



13th National Conference of Weed Science

*Vegetation Management in the Era of Climate
Change for Sustainability*

(19-21 August, 2016)

Shaheed Benazir Bhutto University

Tentative Conference Program

Organized By:

**Weed Science Society of Pakistan and
Shaheed Benazir Bhutto University, Sheringal, Dir
Upper, Khyber Pakhtunkhwa, Pakistan**





Video Conference Room Day 1 – 19th August 2016

8:30 – whole day	Participants Registration
Inaugural Session (Video Conference Room)	
09:30 – 9:45	Guests to be seated / Arrival of the Chief Guest
09:45 – 09:50	Recitation from the Holy Quran
09:50 – 09:55	Welcome Address
09:55 – 10:00	Brief outline of conference
10:00 – 10:30	Address by Honorable Vice Chancellor Prof. Dr. Khan Bahadar Marwat S./
10:30 – 10:45	Address by Honorable Chief Guest
10:45 – 11:15	Tea Break

Concurrent Session I Hall I (Video Conference Room)

Chairperson: Prof. Dr. Mohammad Subhan		Vice Chairperson: Dr. M. Asif Nawaz	
11:15 – 11:30	Systematic Significance Of Anatomical Characterization In Some Euphorbiaceous Species (Prof. Dr. Zabta Khan Shinwari)		
11:30 – 11:45	Reproductive Potential Of <i>Fumaria indica</i> (Hausk.) Pugsley And Wheat In Arable And Marginal Fields Of Upper Indus Plains (Manzoor Ahmad Malik)		
11:45 – 12:00	Effect Of Post Emergence Herbicides On Weed Management In Cotton (<i>Gossypium hirsutum</i>) (Abdul Qayyum)		
12:00 – 12:15	Pesticide-Induced Oxidative Stress And Antioxidant Responses In Tomato (<i>Solanum Lycopersicum</i>) Seedlings (Shakir ullah khan shakir)		
12:15 – 12:30	Phytotoxic effects of associated weeds of wheat: a menace to crop production (Zohaib Ali)		
12:30 – 12:45	Influence of seed pre-treatment and planting geometry on herbicide efficacy in wheat (<i>Triticum aestivum</i> L.) (Abdul khaliq)		
12:45 – 01:00	Impact Of Urbanization On The Vegetation Of Regi Model Township Peshawar, Khyber Pakhtunkhwa, Pakistan (Kashif Ali)		
01:00-2:00	Lunch/ Prayer		





Concurrent Session 2 Hall II (Pharmacy Department)

Chairperson: Dr. Mohammad Khurram

Vice Chairperson: Dr. Arshad Javaid

11:15 – 11:30	Impact Of Water Hyacinth And Water Lettuce Water Extracts On Growth And Germination Of Wheat And Its Associated Troublesome Weeds (Dr. Bakhtiar Gul)
11:30 – 11:45	Proteomics Analysis Of Tomato (<i>Solanum lycopersicum</i> L.) Seedlings Treated With Smoke-Water Under Light Emitting Diodes (Leds) (Pirzada Khan)
11:45 – 12:00	Effect Of Plant-Derived Smoke Solution On Seedling Growth, Nodulation And Secondary Metabolites Of Chickpea (<i>Cicer arietinum</i> L.) (Ali Rahman)
12:00 – 12:15	Anatomical And Taxonomical Study And Indigenous Uses Of Few Medicinal Xerophytes (Aziz khan)
12:15 – 12:30	Phytotoxic Effect Of Nettle leaf Goosefoot Against Germination And Growth Of Parthenium Weed (Iqra Haider Khan)
12:30 – 12:45	Plant Derived Smoke As A Pesticide Alleviator (M. Mudassir Aslam)
12:45 – 01:00	Common Weeds Of Sheringal Valley Khyber Pakhtoonkhwa Pakistan (Ali Hazrat)
01:00-2:00	Lunch/ Prayer

