



4th International and 13th National Conference of

Botany 2014

(27 - 30 August 2014)

Shaheed Benazir Bhutto University

Tentative Conference Program

Organized By:

Pakistan Botanical Society (PBS), Pakistan

Shaheed Benazir Bhutto University, Sheringal, Dir

Upper, KPK





Day 1 – 27th August 2014

2:00 PM – 8:00 PM Registration of Participants

Day 2 – 28th August 2014

Inaugural Session

9:00 – 9:15	Guests to be seated / Arrival of the Chief Guest
9:15 – 9:20	Recitation from the Holy Quran
9:20 – 9:25	Welcome Address
9:25 – 9:30	Brief outline of conference
09:30 – 10:00	Address by Honorable Vice Chancellor Prof. Dr. Khan Bahadar Marwat S./
10:00 – 10:30	Address by Honorable Chief Guest
10:30 – 11:00	Tea Break

Technical Session (Video Conference Room)

Plant Physiology / Stress Physiology / Microbial Interactions / Plant Pathology

11:00– 11:10	Antimicrobial profile of different fractions of <i>Duranta erecta</i> against selected pathogenic strains (Akbar Jan)
11:10 – 11:20	Organic wastes “crop vs. Animal” management for increasing crop productivity in rice-wheat cropping system (Amanullah)
11:20 – 11:30	Pathogens identification and characterization that compromised citrus fruit quality in selected orchards of Sargodha (Amber Khan)
11:30 – 11:40	Salinity tolerance in rice as affected by application of abscisic acid and salicylic acid under hydroponic (Anser Ali)
11:40 – 11:50	Radish extracts as natural fungicides for management of <i>Fusarium oxysporum</i> f. Sp. <i>Lycopersici</i> , the cause of tomato wilt (Arshad Javaid)
11:50 – 12:00	Effect of elevated carbon dioxide and a biological control agent on the stomatal density of parthenium weed (<i>Parthenium hysterophorus</i> L.) (Asad Shabir)
12:00 – 12:10	Effects of plant growth regulators on seed germination physiology and early seedling development of linseed (<i>Linum usitatissimum</i> L.) (Asghari Bano)





12:10 – 12:20	Comparison of artificial inoculation methods to evaluate the pathogenicity of <i>Ceratocystis manginecans</i> from mangoes in Pakistan (Asma Rashid)
12:20 -12: 30	Species diversity and biological activities of some selected lichens of district Mansehra, Pakistan (Asmat ullah)
12:30 – 12:40	Evaluation of different strategies on induction of axillary buds in tea (Azhar Hussain Shah)
12:40 - 12: 50	Assessment of the phytoaccumulating capacity, growth and protein profiling of cow pea (<i>Vigna unguiculata</i>) grown on multi-contaminated soils (Jehan Bakht)
12: 50 – 01:00	Role of <i>Solanum surrattense</i> various fruits fractions as antiglycation and antioxidative agent in reducing diabetic complications and slowing down ageing (Ibrar Khan)
01:00 – 02:00	Lunch/ Prayer
02:00 – 02:10	Modeling and determination of different sizes of chickpea (<i>Cicer arietinum</i> L.) Seeds (Asim Muhammad)
02:10 – 02:20	The status and intensity of infection of dwarf mistletoe (<i>Arceuthobium oxycedri</i> (d.c) m. Bied) on juniper forests of Ziarat, Baluchistan (Atta Muhammad Sarangzai)
02:20 – 02:30	Cross tolerance mechanisms of osmotic and ionic stress tolerant cell lines of rice towards salinity (Azhar Hussain)
02:30 – 02:40	Comparison of DHS progenies with their parents for grain nutrients and starch traits (Bakht Nisa Mangan)
02:40 – 02:50	Evaluation of salinity tolerance of some local, non aromatic coarse rice (<i>Oryza sativa</i> L.) Cultivars of Sindh (G. S. Channa)
02:50 – 03:00	Diversity of Arbuscular mycorrhizae associated with <i>Cymbopogon jwarancusa</i> . (Ghulam Sarwar)
03:00 – 03:10	Biodegradation of endosulfan by <i>Aspergillus niger</i> isolated from cotton fields of Punjab, Pakistan (Hamid Mukhtar)
03:10 – 03:20	Effect of different allelopathic extracts on weeds and wheat crop (Imtiaz Khan)
03:20 – 03:30	New and noteworthy rust fungi from Deosai plains, Pakistan (Ishaq)
03:30 – 03:40	Maize (<i>Zea mays</i> L.) Germplasm agro-morphological characterization based on descriptive, cluster and principal component analysis (Javed Iqbal)
03:40 – 03:50	Setting standards for processed dates in sindh, Pakistan (Khan Muhammad Zangejo)
03:50 – 04:00	Slaughter house soil: a novel source of thermostable lipase production (M. Kamran Bashir/ Tehreema Iftikhar)
04:00 – 04:10	Molecular systematics and evolutionary relationships of some inland gilled basidiomycetes from himalayan moist temperate forests using its-rDNA marker (Abdul Razaq)
04:10 – 04:20	Antifungal potential of <i>Isodon rugosus</i> (wall. Ex benth.) Stem- bark extracts (M.Afzal)
04:20 – 04:30	In vitro rooting and acclimatization of pineapple (<i>Annanas comosus</i> L.) (Maqsood Ahmed Lakho)





04:30 – 04:40	Ecotoxicological effects of four commonly used antibiotics on development of wheat (<i>Triticum aestivum</i> L.) (Maqsood Ahmad Malik)
04:40 – 04:50	Effect of nitrogen levels and decapitation stress on wheat (<i>Triticum aestivum</i> L.) Productivity (Muhammad I)
04:50 – 05:00	<i>Solanum rostratum</i> Dunal an addition to the family Solanaceae of Pakistan (Siraj ud din)
05:00 – 05:10	Ecological Distribution of Macro fungi From Gilgit-Baltistan (Abdul Razaq)
05:10 – 05:20	Application Of Holdridge Life Zones (Hlz) In Pakistan Syed Mahmood Nasir.
05:20 – 06:00	Poster Session

