



12th National and 3rd International Conference of Botany

(1st – 3rd September 2012)

at

Quaid-i-Azam University, Islamabad, Pakistan

Tentative Conference Program

Organized By:

Pakistan Botanical Society (PBS)

Quaid-i-Azam University, Islamabad, Pakistan





Day 1 – 1st September 2012

8:30 – 9:30	Participants registration
Inaugural Session (Earth Science Auditorium)	
9:30 – 9:45	Guests to be seated / Arrival of the Chief Guest
9:45 – 9:50	Recitation from the Holy Quran
9:50 – 9:55	Welcome Address
9:55 – 10:00	History & Background of Botanical Society/ Logistics of 12 th National and 3 rd International Conference of Botany
10:00 – 10:20	Address by VC
10:20-10:30	Presentation of Life Time Achievement Awards
10:30 – 10:45	Address by Honorable Chief Guest
10:45-10:50	Vote of Thanks
10:50 – 11:15	Tea Break
11:15 –12:00	Key Note Lectures (Earth Sciences Auditorium)

TECHNICAL SESSION-I: ALL THE FIVE FOCAL THEMES IN THEIR RESPECTIVE HALLS

Theme 1: Plant Physiology / Stress Physiology / Microbial Interactions (Plant Physiology) (Earth Science Auditorium) (Parallel Session – Day 1)

12:00 – 12:15	Oil yield, fatty acid profile, seed yield and yield attributes of sunflower as influenced by autumn planting conditions in Islamabad – by Sami Ullah Khan
12:15 – 12:30	Morpho-physiological evaluation of groundnut (<i>Arachis hypogaea</i> L.) genotypes for iron deficiency tolerance – by Shamim Akhtar
12:30 – 12:45	Chemical composition and sensory evaluation of tea (<i>Camellia Sinensis</i>) commercialized in Pakistan – by Imran Hayat
12:45 – 1:00	Effect of plant derived smoke solution on adventitious roots of <i>Ipomoea marguerite</i> , <i>Epipremnum pinnatum</i> and <i>Rosa indica</i> in comparison with auxin





	(indol-3-butyric acid) – by Ghazala Nawaz
1:00 – 1:15	Study of Phytochemical Constituents from <i>Ricinus communis</i> Linn. Roots and Their Effect on Different Strains of Bacteria and Fungi – by Hira Kalim
1:15– 1:30	<i>Agrobacterium tumefaciens</i> mediated optimization of transformation in <i>Eucalyptus camaldulensis</i> – Ammara Ahad
1:30 – 1:45	Physiological Responses and Drought Resistance Index of Nine Wheat (<i>Triticum aestivum</i> L.) Cultivars under Different Moisture Conditions – by Abdul Qayyum
1:45 – 2:00	Physio-morphological responses of native <i>Acacia nilotica</i> to <i>Eucalyptus allelopathy</i> – F.A. Bughio
2:00 – 2:30	Lunch & Prayer Break

Theme 2: Plant Biotechnology / Biochemistry / Bioinformatics (Biology Auditorium) (Parallel Session – Day 1)

12:00 – 12:15	Selection of Transgenic Cells/Explants using Na^+/H^+ antiporter gene as a selectable marker – A sustainable approach. By Zahid Ali
12:15 – 12:30	Factors affecting <i>Agrobacterium tumefaciens</i> mediated genetic transformation of Soybean cultivar NARC-7. By Neelam Taj
12:30 – 12:45	Transgenic Tobacco with rice fae gene shows enhanced resistance to drought stress. By Khizar Hayat Bhatti
12:45 – 1:00	Integration of novel chlorophyll genes from black pine into the chloroplast genome of Tobacco. By Shahid Nazir
1:00 – 1:15	Molecular cloning and characterization of ARF1 and COPI coat proteins from <i>Medicago truncatula</i> cv. Jemalong. By Holger Densow
1:15– 1:30	Evaluation of tissue culture responses of promising wheat (<i>Triticum aestivum</i> L.) Cultivars and development of efficient regeneration system. By Imran Mahmood
1:30 – 1:45	Comparative Artemisinin analysis in <i>Artemisia annua</i> and <i>Artemisia dubia</i> transformed with two different <i>Agrobacteria</i> harbouring <i>rol</i> ABC genes. By Bushra Hafeez Kiani
1:45 – 2:00	Optimization of quantitative real-time PCR analysis for reliable detection and quantification of <i>Fusarium oxysporum</i> in wheat. By M. Farooq Hussain Munis
2:00 – 2:30	Lunch & Prayer Break