Concurrent Session 3 Video Conference Room Hall I (Day 1) August 19, 2016

Chairperson: Dr. Muhammad Azim Khan

Vice Chairperson: Dr. Haroon Khan

02:00 – 02:15	Potential Distribution Of Endemic <i>Scutellaria Chamaedrifolia</i> ; Geographic Information System And Statistical Model Approach (Prof. Dr. Habib Ahmad)
02:15 – 02:30	Conservation Status And Sustainable Use Of Medicinal Plants Of Pakistan (Prof. Dr. M. Qaiser)
02:30 – 02:45	Allelopathic effect of <i>Carica papaya</i> on <i>Avena fatua</i> , <i>Rumex dentatus</i> , <i>Helianthus annuus</i> , <i>Triticum aestivum</i> and <i>Zea mays</i> . (Tauseef Anwar)
02:45 – 03:00	Physiological And Biochemical Responses Of Maize To Plant Derived Smoke Solution (Mohammad Mudassir Aslam)
03:00 – 03:15	Effect Of Herbicides For The Control Of Weeds In Mungbean Under Agro Ecological Conditions Of Thal Zone (M. Anjum Ali)
03:15 – 03:30	Climate Change Has Disturbed The Weed Flora Of Thal Zone (M. Ahmad)
03:30 – 03:45	Suppression Of Maize (<i>Zea Mays</i> L.) Seedling Growth By Invasive Alligatorweed (<i>Alternanthera Philoxeroides</i> (Mart.) Griseb) Residues (Asif Tanveer)





03:45 – 04:00	Evaluation Of Different Adjuvants To Enhance The Efficacy Of Atrazine+S-Metolachlor Herbicide At Reduced Rate Against Weeds In Maize (<i>Zea mays</i> L.) (Rizwan Maqbool)
04:00 – 04:15	Invasion Of <i>Parthenium hysterophorus</i> L. In District Toba Tek Singh, Punjab, Pakistan (Tariq Riaz)
04:15 – 04:30	Floristic Composition, Ecological Characteristics And Economic Importance Of Weeds Growing In Fields Of Onion And Garlic At Maidan Valley, Dir (L), Khyber Pakhtunkhwa, Pakistan (Fazalullah)
04:45 – 05:00	Management Studies Of <i>Silybum marianum</i> L. In Irrigated Punjab (Abdul Rehman)
05:00 – 05:15	A pilot study on the replacement of crops with high valued medicinal plants growing in Dir (L), Khyber Pakhtunkhwa, Pakistan for economic impact assessment (M. Nisar)

Concurrent Session 4 Pharmacy Hall II (Day 1) August 19, 2016

Chairperson: Prof. Dr. Asif Tanveer

Vice Chairperson: Dr. Bakhtiar Gul

02:00 – 02:15	Classification Of Weed Flora Of Malakand Pakistan Using Multivariate Statistical Techniques (Shujaul Mulk Khan)
02:15 – 02:30	<i>vitro</i> management of diamondback moth (<i>Plutella xylostella</i> L.) through different concentration of parthenium and neem extracts (Bashir Ahmad)
02:30 – 02:45	Development Of Herbicide Resistance In Lentil (<i>Lens culinaris</i> Medik.) Through Induced Mutations (Mohammad Rizwan)
02:45 – 03:00	Allelopathic effect of <i>Rumex dentatus</i> ON <i>Avena fatua</i> , <i>Rumex dentatus</i> , <i>Helianthus annuus</i> , <i>Triticum aestivum</i> and <i>Zea mays</i> (Tauseef Anwar)
03:00 – 03:15	Efficacy Evaluation Of Post Emergence Herbicide Mixtures To Control Weeds In Forage Maize (<i>Zea Mays</i> L.) (Asif Tanveer)
03:15 – 03:30	Allelopathic Potential Of Aqueous Extracts Of Some Selected Species To Overcome Weed Infestation In <i>Triticum Aestivum</i> , <i>Zea Mays</i> And <i>Helianthus Annuus</i> (Tauseef Anwar)
04:00 – 04:15	Comparative Performance Of Pre And Post Emergence Herbicides For Weed Control In Cotton (Mohammad Tariq)
04:15 – 04:30	Influence Of Sorghum (<i>Sorghum bicolor</i> L.) Extract Type, Concentration And Application Time On Weeds Weight And Grain And Biomass Yield Of Wheat (Abdul Rab)
04:30 – 04:45	Organic Mulch As A Tool Of Weed Control (M. Ikram ul Haq)
04:45 – 05:00	Antibacterial Activity Of <i>Galium tricornutum</i> Subsp. <i>Tricornutum</i> ; <i>Galium asperifolium</i> ; <i>Galium campylotrichum</i> From Pakistan (Abdul Khaliq Jan)





