combine application of essential oils and gum arabic coating influences postharvest Stem End Rot and quality of Mango fruit	Biological nanoparticles based on natural molecules and metabolites: significant growth promoter and defensive agents of crops	Impact of climate change on potential distribution of bacterial stalk rot of maize disease in Sialkot district, Pakistan
	Dr. Muhammad Waqar Alam Institute of Molecular Biology and Biotechnology, The University of Lahore	Dr. Abhishek Mathur Prathista Industries Limited, Telangana State, India	Dr. Sajjad Haider Department of Botany, G.C. Women University, Sialkot.
12:30-12:45	Seed borne mycobiota associated with <i>Cyamopsis tetragonoloba</i> L. accompanied with its chemical control	<i>In vitro</i> effect of fungicides against fruit rot of grapes caused by <i>Alternaria alternata</i>	The challenge of food security under climate change nexus: Responsibilities of phyto fighters
	Filza Shreen Department of Botany, University of Karachi, Karachi	Ghalib Ayaz Kachelo Department of Plant Pathology, University of Agriculture, Faisalabad Pakistan	Ghayoor Husnain Department of Plant Pathology, College of Agriculture, University of Sargodha, Sargodha

12:45-01:00	Post-harvest management of <i>Botrytis cinerea</i> causing gray mold in pomegranate through essential oils	Critical Issues in Green Biotechnologies and the production of some safe pesticidal agents	Combining ability estimates for cotton leaf curl virus through diallel analysis in changing environment
	Atifa Akhtar Department of Plant Pathology, Balochistan Agriculture College, Quetta	Dr. Eman A. Alam Faculty of Science, Al-Azhar University, Cairo, Egypt	Abdul Wahab Soomro Central Cotton Research Institute Sakrand, Sindh
01:00-01:15	Effect of UV-C and microwave radiation on seed germination and plant growth in corn and pea		Assessment of bacterial leaf blight of rice in agro-climate of Sindh province and characterization of its associated pathogen
	Sumbal Musa Department of Plant Pathology, Balochistan Agriculture College, Quetta		Dr. Javed Asghar Tariq Senior Scientist, Nuclear Institute of Agri. (NIA), Tandojam, Sindh
12:40-13:00	Resistance status of 45 wheat lines/mutants against yellow /stripe rust under field condition		Extreme temperature effect on 19 germplasm of <i>Vigna radiata</i>
	Dr. Muhammad Mohsan National Institute for Biotechnology and Genetic Engineering, Faisalabad		Ansa Javaid School of Botany Minhaj univesty Lahore, Pakistan
13:00-14:00	Lunch and Payer Break		
14:00-14:15	CAS-Lecture Room No 1	CAS Auditorium	CAS Conference Room
	Disease Modelling and Epidemiology Moderators: Dr. Muhammad Usman Ghazanfar Dr. Muhammad Atiq	Natural and Chemical Pesticides Moderators: Prof. Dr. M. Inam Ul Haq Dr. Arshad Javed	Disease Resistance Moderators: Dr. M. Ashraf Randhawa Dr. Nasir Subhani
14:15-14:30	Keynote Designing of a sensor and mobile application for identification of tomato plant physiological state	Keynote Influence of Western corn rootworm seed coating and granular insecticides on soil nematode communities	Keynote Anti-phytopathogenic potential of curcumin-chitosan fused nanoparticles against Phyto-pathogens
14:30-14:45	Dr. Teuma Mbezi Laboratory of Biophysics, Department of Physics, Faculty of Sciences, University of Yaoundé I, P.O. Box 812, Yaoundé, Cameroon.	Dr. Andrea Čerevková Institute of Parasitology SAS, Hlinkova 3, 040 01 Košice, Slovak Republic	Akshma Koul Research Scholar, Himalayan University, Arunachal Pradesh, India; 2 Prathista Industries Limited, Telangana State, India

14:45-15:00	Epidemiological markers against <i>Xanthomonas citri</i> pv. <i>citri</i> : A potential threat to global citrus industry	Comparative efficacy of commercial fungicides and <i>Trichoderma harzianum</i> against Fusarium wilt in strawberry	Induction of resistance in tomato against root-knot nematodes using rhizobacteria
	Dr. Akhtar Hameed Department of Plant Pathology, Muhammad Nawaz Sharif University of Agriculture, Multan	Dr. Abdul Hannan Department of Plant Protection, Ghazi University, Dera Ghazi Khan	Wajahat Azeem Department of Plant Pathology, PMAS Arid Agriculture University, Rawalpindi
15:00-15:15	Analysis of epidemiological factors of Root-Knot Nematode disease associated with tomato crop in Pothwar region, Pakistan	Evaluation of plant extracts used to control the seed born fungal contamination and antifungal potential of tannins extracted from callus cultures of <i>Achyranthes aspera</i> L.	Phytotherapeutic impact of botanicals aqueous extracts on tomato (<i>Lycopersicon esculentum</i> L.) crop infested by root-knot nematodes (<i>Meloidogyne</i> spp.)
	Asma Mehak Department of Botany PMAS Arid Agriculture University, Rawalpindi	Dr. Madeiha Ambreen Department of Botany, G.C. University, Lahore	Dr. Muhammad Tariq Khan Department of Plant Pathology, University of Poonch Rawlakot, Azad Jammu and Kashmir
15:15-15:30	Awareness of maize growers regarding pest management in district Sahiwal	Evaluation of chemicals to control the root / collar rot disease of bell pepper in Gilgit Baltistan	Exogenous application of coumarin and catechol modulating biochemical changes in mung bean to induce resistance against fusarium rot
	Dr. Aqeela Saghir Institute of Agricultural Extension Education and Rural Development, University of Agriculture, Faisalabad	Muhammad Ali Tabassum Department of Agriculture Research Skardu, Gilgit Batistan	Sidra Noor Department of Botany, University of Karachi, Karachi
15:30-15:45	Epidemiological and biochemical factors for the development of bacterial blight of pomegranate		Insilico binding analyses of bacterial TAL effectors to their naturally evolved specific effector binding elements in rice
	Muhammad Rashid Department of Plant Pathology, Faculty of Agricultural Sciences and Technology, Bahauddin Zakariya University Multan		Tariq Mahmood Department of Bioinformatics, Hazara University Mansehra. KPK
15:45-16:00	After noon Tea		
16:00-16:30	Business Session		
16:30-17:00	Closing Ceremony		