Theme 3: Plant Taxonomy / Ethnobotany

(Defence & Strategic Studies Auditorium) (Plant Taxonomy – Day 1)

12:00 – 12:15	Phylogeny of <i>Carex</i> L. (Cyperaceae) from Pakistan based on <i>matK</i> gene sequence variation. By Zahid Ullah
12:15 – 12:30	<i>Tetrapogon cenchrifomis</i> and <i>Parapholis strigosa</i> , (Poaceae), two new reports from Pakistan. By Dr. Farooq Ahmad
12:30 – 12:45	A New Species of <i>Catenulostroma</i> on <i>Azadirachta indica</i> from Pakistan. By Dr. Tehreema Iftikhar
12:45 – 1:00	Systematic Identification of genus <i>Brachiaria</i> on the basis of vegetative and floral morpho-palynological markers (LM & SEM). By Dr. Shabnum Shaheen
1:00 – 1:15	Floristic account of emergent-aquatic and marshland angiosperms of D.I. Khan District, KPK, Pakistan. By Dr. Sarfaraz Khan Marwat
1:15– 1:30	Taxonomic and phytochemical authentication of herbal drug Barg - e- Henna (<i>Lawsonia innermis</i>): A multiuse medicinal plant. By Dr. Shazia Sultana
1:30 – 1:45	Invited speaker
1:45 – 2:00	Invited speaker
2:00 – 2:30	Lunch & Prayer Break

Theme 4: Plants and Environment

(International Relations Auditorium) (Parallel Session – Day 1)

12:00 – 12:15	Phosphate Solubilizing Bacteria Associated With Vegetables Roots In Different Ecologies. By Alia
12:15 – 12:30	Life form diversity in vegetation of the Cholistan desert. By Amir Muhammad Khan
12:30 – 12:45	Study of Pollutants (Toxic/Heavy metals) in some edible fruits of Quetta. By Amna Bano
12:45 – 1:00	Green mold as a potential scavenger of CR(vi). By Amna Shoaib
1:00 – 1:15	Pytosociological studies of the vegetation of sarsawa hills district Kolti, Azad Kashmir. By Ashfaq Nazir
1:15– 1:30	An Appraisal Of Ecological Distribution Of Herbaceous Flora At Gatwala Forest Park (GFP), Faisalabad, Pakistan. By Beenish Malik
1:30 – 1:45	Use of bioremediated sewage effluent for fish survival. By Kanwal Waqar
1:45 – 2:00	The Potential of <i>Chlorella vulgaris</i> for Wastewater Treatment and Biodiesel Production. By Farooq Ahmad
2:00 – 2:30	Lunch & Prayer Break





Theme 5: Agriculture Agronomy, Horticulture, Plant Breeding & Genetics

(Chemistry Auditorium) (Parallel Session – Day 1)

12:00 – 12:15	Effect of nitrogen fertilizer on the yield of Mungbean cultivars under the agroclimatic conditions of Quetta. by Abdul Kabir Khan
12:15 – 12:30	Callogenesis and embryogenesis in orchid (<i>Dendrobium sabin</i> H.) under different levels of growth regulators. By Akbar Ali Bhatti
12:30 – 12:45	Management of black scurf of potato with effective microbes, biological potassium fertilizer (bpf), and <i>Trichoderma harzianum</i> . by Farah Naz
12:45 – 1:00	Leaf rust resistance in semidwarf wheat cultivars: a conspectus of post green revolution period in Pakistan. By Ghulam Mustafa
1:00 – 1:15	Field evaluation of three Saudi Arabian date palm varieties (Ajwa, Safawi and Ruthana) at Khairpur, Pakistan. By Ghulam Sarwar Markhand
1:15– 1:30	Identification and characterization of post harvest fungal pathogens of mango from domestic markets of Punjab. By Hamd Meer
1:30 – 1:45	Effect of pruning on sex expression and its relation with phytohormones content in monoecious cucumber. By Hidayatullah
1:45 – 2:00	Line × tester analysis for grain yield and yield related traits in maize variety Sarhad white. By Hidayat ur Rahman
2:00 – 2:30	Lunch & Prayer Break

