

Program – Translating Research into Practice

Conference on ‘Climate Change Threats to Food Security’ 2017

November 22 – 24, 2017 Department of Agronomy, FCPS, The University of Agriculture, Peshawar, Pakistan

Programme

Day 1 (Wednesday, 22 November 2017)			
Main Auditorium Hall			
8:30 am	Registration	Dr. Habib Akbar & Dr. Shazma Anwar	
9:30 am	Guest to be seated		
9:40 am	Recitation from the Holy Quran		
9:45 am	Welcome Note	Prof. Dr. Zahoor Ahmad Swati	
10:00 am	Objectives, Conference detail and of Donners’ thanks	Prof. Dr. Mohammad Akmal	
10:10 am	Climate Change & Pakistan	Prof. Dr. Mohammad Zulfiqar	
10:20 am	Keynote address Divergence of perception on nature between social sciences and biophysical sciences	Syed Mahmood Nasir, IGF	
10:40 am	Keynote address COP 23 Global Climate Agenda	Dr. Arjumand Nizami	
11:00 am	Address by chief guest	Chief Guest	
11:20 am	Group Photo followed by Refreshment		
Concurrent Sessions			
	Climatic Change Center Hall	AUTA Hall	Video Conference Room
	Climatic Change Session Chair: Prof. Dr. Habib Ahmad, VC, Islamia College Uni. Pesh. Rapporteur: Dr. Noreen Azhar	Crop Modelling Session Chair: Prof. Dr. Marc Janssen, University Bonn Germany Rapporteur: Dr. Neelum Ara	Food Security Session Chair: Prof. Dr. Farhatullah The University of Agri. Peshawar Rapporteur: Dr. Rozina Gul
11:45 am	Quantification of climate warming and crop management impacts on cotton phenology Prof. Dr. Shakil Ahmad, Bahauddin Zakariya University, Multan	Projected Wheat production under future climate scenario in arid conditions of Pakistan Prof. Dr. Ashfaq Ahmad Chatta, The University of Agriculture, Faisalabad	Hybrid wheat: Preparation of dealing with new challenges facing food security Prof. Dr. Zhang Sheng-quan, Beijing Engineering Research Center for Hybrid Wheat, China
12:00 noon	Plant breeding in changing climate Dr. Fahim Ullah Khan, The University of Agriculture, Peshawar Pakistan	Modeling the impact of climate change and adaptation strategies for cereal crops in Punjab-Pakistan: Simulation and Field Study	Awareness about food security: An association of food security among internally displaced persons (IDPS) Dr. Bushra Shafi, The University of Agriculture, Peshawar

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		Dr. Wajid Nasim Jatoi, COMSATS Institute of Information Technology (CIIT), Vehari	
12:15 pm	Genetic response of bread wheat genotypes under different climatic conditions Dr. Ghulam Hassan, The University of Agriculture, Peshawar	Studying impact of climate change on wheat yield by using multimodel ensembles approach Dr. Mukhtar Ahmad, Washington State University, Pullman, WA 99164-6120	Water-food nexus under climate change: Compromising efficiency in water allocation Dr. Raza Ullah, University of Agriculture Faisalabad, Pakistan
12:30 pm	Influence of nursery sowing dates and seedling age at transplantation on chip bud sugarcane yield Dr. Fazal Munsif, The University of Agriculture, Peshawar	Assessment of spatial and temporal variations of soil salinity using combination of remote sensing and field methods in Lakki Marwat, KPK Dr. Tauqeer Qadir, University of Agriculture Faisalabad	Exploring the potential contribution of indigenous fruits in achieving food and nutritional security Dr. Noosheen Zahid, The University of Poonch, Rawalakot, AJK
12:45 pm	Is Rainfed Wheat productivity vulnerable to climate change? Dr. M. Aqeel Aslam, PMAS Arid Agriculture University Rawalpindi	CROPWAT- based future projections of crop water requirements and net irrigation requirements of wheat in semi-arid and arid climate of Pakistan Aftab Ahmad Khan, Global Change Impact Studies Centre, Islamabad	Enhancing productivity and quality of delayed planted wheat through seed rate and seed soaking Dr. Inamullah, The University of Agriculture, Peshawar
1:00 pm	Q & A along with discussion	Q & A along with discussion	Q & A along with discussion
1:15 pm	Lunch & Prayers Break		
	Climatic Change Center Hall	AUTA Hall	Video Conference Room
	Climatic Change Session Chair: Prof. Dr. Bashir Ahmad The Uni. of Agric. Peshawar Rapporteur: Faiza Aman	Nutrients management Session Chair: Prof. Dr. Zahir Shah The University of Agri. Peshawar Rapporteur: Dr. Hameeda	Safe Environment Session Chair: Dr. Naila Nazir University of Peshawar Rapporteur: Shazma Anwar
2:15 pm	Climate Smart Agriculture Banaras Khan, FAO	Exogenous application of magnesium improves cotton productivity under water deficit conditions Prof. Dr. Hakoomat Ali, Bahauddin Zakariya Uni. Multan.	Liming Induces Carbon Dioxide (CO) Emission in PSB Inoculated Alkaline Soils Supplemented with Different Dr. Muhammad Adnan, University of Swabi
2:30 pm	Assessing farm risk management decision under climate change:	Optimizing nitrogen sources and different tillage practices for	Nitrification inhibition potential of selected medicinal plant materials