Geology- Hall - II- (Parallel Session Day 2 – 28th August 2014)

Plant Biotechnology / Biochemistry / Bioinformatics

11:00– 11:10	Association of single nucleotide polymorphisms with agro-morphological traits in wild barely accessions collected from Israel and Jordan (Abdul Wahid Baloch)
11:10 – 11:20	Eco-morphological and cytogenetic analysis of different <i>Lilium</i> species in korea (Adnan Younis)
11:20 – 11:30	Studies on genetic diversity in genus <i>Jasminum</i> using molecular markers (Afia Jehandzeb)
11:30 – 11:40	Phenotyping major seed dimensions through digital image analysis of diverse bread wheat germplasm and its implications for varietal discrimination (Ahmad Ali)
11:40 – 11:50	Enhanced stability and shelf life of glucose oxidase by entrapment in alginate beads (Ali Nawaz)
11:50 – 12:00	Cloning and characterization of tahsp70 gene from stripe rust (<i>Puccinia striiformis fsp. Tritici</i>) inoculated wheat line n-95175 (Ali. M)
12:00 – 12:10	Optimization of fermentation media for the production of l-lysine by <i>Corynebacterium glutamicum</i> (Amjed Hussain)
12:10 – 12:20	Morpho-physiological study of leaf quality of <i>Jatropha curcas</i> (Asim Muhammad)
12:20 -12: 30	Comparison of cow dung compost and its slurry generated in biogas plant for agriculture use (Asjad Khan)
12:30 – 12:40	Molecular analysis of Pakistan wheat germplasm for cell wall invertase gene (Hadi Bux)
12:40 - 12: 50	Studies on the lipase production by aspergillus niger through solid state fermentation (Hamid Mukhtar)
12: 50 – 01:00	Response of wheat (<i>Triticum aestivum</i> L.) Varieties to different seed priming sources (Muhammad Javed Khan)
01:00 – 02:00	Lunch/ Prayer





02:00 – 02:10	A study on DNA protective activity of peels of some vegetables wastes (Aisha Ishaq)
02:10 – 02:20	Photosynthetic pigments of wheat genotypes as affected by NaCl stress and aba application (Jehan Bakht)
02:20 – 02:30	Preceding rice genotypes, residual phosphorus and zinc influence wheat productivity under rice-wheat system (Amanullah)
02:30 – 02:40	Heterosis for Grain Yield and Grain Yield Components in Bread Wheat (<i>Triticum aestivum</i> L.) under normal and late plantings (Bashir Ahmad/ Hassan Sher)
02:40 – 02:50	Relationship between proteins and essential, non-essential amino acids in wheat varieties grown in K.P.K (Ehsan Ali)
02:50 – 03:00	Efficacy of aqueous extracts of different Allopathic plants on germination and growth of wheat and wild oat (Haroon Khan)
03:00 – 03:10	Allelopathic effect of <i>Salvia plebeia</i> R. Brown on germination and growth of <i>Zea mays</i> var. 30-25 hybrid, <i>Triticum aestivum</i> var. Pirsabak-04 and sorghum bicolor I (Husna)
03:10 – 03:20	Identification and characterization of 25 micrnas and their targeted proteins in apricot (<i>Prunus armeniaca</i> L.) (Iftekhar Ahmed Baloch)
03:20 – 03:30	Costar bean (<i>Ricinus communis</i> L.) Genotyping by sds-page and RAPD collected from different environmental zones of Pakistan (Ijaz Malook)
03:30 – 03:40	Morpho-physiological analyses of selected genotypes of wheat under agro climatic conditions of Mansehra (Ikram ur Rahman)
03:40 – 03:50	Response of chickpea (<i>Cicer arietinum</i> L.) Growth and yield attributes to different nutrients application in nutrient deficient soil (Inayat ur Rahman)
03:50 – 04:00	Isolation and screening of the endophytic fungi for the production of the Taxol (Hamid Mukhtar)
04:00 – 04:10	Chemical control of collar rot disease of chickpea (Iqra Haider Khan)
04:10 – 04:20	Phylogenetic and bioinformatics analysis of OSRGLP9 gene (Irfan Durrani)
04:20 – 04:30	Molecular identifications of some macrofungal saprobes (Agaricales; Basidiomycota) based on NRDNA its region, collected from western Himalaya, Pakistan. (Malka Saba)
04:30 – 04:40	Conservation and red listing of fungal species found in Hindu Kush-Himalayan region of Pakistan (Hazrat Ali)
04:40 – 04:50	“golden orange” apricots fruits yield and quality as Influenced by stones crushing dust at high rates (Saadullah Khan Leghari)
04:50 – 05:00	Evaluation of allelic variation for HMW glutenin subunits through sds-page in diverse bread wheats (Hidayat ullah)
05:00 – 05:10	Effect of different macro nutrients (nitrogen and sulfur) on agronomic characters of different corn hybrids (Abdul Qahar)
05:10 – 06:00	Poster Session





SHARC- Hall - III- (Parallel Session Day 2 – 28th August 2014)