TECHNICAL SESSION-II: ALL FIVE THEMES IN THEIR RESPECTIVE HALLS

Theme 1: Plant Physiology / Stress Physiology / Microbial Interactions

(Stress Physiology)

(Earth Sciences Auditorium) (Parallel Session – Day 1)

2:40– 2:55	Interactive effect of foliar application of nitric oxide (NO) and salinity on wheat (<i>Triticum aestivum</i> L.) – By Farhana Kausar
2:55 – 3:10	Gas Exchange Attributes Can Be Valuable Selection Criteria For Salinity Tolerance In Canola Cultivars (<i>Brassica napus</i> L.) – By Erum Mukhtar
3:10 – 3:25	Higher Antioxidant Capacity Protects Photosynthetic Activities As Revealed By Chl A Fluorescence In Drought Tolerant Tomato Genotypes – By Fakhra Shamim
3:25 – 3:40	Salicylic acid induced salinity tolerance in Maize (<i>Zea Mays</i>) – By Aasma Tufail
3:40 – 3:55	Performance of summer forage legumes and their residual effect on subsequent oat crop in subtropical subhumid Pothwar - Imtiaz Qamar





3:55 – 4:10	Proline accumulation in bread wheat (<i>Triticum aestivum</i> L.) Under different environmental conditions – By Fayyaz-ul-Hassan
4:10 – 4:25	Effect of plant extracted smoke and reversion of abscisic acid stress on lettuce – By Muhammad Kamran
4:25 – 4:40	Evaluating plant water-use efficiency and yield of coarse rice advance lines/varieties for soil with limited moisture content – By Muhammad Saleem
4:40 – 6:40	Poster Session Plant Physiology / Stress Physiology / Microbial Interactions & Plant Taxonomy / Ethnobotany

Theme 2: Plant Biotechnology / Biochemistry / Bioinformatics

(Biology Auditorium) (Parallel Session – Day 1)

2:40– 2:55	Proteomic and transcriptomic approach to explore the molecular basis of adaptation of <i>Agave americana</i> to heat stress. By Samina Shakeel
2:55 – 3:10	Profiling the Carrot (<i>Daucus carota</i>) micrnas and their targets. By Muhammad Younas Khan Barozai
3:10 – 3:25	Leaf proteome analysis of <i>Clematis chinensis</i> : a traditional chinese medicine (TCM) by two-dimensional electrophoresis technique. By Muhammad Ishtiaq Ch
3:25 – 3:40	In silico prediction of regulatory elements and corresponding protein DNA interactions in plant promoters. By Madiha Tanveer
3:40 – 3:55	Bacaterial biofilm formation inhibition by blocking flagellar assembly, By Iram Liaqat
3:55 – 4:10	Ascorbate - a regulator of high light induced anthocyanin accumulation. By Uzma
4:10 – 4:25	
4:25 – 4:40	
4:40 – 6:40	Poster Session Plant Physiology / Stress Physiology / Microbial Interactions & Plant Taxonomy / Ethnobotany





Theme 3: Plant Taxonomy / Ethnobotany

(Defence & Strategic Studies Auditorium) (Medicinal Plants – Day 1)

2:40– 2:55	Antioxidant potential of root bark of <i>Berberis lyceum</i> Royle. From western Himalaya Pakistan. By Zia Ur Rehman Mashwani
2:55 – 3:10	<i>In vitro</i> and <i>In vivo</i> anthelmintic activity of <i>Ferula costata</i> (Kor.) Against gastrointestinal nematodes of sheep. By Dr. Siraj Ahmed Kakar
3:10 – 3:25	Wild edible plants sold in the local markets of Izmir. By Yunus Dogan.
3:25 – 3:40	Phytotherapy among the rural women of district Abbottabad. By Dr. Ghulam Mujtaba Shah.
3:40 – 3:55	An overview of the atmospheric pollen in Turkey and the Northern Cyprus. By Dr. Munir Ozturk.
3:55 – 4:10	Indigenous phyto-remedies practiced to cure feminine diseases in tribal communities of Kashmir Himalayas. By Dr. Hamayun Shaheen
4:10 – 4:25	
4:25 – 4:40	
4:40 – 6:40	Poster Session Plant Physiology / Stress Physiology / Microbial Interactions & Plant Taxonomy / Ethnobotany