	Determinants and Methodological approaches Dr. Muhammad Amjed Iqbal, The University of Agriculture Faisalabad	wheat crop stand and phenology Arsalan Khan, The University of Agriculture, Peshawar	in soil incubated under laboratory conditions Dr. Majid Mahmood Tahir, The University of Poonch, Rawalakot, AJK
2:45 pm	Value of information sharing as part of national climate change adaptation strategies: Case of Pakistan Asmat Ali, Survey of Pakistan, Peshawar	Exogenously Applied Plant Growth Regulators Affect Heat-stressed Rice Pollens Shah Fahad, The University of Sawbi	Causes of deforestation and its effects on different factors in rural community of district Swat-Pakistan Naushad Khan, IDS The University of Agriculture, Peshawar
3:00 pm	Designing pearl millet virtual cultivar for future: Reducing risks of crop failure for arid and semi-arid climatic conditions of Punjab, Pakistan Dr. Asmat Ullah the University of Agriculture, Faisalabad	Application of compost and fertilizer nitrogen on yield and yield components of maize Sajid Ali, The University of Agriculture, Peshawar	Phenology and yield of wheat as affected by exogenous fertilization of zinc and iron Arshad Jalal, The University of Agriculture, Peshawar
3:15 pm	Effect of geological distributions on phytochemical composition and biological potentials of olive (<i>Olea europaea</i>) leaves Dr. Hamayoon Khan, Islamia College University, Peshawar	Effect of pre flowering and pre harvest foliar spraying of some macro and micro nutrients on mango cv. Chaunsa summer Bahisht Dr. Fatma Bibi, Mango Research Institute, Multan, Pakistan.	Improving wheat yield and soil quality through integrated phosphorous management with residual effect of biochar Dr. Ishaq Ahmad Mian, The University of Agriculture, Peshawar
3:30 pm	Response of wheat to different levels of phosphorous, zinc and humic acid under semi-arid environment Dr. Shahan Shah, The University of Agriculture, Peshawar	Incorporation of organic residues in combination with mineral nitrogen for improving yield and yield components of maize Dr. Fazal Munsif, The University of Agriculture, Peshawar	Prospects of wheat-canola intercrop for grain and fodder purpose Akakhel, The University of Agriculture Peshawar
3:45 pm	Q & A along with discussion	Q & A along with discussion	Q & A along with discussion
4:00 pm	Session Closed		

Day 2 (Thursday, 23 November 2017)			
	Climatic Change Center Hall	AUTA Hall	Video Conference Room
	Climatic Change Session Chair: Dr. Jawad Ali, Deputy Country Director, Helvetas Rapporteur: Dr. Shahen Shah	Nutrient management Session Chair: Prof. Dr. Shakeel Ahmad Bahauddin Zakariya Uni. Multan Rapporteur: Dr. Inayatullah Jan	Safe Environment Session Chair: Prof. Dr. Fida Mohammad The Uni. of Agric. Peshawar Rapporteur: Dr. Dost Muhammad
9:00 am	Climate Smart Agriculture in the prospects of Pakistan Dr. Muhammad Habib ur Rahman, Muhammad Nawaz Sharif University of Agriculture, Multan	Influence of plant growth regulators on growth and yield attributes of soybean (Glycine max l.) Under rain-fed conditions of Rawalakot, Azad Kashmir Dr. Muhammad Shehzad, The University of Poonch Rawalakot, AJK	Alternative to herbicides strategy for management of toothed dock weed in wheat under field conditions Dr. Arshad Javaid, University of the Punjab
9:15 am	Mitigating the challenge of climatic change: Crops adaptation strategies for farming community in Pakistan Dr. Sajjad Khan, NARC Islamabad	Effect of integrated use of compost and NPK fertilizers on maize sown in different sowing time Naveed Hasham, The University of Agriculture, Peshawar	Environment and farmer friendly approach for wheat production in cotton-wheat cropping system Dr. Hafiz Naveed Ramzan Ayub Agricultural Research Institute, Faisalabad
9:30 am	Assessing farm risk management decision under climate change: Determinants and Methodological approaches Dr. Muhammad Amjed Iqbal, University of Agriculture Faisalabad	Combined use of organic amendments and synthetic fertilizers improves the yield of sunflower under an arid climate Dr. Mubshar Hussain, College of Agriculture, Bahauddin Zakariya University	Mung bean – Wheat an economical and environment friendly cropping system for high and medium rainfall areas of Potohar region Dr. Sikander Khan Tanveer, Wheat Programme, NARC Islamabad
9:45 am	Rising climate change impacts in Pakistan Dr. Naeem Shahzad, National University of Sciences and Technology, Pakistan	Role of macro and micro nutrients: inducing thermotolerance at reproductive stages of Bt cotton in semiarid regions Dr. Mohammad Sarwar, Ayub Agricultural Research Institute, Faisalabad	Agro-waste disposal through Biochar and straw management for soil carbon sequestration Dr. S. I. ABRO, Sindh Agriculture University, Tando Jam
10:00 am	Effect of cold and heat stress on different stages of wheat	Effect Of Phosphorus And Sulphur On Yield And Yield Components Of Sesame	Impact of ambient ozone pollution on growth and productivity of two cultivars of mungbean by using