Plant Taxonomy / Ethnobotany

11:00– 11:10	Palynological studies of the Family Crassulaceae from Pakistan and Kashmir and its taxonomic implications (Anjum Parveen)
11:10 – 11:20	Livelihood security through markeetability of high valued medicinal plant biodiversity in mankial valley, hindukush range Pakistan (Asadullah)
11:20 – 11:30	Fodder species used by the communities of Ayubia National Park Nathia Gali, Hazara (Asma Jabeen)
11:30 – 11:40	First floristic exploration of district torghar, khyber pakhtunkhwa, Pakistan (Azhar Mehmood)
11:40 – 11:50	An inventory of wild plants occurring in the campuses of Peshawar (Bakhtiar Gul)
11:50 – 12:00	Maximizing farm income and livelihood opportunities through cultivation of high value medicinal and aromatic plants in district swat, Pakistan (Hassan Sher)
12:00 – 12:10	Antimicrobial, Phytotoxic, Heamagglutination, Insecticidal and antioxidant activities of the fruits of <i>Sarcococca saligna</i> (D. Don) Muel. (Bashir Ahmad)
12:10 – 12:20	Study of heavy metals in medicinal plants (<i>Citrullus colocynthis</i> , <i>Euphorbia cornigera</i> and <i>Rhazya stricta</i>) in Turbat region of Balochistan (Manzoor Iqbal Khattak)
12:20 -12: 30	Diversity of arbuscular mycorrhizae associated with <i>Oryza sativa</i> in fields of Ahmad Pur Sial, Jhang. (Muhammad Shafiq Ch.)
12:30 – 12:40	An ethnobotanical appraisal of medicinal plants of Jamshoro (sindh): a quantitative approach (Ghulam Yaseen)
12:40 - 12: 50	Wheat and curly dock competition as affected by crop and weed density (Muhammad Azim Khan)
12: 50 – 01:00	The expression of MYB and ZAT12 genes by smoke priming under salt stress conditions In rice (Muhammad Jamil)
01:00 – 02:00	Lunch/ Prayer
02:00 – 02:10	Etnovetrinary medicinal plants practices district Peshawar, Khyber Pakhtunkhwa Pakistan
02:10 – 02:20	Termicidal activity of plants of family Zygophyllaceae and Euphorbiaceae (Ghulam Dastagir)
02:20 – 02:30	Ethnobotanical evaluation of medicinal plants of Sabirabad and allied peripheries district karak, khyberpukhtunkhwa, Pakistan (Hassan Javed Ch.)
02:30 – 02:40	<i>Tanacetum baltistanicum</i> Podlech: A critically endangered endemic species in gilgit-baltistan, Pakistan (Jan Alam)
02:40 – 02:50	Biodiversity and ethnobotanical value of cultivated plants of District Bannu Khyber Pakhtunkhwa, Pakistan (Jehanzeb Khan)
02:50 – 03:00	Phytochemical screening of some medicinal plants of District Karak (KPK) (Khadija Ali)





03:00 – 03:10	Taxonomy, biology and conservation of <i>Rafflesia</i> (Rafflesiaceae) in malaysia (A. Latif)
03:10 – 03:20	Weed flora in wheat fields of upper Indus Plains, Punjab, Pakistan (Manzoor Ahmad Malik)
03:20 – 03:30	Phytotoxic effects of <i>Calotropis procera</i> , <i>Tamarix aphylla</i> and <i>Peganum harmala</i> on plant growth of wheat and mustard (Muhammad Mudasar Aslam)
03:30 – 03:40	Conservation issues of medicinal plants of zewar valley Upper Chitral, Hindukush range Pakistan (Asadullah)
03:40 – 03:50	Diversity of alternaria alternata on phylloplane of some shrubs and trees of jinnah garden, Lahore (Muhammad Hanif)
03:50 – 04:00	Edible wild fruits species: source of traditional foods and medicines in swat valley Khyber Pakhtunkhwa, Pakistan (Muhammad Pukhtoon Zada Khan)
04:00 – 04:10	Diversity of mychorrhiza in <i>Saccharum officinarum</i> (Muhammad Shafiq ch.)
04:10 – 04:20	Assisted and natural potential of heavy accumulation in <i>Pennisetum glaucum</i> (Nafees Bacha)
04:20 – 04:30	Medicinal plants in tehsil bahawalnagar, punjab, pakistan (Naila Sarwer)
04:30 – 04:40	Indigenous utilization of medicinal wild edible fruit plants from inhabitants of moist temperate Himalayas, Pakistan (Humaira Saeed)
04:40 – 04:50	In vitro propagation of monoembryonic mango (<i>Mangifera indica</i> L.) Varieties of Pakistan (Najam ud din solangi)
04:50 – 05:00	Contribution to the red list of pakistan: a case study of the narrow endemic <i>Astragalus affghanus</i> Boiss. (fabaceae-papilionoideae) (Haider Ali)
05:00 – 05:10	Mung bean [<i>vigna radiata</i> (L.) Wilczek] seedlings exhibited differential patterns of chlorophyll and proline contents in response to cadmium and chromium toxicity (Abdul Ghani)
05:10 – 06:00	Poster Session

Pharmacy Hall IV Day 2 – 28th August 2014

PLANTS AND ENVIRONMENT/ ECOLOGY

11:00– 11:10	Effect of basal and foliar feeding of mineral nutrients to common bean (<i>Phaseolus vulgaris</i> L.) (Aftab afzal)
11:10 – 11:20	Assessment of relative species composition and identification of seasonal plant communities of mari dharnal reserved forest in scrub rangelands of District Chakwal (Ahmad hussain)
11:20 – 11:30	Evaluation of Biochar as fertilizer for the growth of some local vegetables (Aisha Ishaq)
11:30 – 11:40	Impact of pre-cooling and storage temperature on post-storage peel colour development and other physico-chemical and physiological attributes of mango (Amanullah Malik)
11:40 – 11:50	Effect of lime and fertilizer on nitrogen mineralization potential in the beech forest stands in hopa mountain region in Artvin, Turkey (Mehmet Cuneyt)