Theme 4: Plants and Environment

(International Relations Auditorium) (Parallel Session – Day 1)

2:40– 2:55	Effect of ACC deaminase containing bacteria on growth of wheat seedlings applied with chromium contaminated water. By Iram Shahzadi
2:55 – 3:10	Therapeutic horticulture: influencing psychological responses of surgical patients and their environmental assessment scale. By Muhammad Ali Khan
3:10 – 3:25	Synthesis of activated carbon from tree sawdust and its usage for diminution of color and cod of paper-mill effluents. By Muhammad Farhan
3:25 – 3:40	Accumulation of heavy metals by in vitro cultures of plants. By Shazia Iftikhar
3:40 – 3:55	<i>Diplotaxis tenuifolia</i> L. (dc) as a biomonitor of heavy metal pollution alongside the roads in Turkey. By Munir ozturk
3:55 – 4:10	Antioxidant and Antimicrobial Activities of an Ethnobotanically Important Plant <i>Helinus lanceolatus</i> Wall. ex Brandis of District Kotli, Azad Jammu & Kashmir. By Nazish Javaid
4:10 – 4:25	Effect of particulate matter on leaf pigment contents, stomata and leaf area of selected roadside plant species of Sialkot. By Noshin Arif
4:25 – 4:40	Bacterial expression, purification and partial characterization of new recombinant cysteine protease from maize leaves: post-transcriptional changes under ozone stress. By Rafiq Ahmad
4:40 – 6:40	Poster Session Plant Physiology / Stress Physiology / Microbial Interactions & Plant Taxonomy / Ethnobotany





Theme 5: Agriculture Agronomy, Horticulture, Plant Breeding & Genetics

(Chemistry Auditorium) (Parallel Session – Day 1)

2:40– 2:55	Molecular characterization of olive germplasm. By Ihsan Ullah
2:55 – 3:10	Analysis of soil microbial biomass dynamics in rainfed wheat fields in arid zone of Pakistan. By Israr Asghar
3:10 – 3:25	Tissue culture responses of some wheat (<i>triticum aestivum</i> L.) cultivars grown in Pakistan. By Khalid Mehmood
3:25 – 3:40	Glu-d ¹ allelic variation in synthetic hexaploid wheats derived from durum cultivar 'decoy' × <i>Aegilops tauschii</i> accessional crosses. By Madeeha Khalid
3:40 – 3:55	Effect of pollen sources and ploidy levels on doubled haploid production in wheat. By Makhdoom Hussain
3:55 – 4:10	Developing protocol for genetic transformation of grapes (<i>Vitis vinefera</i>) King's Ruby C.V. Maqsood Ahmed
4:10 – 4:25	Therapeutic Horticulture: Influencing Psychological Responses of Surgical Patients and Their Environmental Assessment Scale. By Muhammad Ali Khan
4:25 – 4:40	Forage yield as affected by common vetch in different seeding ratios with winter cereals in pothowar. By Muhammad Asad Mukhtar
4:40 – 6:40	Poster Session Plant Physiology / Stress Physiology / Microbial Interactions & Plant Taxonomy / Ethnobotany
	End of the Day I

Day 2 – September 2nd, 2012

8:45-9:15 Key Note Lecture II

(Earth Sciences Auditorium)

8: 45 – 10:00	Key Note Lectures
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TECHNICAL SESSION III: SIMULTANEOUS BEGGINING OF ALL THE FIVE FOCAL THEMES IN THEIR RESPECTIVE HALLS

Theme 1: Plant Physiology / Stress Physiology / Microbial Interactions

(Stress Physiology / Plant Pathology)

(Earth Science Auditorium) (Parallel Session – Day 2)