	Dr. Sadam Hussain, The University of Agriculture, Faisalabad	Arshad Jalal, The University of Agriculture, Peshawar	ethylenediurea at suburban area of Lahore-Pakistan Dr. Azeem Haider, University of the Punjab
10:15 am	A seeded vs transplantation methods of rice production under various levels of nitrogen for higher productivity in the changing climate Dr. Inamullah, The University of Agriculture, Peshawar	Integrated nutrient management: Attractive way for sustainable wheat crop productivity Dr. Naeem Sarwar, Bahauddin Zakariya University Multan	Conservation agriculture: a strategy to mitigate climate change in Pothwar plateau Dr. Sairah Syed, Soil & Water Conservation Research Institute, Talagang Road Chakwal
10:30 am	Q & A along with discussion	Q & A along with discussion	Q & A along with discussion
10:40 am	Morning tea		
	Climatic Change Center Hall	AUTA Hall	Video Conference Room
	Climatic Change Session Chair: Prof. Dr. Ashfaq A. Chatta Uni. of Faisalabad Rapporteur: Ms. Umme-e-Aiman	Biodiversity Session Chair: Prof. Dr. Zhang Schengquen Beijing Academy for Agri. & Forestry Science, China Rapporteur: Dr. Shah Fahad	Sustainable farming Session Chair: Ms. Sumera Izhar Norwegian Action Alliance, NCA Rapporteur: Ms. Nayab Gul
11:00 am	Analysis of historic temperature data to determine trends of temperature and its relation to wheat crop growing season Dr. Farah Khan, Bahauddin Zakariya University Multan	Biodiversity, ecosystem services, climate change and greening business Dr. Asad Ullah, University of Peshawar	The ecocapacity of Agro-ecological systems as a quick measure of climate green buffer Prof. Dr. Marc Janssen, University Bonn Germany
11:15 am	Biochemical responses of different citrus rootstocks under drought stress Dr. Sajjad Hussain, Bahauddin Zakariya University, Multan	Differential biochemical change in proteome and metabolome of medicinal plants under different conditions Dr. Muhammad Shahid, The University of Agriculture, Faisalabad	Biochar particle size and rhizobia strains can increase lentil yield and biomass accumulation by enhancing major nutrients availability Dr. Wiqar Ahmad, The University of Agri. Peshawar
11:30 am	Phenology of 'Tupy' and 'Xavante' blackberries grown in subtropical area Dr. Ibrar Hussain, Agricultural Research Center, Londrina, Brazil	Estimation of heritability and correlation coefficient for various traits in F ₆ populations of chickpea under drought condition Dr. Shahzad Ahmad, the Uni. of Agri. Peshawar	Role of minor fruits species in achieving sustainable nutrition under changing climate scenario Dr. Mehdi Maqbool, The University of Poonch, Rawalakot, AJK