11:50 – 12:00	Toxic metal effect on filamentous fungi isolated from the contaminated soil of multan and Gujranwala (Anam Rasool)
12:00 – 12:10	Natural regeneration status of <i>Juniperus excelsa</i> (M. Bieb) forest in Ziarat, Balochistan (Atta Muhammad Sarangzai)
12:10 – 12:20	Determination of the forest plant communities of the Peochar Valley, Hindu Raj Mountains through cluster and two way cluster analysis (Aziz ur Rahman)
12:20 -12: 30	Germination, growth and yield parameters of mungbean (<i>Vigna radiata</i> L.), as affected by seed priming, under hot climate of arid zone (G. Abbas)
12:30 – 12:40	Study on potential impact of lowering of groundwater on date palm plantations (Ghulam Sarwar Markhand)
12:40 - 12: 50	Conservation assessment of <i>Meconopsis aculeata</i> Royle; a threatened endemic of pakistan and Kashmir (Habib Ahmad)
12: 50 – 01:00	Vegetation structure, composition, diversity and dynamics of Conifer dominating forests of Malam Jabba, Swat, Khyber Pakhtunkhwa province of Pakistan (M. Faheem Siddiqui)
01:00 – 02:00	Lunch/ Prayer
02:00 – 02:10	The role of exotic eucalyptus leaf litter and leaf litter ash in suppressing <i>Prosopis cineraria</i> , a native tree of pai-reserve forest (F.A Bughio)
02:10 – 02:20	Distribution and structure of conifer stands with special emphasis on <i>Taxus buccata</i> in moist temperate forests of kashmir Himalayas (Hamayun Shaheed)
02:20 – 02:30	Linkages between spatial variations in herbaceous vegetation and edaphic factors along simly lake, Islamabad (Iqra Afzal)
02:30 – 02:40	Geographical Distribution of Purple Blotch of <i>Allium cepa</i> L. (Onion) in Punjab, Pakistan(Justina Jane)
02:40 – 02:50	Floristic inventory, ecological characteristics and biological spectrum of Parachinar Kurram agency, Pakistan (Lal Badshah)
02:50 – 03:00	Phytoextraction of chromium from contaminated soil by okra (<i>Hibiscus esculentus</i> L.) (Hira Amin)
03:00 – 03:10	Effect of plant-derived smoke solutions on Physiological and biochemical characterization Of maize (<i>Zea mays</i> l.) Under salt stress (M.A Waheed)
03:10 – 03:20	The ecology of Arbuscular-mycorrhizal fungi (AMF) under different cropping regimes (Madiha Saeed)
03:20 – 03:30	Estimation of nitrous oxide and carbon dioxide emissions from synthetic fertilizers applied by tobacco growers in Khyber Pakhtunkhwa, Pakistan (Majid Hussain)
03:30 – 03:40	Vegetation studies of Kabal Valley, District Swat, Pakistan using multivariate approach (Muhammad Ilyas)
03:40 – 03:50	Influence of low temperature storage and exogenous ethylene treatment on physico-chemical fruit quality of 'sindhri' and 'Samar Bahisht Chaunsa' mangoes (M. Amin)
03:50 – 04:00	Investigation of plant based activated carbon efficiency for cr(vi) removal from wastewater (Muhammad Farhan)
04:00 – 04:10	Phytotoxicity of Parthenium (<i>Parthenium hysterophorus</i> L.) Plant parts against wheat (<i>Triticum aestivum</i> L.) And their associated weeds (Muhammad Ishfaq Khan)





04:10 – 04:20	Estimation of grass productivity and carrying capacity in the degrading rangelands of Cholistan desert (Muhammad Rafay)
04:20 – 04:30	Enhancement of phosphorus solubility from rock phosphate (Muhammad Sharif)
04:30 – 04:40	Examining relationship between environmental gradients and lesser himalyan forest vegetation of nikyal valley, azad jammu and kashmir using ordination analysis (Muhammad Shoab Amjad)
04:40 – 04:50	Spruce tree-rings growth and gilgit river flow correlation in himalayan from northern area of Pakistan (Muhammad Wahab)
04:50 – 05:00	Environmental tobacco smoke exposure of children in lahore, Pakistan (Hamid Mukhtar)
05:00 – 05:10	SSR markers associated with Proline in Drought tolerant Wheat Germplasm (Amer Jamil)
05:10 – 06:00	Poster Session

Day 3 – 29th August 2014

09:00 – 09:20	Key Note Lecture II
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TECHNICAL SESSIONI: SIMULTANEOUS BEGGINING IN THEIR RESPECTIVE HALLS

Video Conference Room (Hall 1) Day 3 – 29th August 2014

09:20 – 09:30	Wheat growth and yield response to phosphorous and biofertilizer with and without moisture stress conditions (Amanullah)
09:30 – 09:40	The combined effect of biological control with plant competition on the management of parthenium weed (<i>parthenium hysterophorus</i> l.) (Asad Shabir)
09:40 – 09:50	Effect of various levels of npk on crop growth and yield of sunflower hybrids grown under autumn seasons (Jehan Bakht)
09:50 – 10:00	Flora in fired and unfired forest in Balakot hills Hazara, Khyber Pakhtunkhwa Pakistan (Dr. Kiramat and Hassan Sher)
10:00 – 10:10	Potential distribution of endemic <i>Scutellaria medrifolia</i> ; geographic information system and statistical model approach (Habib Ahmad)
10:10 – 10:20	Molecular characterization of bacterial strains isolated from fenitrothion and diamethioate contaminated soils of district gujrat, Pakistan (Hamid Mukhtar)
10:20 – 10:30	Evaluating the threshold levels of <i>Neslia apiculata</i> in wheat and its effects on crop yield losses in swat valley of Khyber Pakhtunkhwa (Muhammad Azim Khan)
10:30 – 11:00	Tea Break
11:00 – 11:10	New records of some noteworthy mushrooms from Swat (Ishtiaq Ahmad)
11:10 – 11:20	Mycoflora and mycotoxins associated with selected dried fruits in local markets of Abbottabad (Muhammad Farooq)