10:00 – 10:15	Shoot to root ratio differ in warm season C ₄ -cereals in response to plants competition under low and high water levels - By Amanullah
10:15– 10:30	QTLs mapping of drought tolerance at germination stage in a wheat population derived from synthetic hexaploid and opata – Armghan Shahzad
10:30– 10:45	Comparing salinity tolerance of five high yielding, non-aromatic rice (<i>Oryza sativa</i> L.) Cultivars of Sindh – G.S. Channa
10:45 – 11:00	Influence of drought applied at different growth stages on the yield and qualitative traits in maize – Saba Anwar





11:00 – 11:15	Differential growth and photosynthetic responses but similar pattern of metal accumulation in sunflower (<i>Helianthus annuus</i> L.) cultivars at elevated level of lead and mercury – By Seema Mahmood
11:15 – 11:30	<i>In vitro</i> development and improvement of chromium (vi) affected adventitious roots of <i>Solanum tuberosum</i> L. with GA ₃ and IAA application –By Jaffar Ali
11:30 – 11:45	Effect of <i>Azospirillum</i> inoculation on maize under drought stress – Qudsia Bano
11:45 – 12:00	The effects of humic acid on the growth and quality of maize fodder under organic management – By Ihsanullah Daur
12:00 – 12:30	Tea Break
12:30 – 12:45	Phenylalanine ammonia-lyase and peroxidase activity in brown rust infected tissues of Pakistani wheat cultivars – By Adnan Riaz
12:45 – 1:00	Chemical Control of Sudden Decline Disease of Date Palm (<i>Phoenix dactylifera</i> L.) in Sindh, Pakistan – By Wazir Ali Maitlo
1:00 – 1:15	Chitinolytic activity of indigenous <i>Trichoderma</i> spp. against different fungal phytopathogens – By Shahzad Munir
1:15 – 1:30	Antimicrobial potentials of fresh <i>Allium cepa</i> against gram positive and gram negative bacteria and fungi – By Jehan Bakht
1:30 – 1:45	Presence of bioactive compound in <i>lepidium sativum</i> L. Exudates: role in allelopathy – By Amjad Iqbal
1:45 – 2:00	
2:00 – 2:30	Lunch & Prayer Break

Theme 2: Plant Biotechnology / Biochemistry / Bioinformatics
(Biology Auditorium) (Parallel Session – Day 2)

10:00 – 10:15	Analysis of Pakistani Rice genome polymorphism by using RAPD PCR. By S. Rani S. Rani
10:15– 10:30	Alternate resistance gene against yellow rust in wheat. By Shahzadi Faiza Safdar
10:30– 10:45	Comparative assessment of glutenin composition and their relationship with grain quality traits in bread wheat germplasm. By Ahmad Ali
10:45 – 11:00	Estimation of genetic diversity among the transgenic cotton cultivars. By Hassan Abbas
11:00 – 11:15	Molecular mapping of stripe rust resistance gene <i>yr57</i> in wheat line shaannong78. By muhammad azeem asad
11:15 – 11:30	Development and Characterization of Barley Core Collection: A Strategy for Germplasm Management. By Rehan Naeem
11:30 – 11:45	Genetic divergence among Pakistani bread wheat varieties and advanced lines





	for randomly amplified polymorphic DNA (RAPD) markers. By Raheela Rehman
11:45 – 12:00	Development of putative molecular markers to trace durable rust resistance genes in wheat breeding stocks. By Maryum Zeb
12:00 – 12: 30	Tea Break
12:30 – 12:45	Quantitative trait loci mapping of drought tolerance at germination stage in bread wheat. By Armghan Shahzad
12:45 – 1:00	Genetic fingerprinting of local turmeric genotypes using RAPD. By Siffatullah Khan
1:00 – 1:15	Amplification and sequencing of internal transcribed regions 1& 2, and 5.8S rDNA from local isolates of Fusarium species. By Kanwal Batool
1:15 – 1:30	BAC derived new SSRs for use in cotton improvement. By Nabila Tabbassum
1:30 – 1: 45	Assessment of genetic relationship among wheat genotypes by rust resistant markers and bioinformatics tools. Tehsin Gulzar
1:45 – 2:00	Molecular identification and comparative analysis of novel <i>18S ribosomal RNA</i> genomic sequences of wide range of wild medicinal plants. By Sadia Banaras
2:00 – 2:30	Lunch & Prayer Break