12:45 – 01:00	Effect Of Incorporation Of Leaf Biomass Of <i>Coronopus didymus</i> On Management Of Basal Rot Disease Of Onion And Its Physiology (Lubna Niaz)
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01:00 – 02:00	LUNCH AND PRAYER BREAK
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Concurrent Session 7 Video Conference Room Hall I (Day II August 20, 2016)

Chairperson: Prof.Dr. Z. M . Khalid	Vice Chairperson: Dr. Abdul Rab
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02:00 – 02:15	Use Of Genetic Engineering In Herbicide Resistance In Weeds (Zafar Mahmood Khalid)
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02:15 – 02:30	Some Medicinal Plants Of Kurdistan Used In Local Medicines (Zakiya A. Hassan)
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02:30 – 02:45	Allelopathic effect of <i>Parthenium hysterophorus</i> on <i>Avena fatua</i> , <i>Rumex dentatus</i> , <i>Helianthus annuus</i> , <i>Triticum aestivum</i> and <i>Zea mays</i> (Tauseef Anwar)
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02:45 – 03:00	Impact Of Sorghum (<i>Sorghum bicolor</i> L.) Extract Type, Concentration And Application Time On Weeds Density And Yield Of Wheat (Abdul Rab)
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03:00 – 03:15	Differential Hormetic Response Of Fenoxaprop-P-Ethyl Resistant And Susceptible <i>Phalaris Minor</i> Populations: A Potential Factor In Resistance Evolution (Tasawer Abbas)
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03:15 – 03:30	Bioassays Guided Fractionation Of <i>Senna Occidentalis</i> For Identification Of Natural Antifungal Constituents Against <i>Macrophomina phaseolina</i> (Halima Qudsia)
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03:30 – 03:45	Bioactivity Of A Solanaceous Weed <i>Datura metel</i> Against <i>Colletotrichum gloeosporioides</i> (Khajista Jabeen)
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03:45-04:00	Metabolites Of <i>Aspergillus phoenicis</i> As Natural Herbicides For Management Of Parthenium Weed (Uzma Bashir)
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04:00-04:15	Evaluation Of An Allelopathic Grass <i>Imperata cylindrica</i> For The Management Of <i>Macrophomina phaseolina</i> (Syeda Fakehha Naqvi)
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04:15 – 04:30	Management Of <i>Fusarium</i> Wilt Of <i>Solanum melongena</i> L. By Extracts Of <i>Ageratum conyzoides</i> (Sidra Javed)
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04:30 – 04:45	Identifying Optimum Herbicide Mixtures To Manage And Avoidfenoxaprop-P-Ethyl Resistant <i>Phalaris minor</i> Retz.In Wheat (Tasawer Abbas)
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04:45 – 05:00	Management Of Basal Rot Disease Of Onion By <i>Trichoderma Harzianum</i> And Leaves Extracts Of <i>Withania somnifera</i> (Roma Akhtar)
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Concurrent Session 8 Pharmacy Hall II (Day II (August 20, 2015)

Chairperson: Dr. Shuja ul Mulk	Vice Chairperson: Dr.Nasir Mahmood
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09:15 – 09:30	Genetic Diversity In <i>Brassica</i> Species And <i>Eruca Sativa</i> For Yield Associated Parameters (Farhatullah)
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09:30 – 09:45	Pre- emergence herbicides and mulches affect the weed flora and marketable yield of chili crop (Khalid Nawab)
09:45 –10:00	Antifungal Constituents Of <i>Cirsium arvense</i> For Management Of <i>Macrophomina phaseolina</i> (Saira Banaras)
10:00 – 10:15	Identification Of Antifungal Compounds In Root Extract Of <i>Chenopodium album</i> Against <i>Sclerotium rolfsii</i> (Amna Ali)
10:15 – 10:30	Antifungal Agents In <i>Datura Metal</i> Fruit For Management Of <i>Sclerotium rolfsii</i> (Nadia Jabeen)
10:30 – 10:45	Role Of Biopower Application On Weed Management In Rice (Nighat Sana)

10:45 – 11:00

Tea Break

Concurrent Session 9 Video Pharmacy Hall II (Day II August 20, 2016)