11:20 – 11:30	Relationship between intrinsic water use efficiency and spot blotch (<i>Cochliobolus sativus</i>) resistance in diverse wheat germplasm (Muhammad Jamil)
11:30 – 11:40	Weeds-derived smoke solution might improve plant growth? (Muhammad Mudasar Aslam)
11:40 – 11:50	Diversity of arbuscular mycorrhizal fungi in rhizosphere of <i>Moringa oleifera</i> (Muhammad Shafiq Ch.)
11:50 – 12:00	Effect of rock phosphate and farmyard manure applied with effective microorganisms on the yield and nutrients uptake of wheat and sunflower (Muhammad Sharif)
12:00 – 12:10	Synthesis and characterization of starch-urea-borax adhesives for Coating the slow release urea (Muhammad Yasin Naz)
12:10 – 12:20	New species and host records of rust fungi (Uredinales) on ferns (Pteridophytes) from khyber pakhtunkhwa, Pakistan (N.S Afshan)
12:20 -12: 30	Two new vascellum species (Gasteroid fungi; Basidiomycetes) from Pakistan (N. Yousaf)
12:30 – 12:40	Study of antimicrobial activity of <i>Justicia californica</i> (Nabeela Shafique)
12:40 - 12: 50	Study on species diversity of rust fungi in Ushu valley, Pakistan (A. Ishaq)
12: 50 – 01:00	Nutrient management for improving rice productivity (Azhar Hussain Shah)
01:00 – 02:00	Lunch/ Prayer
02:00 – 02:10	Effect of weeds and soil amendments on nutrient uptake in rice (Nighat Sana)
02:10 – 02:20	Isolation and characterization of Fungi from stone monuments of Dharmarajika, Taxila (Muhammad Farooq)
02:20 – 02:30	Soluble salts in soil's root zone, drainage water under functional and non-functional subsurface tile drainage system (Pir Muhammad Khan)
02:30 – 02:40	Systematic study of some common plants of Balochistan (Rasool Bakht Tareen)
02:40 – 02:50	Dry matter partitioning and grain yield of wheat varieties as affected by phosphorus levels and application methods (Raees Zaman)
02:50 – 03:00	Palatability, seasonal availability and animal preference of native forage species from northern nara desert, Pakistan (Rahmatullah Qureshi)
03:00 – 03:10	Biological control of basal rot of onion by <i>trichoderma</i> and leaves of <i>Withania somnifera</i> (Roma Akhtar)
03:10 – 03:20	Morphological characterization of some metal resistant fungal species from lab cultures (Rubab Shehzadi)
03:20 – 03:30	Physiological and metabolic changes in cotton callus culture under cadmium stress (S. J Zhu)
03:30 – 03:40	In vitro evaluation of some fungicides against common fungal pathogen of early blight and fruit rot of tomatoes (Sadiq ullah)





03:40 – 03:50	Differences in leaf ion compartmentation: a possible mechanism of salt tolerance in <i>Zygophyllum propinquum</i> decne (Saeeda Abro)
03:50 – 04:00	Quantification of wheat (<i>Triticum aestivum</i> L.) Leaves contribution to grain yield through defoliation technique (Safdar Hussain)
04:00 – 04:10	Isolation, identification and characterization of forest soil bacteria, a case study from scrub forest and Himalayan moist temperate forests of pakistan. (Saima Bibi)
04:10 – 04:20	Characterization of biologically active constituents of <i>Suaeda fruticosa</i> (Samiullah)
04:20 – 04:30	Elemental analysis of plant derived smoke solutions and their effect on seed germination and plant growth (Shahid Irfan/Shakirullah Khan)
04:30 – 04:40	Isolation of pgprs from rhizospheric soil of halophytes and its impact on maize (zea mays L.) Under induced soil salinity (Samiullah)
04:40 – 04:50	Effects of plant growth regulators on physiology of seed germination and early seedling development of linseed (<i>Linum usitatissimum</i> L.) (Faizan ullah)
04:50 – 05:00	An improved protocol for acclimatization of orchids (A.A. Mirani)
05:00 – 05:10	Characterization and evaluation of nitrogen fixing bacteria from pea crop at Swabi (Abdul Waheed)
05:10 – 06:00	Concluding Session and Certificate Distribution

Geology Hall (Hall 2) (Parallel Session Day 3 – 29th August 2014)

09:20 – 09:30	Pharmacological evaluation of <i>Trigonella monspeliaca</i> collected from district bannu, kpk, Pakistan. (Mushtaq Ahmed)
09:30 – 09:40	Pilot scale volume optimization of inoculum, fermentation media and aeration rate for the production of glucose oxidase by uv mutant strain of aspergillus niger an-14 (Ali Nawaz)
09:40 – 09:50	Comparative analyses of wheat genotypes for yield and associated traits (Azhar Hussain Shah)
09:50 – 10:00	Mutagenic strain (<i>fusarium oxysporum</i>) improvement for enhanced production of extracellular lipase and its subsequent partial purification and characterization (Faizan Akram/ Tehreema Iftikhar)
10:00 – 10:10	Random mutagenesis of corynebacterium glutamicum for enhanced production of L-Lysine (Hamid Mukhtar)
10:10 – 10:20	Effect of salinity and seed priming on growth of barley (<i>Hordeum vulgare</i> L.) (Muhammad Shafi)
10:20 – 10:30	<i>Cocculus laurifolius</i> : a rich antimicrobial antioxidant and phytochemicals source (Muhammad Ajaib)
10:30 – 11:00	Tea Break
11:00 – 11:10	Stability and activation profile of alkaline protease produced from <i>Bacillus subtilis</i> (Hamid Mukhtar)
11:10 – 11:20	Bioactivity of mycotoxins isolated from a plant pathogenic fungus <i>Drechslera hawaiiensis</i> (Muhammad Akbar)