Theme 3: Plant Taxonomy / Ethnobotany
(Defence & Strategic Studies Auditorium) (Biodiversity & Conservation) Parallel Session – Day 2)

10:00 – 10:15	Phyto-climatic gradient of vegetation and habitat specificity in the high elevation Western Himalayas. By Dr. Shujaul Mulk Khan
10:15– 10:30	Conservation status of traded medicinal plants of Beha valley Swat – Pakistan. Dr. Muhammad Ibrar Shinwari
10:30– 10:45	Linking plant biodiversity with conservation and livelihoodhood improvement in inhabitants in Kalash valley, Chitral Pakistan. Asad By Asad Ullah
10:45 – 11:00	Ethnobotany and conservation status of floral diversity of Himalayan range of Azad Jammu and Kashmir – Pakistan. By Abida Bano
11:00 – 11:15	Floristic diversity and vegetation distribution in the Siren river catchment Pakistan. By Dr. Habib Ahmad
11:15 – 11:30	Role of indigenous knowledge in biodiversity conservation of an area: A case study on tree ethnobotany of Soona Valley, District Bhimber Azad Kashmir, Pakistan. By Muhammad Ishtiaq Ch.
11:30 – 11:45	Palynological diversity of Echinops in the tribe Cardueae (Astereae) from Pakistan. By Akbar Ali Meo
11:45 – 12:00	Ethno-medicinal assessment of some selected wild edible fruits and vegetables of Lesser-Himalayas, Pakistan. By Arshad Mehmood Abbasi





12:00 – 12: 30	Tea Break
12:30 – 12:45	Flora Of Khanpur dam, Punjab, Pakistan. By Dr. Rahmatullah Qureshi
12:45 – 1:00	Ethnomedicinal plants used for gastrointestinal ailments by the rural communities of Kaghan valley, Mansehra, Pakistan. By Dr. Zafar Jamal
1:00 – 1:15	Ethnobotanical studies and conservation status of trees of district Abbottabad, Pakistan. By Dr. Humaira Saeed
1:15 – 1:30	An ethnobotanical study of district Mastung, Balochistan, Pakistan. By Dr. Tahira Mengal
1:30 – 1: 45	Women indigenous knowledge about medicinal plants of Kuchlak area district Quetta, Balochistan, Pakistan. By Dr. Niaz Muhammad Tareen
1:45 – 2:00	Floral inventory and ethnobotanical study of Naltar valley, Gilgit district, Pakistan. By Dr. Qamar Abbass
2:00 – 2:30	Lunch & Prayer Break

Theme 4: Plants and Environment
(International Relations Auditorium) (Parallel Session – Day 2)

10:00 – 10:15	Effect of air pollution on the leaf morphology of common plant species of Quetta city. By Saadullah Khan Leghari
10:15– 10:30	Toxicity and bioaccumulation of heavy metals in spinach seedlings grown on freshly contaminated soil. By Sardar Khan
10:30– 10:45	Allelopathic interaction of <i>Tagetes minuta</i> L. - an environmentally safe bioherbicide. By Sehrish Sadia
10:45 – 11:00	Wastewater and Soil Quality Assessment of Nullah Lai of Pakistan. By Shazia Iftikhar
11:00 – 11:15	Interaction of defence pathways in two different isolates of stolburphytoplasma-infected tomato. By Jam Nazeer Ahmad.
11:15 – 11:30	Tolerance potential of fungi isolated from polluted soil of Multan. By Shazia Iram
11:30 – 11:45	Tolerable analysis of the fungi of the peri-urban agricultural area. By Khadija Basharat
11:45 – 12:00	Heavy Metal Remediation By Fungi. By Sehrish Iqbal
12:00 – 12: 30	Tea Break
12:30 – 12:45	Effect of ACC deaminase bacteria on tomato plants containing azo dye wastewater. By Shereen Khaliq
12:45 – 1:00	Effects of lead resistant bacteria on the early growth of <i>vigna mungo</i> L. (Hepper) under lead stress. By Syeda Shaima Meryem