11:45 am	How Climate Change Affects Women in Pakistan Sahrish Sarwar, NCA	A system's approach to estimate forest area under billion trees tsunami afforestation project (BTTAP) in Khyber Pakhtunkhwa of Pakistan Naila Nazir, University of Peshawar	Building organic matter in soil through integrated nutrient management and its impact on wheat growth and yield Sajid Khan, The University of Agriculture, Peshawar
12:00 noon	Bed planting: A climate change mitigation strategy Dr. Abdul Majeed, Ayub Agricultural Research Institute, Faisalabad	Wheat breeding for climate change Dr. Quahir Sohail, IBGE The University of Agriculture, Peshawar	Long term effect of biochar and summer legumes on wheat yield and Soil Physical Properties Hafeez Ur Rahim, The Uni. of Agriculture Peshawar
12:15 pm	Threats of climate change to crop production and strategies to overcome Dr. Hafiz Muhammad Akram, Ayub Agricultural Research Institute, Faisalabad	Screening of soybean genotypes for improved yield and quality in sub mountainous temperate Swat valley of northern Pakistan Dr. Inamullah, The University of Agriculture, Peshawar	Residual effect of biochar on berseem productivity and soil quality under different farm yard manure and nitrogen levels M. Rabnawaz Khan, The University of Agriculture, Peshawar
12:30 pm	CropSyst to model N dynamics in wheat under variable climatic conditions Umara Qadeer, PMAS Arid Agriculture University Rawalpindi-46300 Pakistan	Diallel analysis for the inheritance study of phytic acid along with morpho-yield traits in bread wheat Dr. Ijaz Ahmad, The University of Agriculture, Peshawar	
12:45 pm	Q & A along with discussion	Q & A along with discussion	Q & A along with discussion
1:00 pm	Lunch & Prayers Break		
	Climatic Change Center Hall	AUTA Hall	Video Conference Room
	Climate Change Session Chair: Prof. Dr. Hidyat ur Rehman The Uni. of Agri. Peshawar Rapporteur: Dr. Wajid N. Jatoi	Water and Drought Session Chair: Prof. Dr. M. Jamal (WAMA) The Uni. of Agric. Peshawar Rapporteur: Dr. Naveed Ullah	Animal Science Session Chair: Prof. Dr. Hakoomat Ali Bahauddin Zakariya Uni. Multan Rapporteur: Dr. Nazir A. Khan
2:00 pm	Biochar for climate smart agriculture: Potential and evidence Dr. Muhammad Riaz, Government College University Faisalabad	Drought risk assessment: A case study of dry lands Sher Shah Hassan, The University of Engineering and Technology, Peshawar	Climate change and livestock: Impacts, adaptation, and mitigation in local perspectives Prof. Dr. Ghulam Habib, The Uni. of Agriculture, Peshawar

2:15 pm	Impacts of climate change on soil microflora and plants performance Dr. Javed Iqbal Qazi, University of Punjab, Lahore	Role of foliar application of Magnesium to improve cotton productivity under drought conditions Dr. Muhammad Irfan, Bahauddin Zakariya Uni. Multan.	Mitigating phosphorus excretion in poultry litter using an <i>E. coli</i> derived phytase enzyme: A step toward safe environment Dr. Asad Sultan, The University of Agriculture, Peshawar
2:30 pm	Impacts of climate change on agriculture system of Pakistan Dr. Muhammad Waqar Azeem, University of Agriculture, Faisalabad	Silicon improves the physicochemical traits in wheat under drought stress Dr. Muhammad Adnan Bukhari, The Islamia University of Bahawalpur, Punjab	Genetic etiology of oral cancer Johar Ali, RMC Hayatabad, Peshawar
2:45 pm	Impact of climate change on cereal crops yield in KPK province Muhammad Umer Afzal, CIMMYT, NARC, Park Road, Islamabad	Adaptability evaluation and simulation of Safflower (<i>Carthamus tinctorius</i> L.) productivity under rainfed conditions Dr. Obaid Afzal, PMAS-Arid Agriculture University Rawalpindi	Effect of ambient temperature on the immunity and overall performance of four commercial broiler strains Dr. Naila Chand, The University of Agriculture, Peshawar
3:00 pm		Statistical approach to assessment the hydrological alteration in the Mangla watershed Pakistan Akif Rahim, University of Punjab	Distribution of virulence and antibiotic resistance genes in <i>E. coli</i> isolates along the production and supply chain of pork around Hubei Province, China Sher Bahadar Khan, Huazhong Agriculture University, Wuhan, P.R. China
3:15 pm	Q & A along with discussion	Q & A along with discussion	Q & A along with discussion
3:30 pm	Session Closed		

Day 3 (Friday, 24 November 2017)**Main Auditorium Hall**

9:30 am	Recap of the conference	Prof. Dr. Mohammad Akmal
10:00 am	Panel discussions	Prof. Dr. Mrac Janssens (Germany) Prof. Dr. Ashfaq A. Chatta (UAF) Prof. Dr. Zhang Schengquen, (China) Dr. Johar Ali (Member PARC) Dr. Arjumand Nizami (Helvetas)
10:45 am	Arrival of Chief Guest	
10:55 am	Welcome address by the Vice Chancellor	Prof. Dr. Zahoor Ahmad Swati
11:10 am	Concluding address by the Chief Guest	
11:30 am	Vote of thanks by Chairman Agronomy	Prof. Dr. Mohammad Akmal
11:50 am	Group Photo	Nazif Photographer
12:00 noon	Lunch	Foreign Faculty Guest House
1:00 pm	Conference closed	