11:20 – 11:30	Prediction of grain yield losses in wheat (<i>Triticum aestivum</i> L.) Under different densities of wild oats (<i>Avena fatua</i> L.) (Muhammad Azim Khan)
11:30 – 11:40	Genetic isolation of drought tolerant for seedcotton yield in cotton genotypes by using divergent irrigation treatment regimes (Muhammad Hussain Soomro)
11:40 – 11:50	Screening of 160 japanese medicinal plants volatiles for allelopathic activity through dishpack method (Muhammad Ibrar Shinwari)
11:50 – 12:00	Effects of gibberellic acid and abscisic acid seed priming on physiological, biochemical and metabolic processes of rice under salt stress (Muhammad Jamil)
12:00 – 12:10	Potential of microbial and plant's β -glucans toward lowering of LDL and enhancing of HDL (Muhammad Mohsin Javed)
12:10 – 12:20	Evaluation of bread wheat (<i>Triticum aestivum</i> L.) Germplasm for heat tolerance (Munazza Nazir)
12:20 -12: 30	Impact of k^+ application and water availability on accumulation of compatible solutes and growth of brassica napus genotypes under greenhouse conditions (Murad Ahmed)
12:30 – 12:40	Influence of seed priming with $znso_4$ and $cuso_4$ on germination and seedling growth of brassica rapa under NACL stress (Nabil Begum/ Zafar Iqbal)
12:40 - 12: 50	Light and scanning electron microscopy of some species of genus <i>Solanum</i> (Solanaceae) with special reference to the importance of trichomes. (Nabila Shah Jilani)
12: 50 – 01:00	Comparative study of phytochemicals and antioxidant activities of garcinia hombroniana and garcinia mangostana (Nargis Jamila)
01:00 – 02:00	Lunch/ Prayer
02:00 – 02:10	Effect of heavy metal and edta application on plant growth and phyto-extraction potential of sorghum (<i>Sorghum bicolor</i> L.) (Nafees Bacha)
02:10 – 02:20	In vitro propagation of morchella esculenta and study of its life cycle (<i>Nazish Kanwal</i>)
02:20 – 02:30	Effect of γ -irradiation on the volatile flavor profile of fennel (<i>Foeniculum vulgare</i> Mill.) From Pakistan (Kyong su Kim)
02:30 – 02:40	Radiofrequency radiations induced genotoxic and carcinogenic effects in chickpea (<i>Cicer arietinum</i> L.) Root tip cells (Sadaf Tabasum Qureshi)
02:40 – 02:50	Genetic variability and correlation studies for some yield and yield contributing traits in Fennel (<i>Foeniculum vulgare</i>) (Sajjad Hussain)
02:50 – 03:00	A study on DNA protective ability of peels of different citrus species (Nehrish Nisar)
03:00 – 03:10	Molecular phylogeny of Boletes: <i>Boletus luridiformis</i> and <i>Xerocomellus rubellus</i> from different coniferous forests of Pakistan (Samina Srwar)
03:10 – 03:20	Molecular phylogeny and morphological characterization of <i>Russula livescens</i> and its ectomycorrhizae from mixed coniferous forests of pakistan (Sana Jabeen)
03:20 – 03:30	Ethylenediurea (edu) - induced changes in two canola cultivars differing in air pollution tolerance (Shakil Ahmed)
03:30 – 03:40	Hyperdiverse ectomycorrhizal fungal communities associated with alnus nitida (betulaceae) in himalayan forests of galyat, Pakistan (Sobia Ilyas)





03:40 – 03:50	Isolation of myo-inositol and α -d-glucose-sodium chloride-water complex and biological activities of different fractions of <i>incarvillea emodi</i> (wall. Ex lindl.) Chatterjee (Uzma Khan)
03:50 – 04:00	Isolation and characterization of arsenic resistant bacteria and their role in bioremediation (Wageha Talib)
04:00 – 04:10	Effect of sowing dates and seed rates on the agro-physiological traits of wheat (Wajid Ali Khattak)
04:10 – 04:20	<i>Physalis ixocarpa</i> : a new specie of genus <i>physalis</i> from mountainous region of district shangla, kpk Pakistan (Wajid Khan)
04:20 – 04:30	Growth traits of wheat (<i>Triticum aestivum</i> L.) Genotypes as affected by seed priming and salinity (Yousaf Jamal)
04:30 – 04:40	Analysis of potato varieties for their genetic diversity using randomly Amplified polymorphic DNA primers (Zamarud Shah)
04:40 – 04:50	Altitudinal variation in stem density of <i>Pinus gerardiana</i> in Sheringal valley (Adnan Ahmad)
04:50 – 05:00	Taxonomic study of some mushrooms of changa manga plantation based on morphological and molecular characterization (A.R. Niazi)
05:00 – 05:10	An overview of insecticidal activity of plants extracts (Farzana Parveen)
05:10 – 06:00	Concluding Session and Certificate Distribution

SHARC HALL (HALL No. 3) (Parallel Session Day 3 – 29th August 2014)