Chairperson: Dr. Farzana Parveen

Vice Chairperson:Dr. AK Jan

11:00-11:15	Allelopathic Effect Of Sunflower Extract On Weeds Suppression And Productivity Of Wheat (Abdul Rab)
11:15 – 11:30	Antifungal Activity And Gc-Ms Analysis Of Aerial Parts Of <i>Cenchrus pennisetiformis</i> Against <i>Fusarium oxysporum</i> F. Sp. <i>Lycopersici</i> (Amna Shoaib)
11:30 – 11:45	Diversity Of Some Homobasidiomycetes Of Konsh Velly, District Mansehra (Bakhtawar Khan)
11:45 – 12:00	Diversity Of Some Rust Fungi Of Tehsil Besham District Shangla (Muhammad Fahad)
12:00 – 12:15	Taxonomic Study In Amanitaceae And Russulaceae From Small Area Of District Tor Ghar, Pakistan (Hammad Ur Rehman)
12:15 – 12:30	Evaluation Of Phytotoxic Potential Of Various Sorghum Water Extract Preparations Against Winter Weeds In Wheat (Tassadduq Rasool)
12:30 – 12:45	Sequential Allelopathic Crop Rotation As Weed Control (Ahmad Mustafa)
12:45-01:00	Synergistic Effect Of Allelochemicals And Microbial Community By Incorporation Of Cover Crop Residue For Weed Suppression (Qamar Uz Zaman)

01:00 – 02:00

Lunch and Prayer Break

Concurrent Session 10 Pharmacy Hall II (Day II August 20, 2016)

Chairperson: Prof. Dr. Klalid Nawab

Vice Chairperson: Dr.Inamullah

02:00 – 02:15	Vegetation Studies Of Kabal Valley, District Swat, Pakistan Using Multivariate Approach (Mohammad Ilyas and Rahmatullah Qureshi)
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02:15 – 02:30	Influence of different mulches and herbicides on weed density and yield of chilies (Khalid Nawab)
02:30 – 02:45	Chemical Control Of <i>Rhynchosia capitata</i> (Roth.) Dc In Green Gram With Lactofen At Reduced Rate With Alkyl Ether Sulfate As Adjuvant (Muhammad Ehsan Safdar)
02:45 – 03:00	Community Structure And Ecological Evaluation Of Weeds Of Wheat In District Karak, Pakistan (Lal Badshah)
03:00 – 03:15	Effect Of Arsenic On Cell Growth, Motility, Gravitactic Orientation And Photosynthetic Pigments In <i>Euglena Gracilis</i> (Sidra Tahira)
03:15 – 03:30	Synergistic Effect Of Parthenium Extract And Herbicide On Weeds In Rainfed Wheat (Adeel Anwar)
03:30-03:45	Antimicrobial, phytotoxic and insecticidal activities of nanoparticles synthesized by using chemical extracts from <i>Withania somnifera</i> and <i>Fagonia indica</i> (Asma Akber)
03:45-04:00	Weed Control In Tomato (<i>Lycopersicon esculentum</i> Mill.)Through Some Traditional Methods In District Mastung (Alia Ahmed)
04:00 – 04:15	Allelopathic Potential Of <i>Daphne mucronata</i> Royle. On Growth Of <i>Convolvulus arvensis</i> and Investigation Of The Growth Inhibitory Substance (Shazia Saeed)
04:15 – 04:30	Effects Of The Root Bark Extract Of <i>Monothecha Buxifolia</i> (Falc.) On Antioxidant Potential And Seral Properties Of Rabbit (<i>Orvctolaagus Cuniculus</i>) (Khan Sher)
04:30 – 04:45	Efficacy Of Plant Spacings And Weed Mulches On Potato And Its Associated Weeds At High Altitude In Chitral, KP (Manzoor Ahmad)

Concurrent Session 11 Forestry Hall III (Day II August 20, 2016)

Chairperson: Dr.Gul Shahzada

Vice Chairperson: Dr. M. Asif Nawaz

09:15 – 09:30	<i>Soliva pterosperma</i> (Juss.)Less.An Addition To The Floraof Pakistan (Siraj ud din)
09:30 – 09:45	Effect Of Pre And Post Emergemce Herbicides For The Control Of Weeds In Chickpea Under Agro Ecological Conditions Of Thal Zone (M. Anjum Ali)
09:45 –10:00	Diversity Of Weed Flora Of Onion In District Lahore Punjab, Pakistan. (Salik Nawaz Khan)
10:00 – 10:15	Invasion Of <i>Parthenium hyteriophorus</i> In Suburban Onion Fields Of Lahore And Its Adjacent Districts Of Punjab Pakistan (Justina Jane Tahira)
10:15 – 10:30	Hyper Production Of A-1, 4-Glucosidase From <i>Bacillus Licheniformis</i> Kibge-Ib4 By Utilizing Sweet Potato Peel (M. Asif Nawaz)