09:20 – 09:30	Anti -rheumatic potential of medicinal plants in Pakistan (Mustafa Kamal)
09:30 – 09:40	Folk remedies practiced in isolated area of Hindukush Range Maidan valley District Dir (L) Pakistan (Asadullah)
09:40 – 09:50	Floristic composition and biological spectrum of the vegetation of Nikyal valley, District Kotli Azad jammu and Kashmir (Muhammad Shoaib Amjad)
09:50 – 10:00	The root growth response of a c_3 invasive weed and c_3/c_4 pasture plants under enriched atmospheric co_2 level (Naeem Khan)
10:00 – 10:10	<i>Dichrostachyoxydon chinjiensis</i> sp. Nov., a new fossil Species of the family fabaceae from chinji formation, salt range, punjab, Pakistan (Noor ul Ain Soomro)
10:10 – 10:20	Study of buckwheat (<i>Fagopyrum esculentum</i>) as an antioxidant (Rabia Abbasi)
10:20 – 10:30	Medicinal uses of trees and shrubs by the inhabitants of northern nara desert, Pakistan (Rahmatullah Qureshi)
10:30 – 11:00	Tea Break
11:00 – 11:10	Role of <i>Azadiractha indica</i> and <i>Chrysanthium cariantum</i> leaf extract as protectants against <i>tribolium castaneum</i> on stored grains of wheat (Rehana Bibi)
11:10 – 11:20	Biological screening of polarity based extracts of leaves, seeds and seed oil of <i>Sisymbrium irio</i> L (<i>Zia ur Rahman Mashwani</i>)





11:20 – 11:30	Evaluation of the conservation status of rhododendron <i>Afghanicum</i> Aitch. & Hemsl. (Said Muhammad)
11:30 – 11:40	Anti diabetic and antioxidant potential of <i>pandanus tectorius</i> (Salma Sundus)
11:40 – 11:50	Threat of the alien invasive species of District Nowshera, Khyber Pakhtunkhwa, Pakistan (Sajjad Ali)
11:50 – 12:00	First Report on Fungi Associated with Postharvest Quality Deterioration of <i>Fragaria Xannasa</i> (Strawberry) at Green Markets of Lahore (Salik Nawaz Khan)
12:00 – 12:10	Effect of foliar nutrients application on growth of chickpea (<i>Cicer arietinum</i> L.) In nutrient deficient soil (Zafar Iqbal)
12:10 – 12:20	Biological screening of polarity based extracts of leaves, seeds and seed oil of <i>Sisymbrium irio</i> L (Shabnam Bibi/ Zia Ur Rehman)
12:20 -12: 30	Study of the medicinal plants used by the local community of area Koh Chitral, Khyber Pakhtukhwa, Pakistan (Sher Wali)
12:30 – 12:40	A taxonomic and phylogenetic study of polyporales (basidiomycota) of malakand region, khyber pakhtunkhwa, Pakistan (Shah Hussain)
12:40 - 12: 50	Response of maize cultivars to phosphorus and zinc nutrition (Shahen Shah)
12: 50 – 01:00	Effect of intercropping on root rot disease and agronomic performance of groundnut (Shakil Ahmad)
01:00 – 02:00	Lunch/ Prayer
02:00 – 02:10	Influence of phosphorus levels and application methods on yield and yield components of wheat. (Shazma A)
02:10 – 02:20	Threat of the alien invasive species of District Nowshera, Khyber Pakhtunkhwa, Pakistan (Sher Wali)
02:20 – 02:30	Study wheat plant Resistance, Through A Novel Technique; Direct Current Electrical Penetration Graph (DC-EPG) (Shah Alam Khan)
02:30 – 02:40	Medicinal plants of turmic valley (central karakoram national park), Gilgit-Baltistan, Pakistan (Sher Wali Khan)
02:40 – 02:50	Ordinal classification of riparian vegetation along Mangla Dam (Shiekh Saeed Ahmad)
02:50 – 03:00	Correlating plants importance values with its use value to assess anthropogenic pressures on vegetation of the western Himalayas; method development (Shuja UI Mulk)
03:00 – 03:10	Distribution and Incidence of charcoal rot of <i>Sesamum indicum</i> L. (Sesame) in Punjab, Pakistan (Shumaila farooq /Salik Nawaz Khan)
03:10 – 03:20	<i>Soliva pterosperma</i> (Juss.) Less. An addition to the flora of Pakistan (Siraj Ud Din)
03:20 – 03:30	Floristic composition, biological spectrum and phenology of vegetation of Tehsil Havelian, Abbottabad, Pakistan (Summaira Shaheen)
03:30 – 03:40	New records of Lepiotaceous fungi from Lahore, pakistan (Tayyaba Qasim)





03:40 – 03:50	Pathogenicity test of different fungi on date palm seedlings causing sudden decline disease of date palm (<i>Phoenix dactylifera</i> L.) In khairpur, pakistan. (Wazir Ali Maitlo)
03:50 – 04:00	Effects of irrigation and fertilizer management on tomato growth, nutrient absorption and utilization in greenhouse (Xing Ying Ying)
04:00 – 04:10	Genetic variations within and among date palm (<i>Phoenix dactylifera</i> L.) Accessions from Pakistan (Zafar Iqbal)
04:10 – 04:20	Foliar micromorphology as an aid in taxonomy of <i>Salvia</i> L. (Lamiaceae) species from central punjab, Pakistan (Sana Hussain)
04:20 – 04:30	Medicinal and edible plants used by balti community of the Tormik valley in Baltistan, Karakoram range of mountains (Zaheer Abbas)
04:30 – 04:40	Nutraceutical assessment and evaluation of antioxidant activity of wild vegetable <i>Rumex hestatus</i> (Polygonaceae) (Zia-ur-rehman mashwani)
04:40 – 04:50	Stone dust exposure risk on stone crushing workers and three different plant species in the vicinity of stone crushers (Saadullah Leghari)
04:50 – 05:00	Evaluation of varietal diversity of date palm in Sindh, Pakistan (Abdul qayoom mahar)
05:00 – 06:00	Concluding Session and Certificate Distribution

Pharmacy Hall (Hall No. 4) (Parallel Session Day 3 – 29th August 2014)

09:20 – 09:30	Exploring germinating potential of tree species in domestic wastewater for use in urban forestry (Amina Kanwal)
09:30 – 09:40	Screening of pakistani wheat (<i>Triticum aestivum</i> L.) Varieties for Thermotolerance against heat shocks (Farhat Yasmeen)
09:40 – 09:50	Biodiversity conservation in urban environment: the case of ayer hitam forest, Malaysia (Faridah Hanum)
09:50 – 10:00	Natural plant based solution for industrial wastewater (Amina Kanwal)
10:00 – 10:10	Soil carbon sequestration along an altitudinal gradient in different land use categories in lesser Himalayan foot hills (Hamayun Shaheen)
10:10 – 10:20	Performance of different wheat cultivars in different methods of sowing under the agro ecological conditions of Dera Ghazi Khan (Muhammad Ahmad)
10:20 – 10:30	Nutrient regime for management of groundnut rootrot in Punjab, Pakitan (Shakil Ahmad)
10:30 – 11:00	Tea Break
11:00 – 11:10	Pytosociological studies in wheat fields of District Charsadda, Khyber Pakhtunkhwa province, Pakistan (Fawad Ali/ Gul Hassan)
11:10 – 11:20	Effect of Sodium Salt (NaCl) on Phytoremediation of Cadmium (Cd) Contaminated Water and Soil by Selected Plant Species (Fazal Hadi)





11:20 – 11:30	Seaweed bio-fertilizer for the management of root rotting fungi and root knot nematode affecting cotton crop (Syed Ehtesham ul haq)
11:30 – 11:40	Field evaluation of eight balochistani date palm (<i>Phoenix dactylifera</i> L.) Cultivars under agro-climatic conditions of khairpur, Sindh (Nazir Ahmed Soomro)
11:40 – 11:50	Agronomic performance of some exotic varieties of canola (<i>Brassica napus</i> L.) In climatic conditions of Bahawalpur (an arid agriculture zone) (Nida Ashraf)
11:50 – 12:00	Biomimetic and Greenly synthesized silver mediated nanoparticles of <i>Euphorbia wallichii</i> Hook. With Antioxidant and Cytotoxic Efficacy (Rehmanullah)
12:00 – 12:10	Assessment of seasonal variation in nutritional quality of major forage species in rangelands of Dhurnal, Chakwal (Sadaf Siddique)
12:10 – 12:20	Effect of fluorides on air, water, soil and vegetation in peripheral areas of brick kiln of Rawalpindi (Saira Mansab)
12:20 -12: 30	Response of maize to phosphorus, foliar application of zinc and its time of application (Shahen Shah/ Mohd Amin)
12:30 – 12:40	Evaluation of Pakistani wheat landraces for stripe rust resistance and yield contributing traits (Zahid Mahmood)
12:40 - 12: 50	Effect of plant-derived smoke extracts on pollen germination and pollen tube length of different plants (Shakirullah Khan)
12: 50 – 01:00	Heavy metal load assessment of peri-urban agricultural areas of Punjab and their toxicological implications (Shazia Akhtar)
01:00 – 02:00	Lunch/ Prayer
02:00 – 02:10	Effect of chromogenic bacteria on plant growth alone or in combination with plant derived smoke (Muhammad Anees)
02:10 – 02:20	An investigation into the effects of tropospheric ozone on bean plants (Sofia Khalid)
02:20 – 02:30	In-vitro antibacterial study of <i>Taraxacum officinale</i> leaves extracts against different bacterial pathogenic strains (Sohail)
02:30 – 02:40	In-vitro assessment of contaminated soil of Gujranwala and Lahore by local plants through uptake and accumulation of toxic metals (Shazia Akhtar)
02:40 – 02:50	Floristic studies of phanerogame of district shangla, Pakistan (Sultan ud din/ Haider Ali)
02:50 – 03:00	Incidence of Myrothecium Leaf Spot of <i>Momordica charantia</i> L. in Agroecological Zones of Punjab, Pakistan (Sumera Naz)
03:00 – 03:10	Simultaneous effects of charcoal rot pathogen and copper on seed and seedling growth of <i>vigna mungo</i> L (Sundus Akhtar)
03:10 – 03:20	Impact of mycorrhizospheric fluorescent pseudomonas on root rot disease of sunflower and population of va mycorrhizae (Syed Ehtesham ul Haq)
03:20 – 03:30	Ecology of grasslands in denizli, türkiye (Munir Ozturk)
03:30 – 03:40	Management of <i>Macrophomina phaseolina</i> by extracts of an allelopathic grass <i>Imperata cylindrical</i> (Syeda Fakeha Naqvi)





03:40 – 03:50	Evaluation of foliar rust disease severity of wheat and pathological assessment of different rust pathogens isolated from rainfed areas of punjab, Pakistan (Syeda Qamar Batool)
03:50 – 04:00	Effect of rhizobium, VAM and rock phosphate inoculation on <i>Desmodium adscendens</i> (Tabassum Yaseen)
04:00 – 04:10	Use of distance-statistics for the disease mapping of the foliar rust disease on wheat crop in Chakwal District-Pakistan (Taiba Afreen)
04:10 – 04:20	Assessment of genetic diversity and trait association under yellow rust pressure in elite bread wheat yield trial (EBWYT) (Zahid Mahmood)
04:20 – 04:30	Heterosis and heterobeltiosis studies for grain yield and its related traits in different wheat crosses (Shahzadi Mahpara)
04:30 – 04:40	Phytogeographic analysis and diversity of the grasses and sedges (poales) of northern Pakistan (Zahid Ullah)
04:40 – 04:50	Cultural uses of plants among basikhel tribe of district Tor ghar, khyber pakhtunkhwa, Pakistan (Abbas Hssain Shah)
04:50 – 05:00	Effect of cadmium toxicity on the growth and productivity parameters of <i>Trigonella foenum granceum</i> Linn. (Abdul Ghani)
05:00 – 06:00	Concluding Session and Certificate Distribution