10:30 – 10:45

Tea Break

Concurrent Session 12 Forestry Hall III (Day II August 20, 2016)

Chairperson: Dr. Salik Nawaz

Vice Chairperson: Dr. Inamullah

10:45 – 11:00

Conservation And Red Listing Of Fungal Species Found In Hindu Kush-Himalayan Region Of Pakistan (**Haider Ali**)

11:00 – 11:15

Efficacy Of Parthenium Extracts Against Diamondback Moth, (*Plutella xylostella* L.) Under Laboratory Conditions (**Bashir Ahmad**)

11:15 – 11:30

Response Of Wheat (*Triticum aestivum* L.) Varieties Against Weeds Allelopathy (**Ijaz Ahmad Khan**)

11:30 – 11:45

Effect Of Plant Spacing And Weed Mulches On Tomato Yield And Its Weeds At Peshawar, Pakistan (**Luqman**)

11:45 – 12:00

Influence Of Sowing Orientation And Intercropping Of Chili On Tomato Yield And Its Weeds At Chitral Pakistan (**Mohammad Ilyas**)

12:00 – 12:15

Weed management in aerobic rice (*Oryza sativa* L.) Grown under varying tillage systems and alternate wetting and drying regimes (**Adil Anwar**)

12:15 – 12:30

Potential Distribution Of Endemic *Scutellaria chamaedrifolia*; Geographic Information System And Statistical Model Approach (**Abdul Majid**)

12:45-01:00

Response Of Forage Yield To Sorghum Cultivars Under Varying Planting Patterns (**Mohammad Asim**)

01:00 – 02:00

Lunch and Prayer Break

Concurrent Session 13 Forestry Hall III (Day II August 20, 2016)

Chairperson: Dr. Ehsan Safdar

Vice Chairperson: Anwarul Haq

02:00 – 02:15

Amaranthus- A New Multipurpose Climate Change Resilient Summer Crop For Pakistan Agriculture (**Bashir Ahmad**)

02:15 – 02:30

Effect Of Traffic Pollution On The Soil, Air And Morphology Anatomy And Biochemistry Of *Ziziphus jujuba* In District Karak, Pakistan (**Aziz ullah**)

02:30 – 02:45

Alleviation Of Arsenic Stress In Maize Seedlings By Glutathione And Salicylic Acid (**M.K Daud**)

02:45 – 03:00

Possible Utilization Of Allelopathins As A Natural Herbicide For Weed Management In Wheat (**Haroon ur Rashid**)





03:00 – 03:15	Evaluation Of Antibacterial Activities Of <i>Silene conoidea</i> From District Karak Against Multi-Drugs Resistant Pathogenic Bacteria (Aziz ullah)
03:15 – 03:30	Effect Of Nitrogen And Zinc Fertilization On Yield And Yield Components Of Wheat Varieties (Shazma Anwar)
03:30-03:45	Effect Of Plant-Derived Smoke Solutions On Physiological And Biochemical Characterization Of Maize (<i>Zea Mays</i> L.) Under Salt Stress (M.A. Waheed)
03:45-04:00	Effect Of Irrigation And Nitrogen Levels On The Yield And Yield Components Of Wheat (Wajid Ali Shah)
04:00 – 04:15	Floristic Diversity And Ecological Characteristics Of Weeds At Village Atto Khel Tehsil Halimzai Mohmand Agency Pakistan (Sajjad Ali)
04:15 – 04:30	First Symptomatic Evidences Of Gemini viruses In Swat Valley (Fazal Akbar)
04:30 – 04:45	Allelopathic Effect Of Aquatic Weeds (<i>Nelumbo nucifera</i> And <i>Sagittaria sagittifolia</i>) On Germination Of Wheat And Its Weeds (Wild Oat And Milkthistle) (Haroon Khan)
04:45 – 05:00	Effect Of Weeds Mulch On <i>Macrophomina phaseolina</i> (Tassi Goid) Associated Post Emergence Mortality And Biotic Stress In <i>Sesamum indicum</i> L (Shumaila Farooq)
05:00 – 05:30	Concluding Session
05:30 – 06:00	Distribution of Certificates
09:00-07:30	Excursion Visit- Optional