1:00 – 1:15	Mangrove Ecosystem – Threats And Management. By Sumera Farooq
1:15 – 1:30	Management of <i>Avena fatua</i> L. And <i>Rumex dentatus</i> L., in associated crops with plant extracts. By Tauseef Anwar
1:30 – 1: 45	An ecological study of endemic plant <i>Polygonum istanbulicum</i> keskin and its environs. By Volkan Altay
1:45 – 2:00	Evaluation of molecular mapping population from wheat/synthetic hexaploid crosses for drought tolerance. By Waqas Hussain
2:00 – 2:30	Lunch & Prayer Break

Theme 5: Agriculture Agronomy, Horticulture, Plant Breeding & Genetics
(Chemistry Auditorium) (Parallel Session – Day 2)

10:00 – 10:15	Virulence pattern of stripe rust (<i>Puccinia striiformis</i>) in Pakistan. By Muhammad Fayyaz
10:15– 10:30	Molecular genetic variation for stripe rust resistance in Pakistani spring wheat. By Muhammad Iqbal
10:30– 10:45	Number of genes and their effects controlling grain filling duration in two wheat (<i>Triticum aestivum</i> L.) Crosses. By M. Irfaq
10:45 – 11:00	<i>Acidovorax avenae</i> subsp. <i>avenae</i> first time causing red stripe of sugarcane in Pakistan. By M.I. Haque
11:00 – 11:15	The effect of planting date, irrigation and nitrogen on some traits of forage millet (<i>Pennisetum americanum</i> var. Nutrifeed). By Muhammad Javad Seghatoleslami
11:15 – 11:30	Wheat response to various tillage-herbicide interactive systems under semi-arid climate. By M. Ramzan Anser
11:30 – 11:45	Improvement in fruit yield, quality and fruit dropping control in kinnow (<i>Citrus reticulata</i> Blanco) through application of growth regulators, potassium and zinc. By M. Yasin Ashraf
11:45 – 12:00	Tailoring some coarse and fine rice genotypes for low-zinc-input sustainable agriculture. By Nizamuddin Depar
12:00 – 12: 30	Tea Break
12:30 – 12:45	Variation and distribution in seed storage starch amylose content and its associated 60kd waxy protein band in Pakistan rice genetic resources. By Sadar Uddin Siddiqui
12:45 – 1:00	Performance evaluation of common clementine on various rootstocks. By Sajjad Hussain
1:00 – 1:15	Tagging genes for velvet hairiness in cotton using RAPD markers and bulked





	segregant analysis. By Sajid-ur-Rahman
1:15 – 1:30	Assessment of genetic diversity in stripe rust resistant NUWYT lines using microsatellite markers. By Sana Liaqat
1:30 – 1:45	Screening and stability analysis of salt tolerance wheat genotypes under fields of higher salinities. By Shafqat Farooq
1:45 – 2:00	Genetic diversity in basmati and non-basmati rice varieties based on microsatellite markers. By Shahid Masood Shah
2:00 – 2:30	Lunch & Prayer Break

TECHNICAL SESSION IV: ALL FIVE FOCAL THEMES IN THEIR RESPECTIVE HALLS

Theme 1: Plant Physiology / Stress Physiology / Microbial Interactions (Plant Microbe interactions) (Earth Sciences Auditorium) (Parallel Session – Day 2)	
2:40– 2:55	Effect of microbial inoculation on plant growth and remediation of chromium contaminated soil – By Muhammad Yahya Khan
2:55 – 3:10	A moderately boron-tolerant candidatus novel soil bacterium <i>Lysinibacillus pakistanensis</i> sp. nov. cad., isolated from soybean rhizosphere (<i>Glycine max</i> L.) – By Rifat Hayat
3:10 – 3:25	Inoculation of <i>Rhizobium leguminosarum</i> with ACC-deaminase containing PGPR for improving growth, nodulation and yield of lentil – By Shafaat Ahmad
3:25 – 3:40	Precursor (L-tryptophan)-inoculum (rhizobia) interactions for improving growth, yield and nodulation of mung bean (<i>Vigna radiata</i> L.) – By Muhammad Ashfaq Anjum
3:40 – 3:55	Spatial metagenomic analysis of bacterial community associated with wheat rhizosphere grown in rhizobox – By Humera Aslam Awan
3:55 – 4:10	Screening of PGPR isolates from Semi-arid soil and their implication to alleviate Drought stress -By Samiullah
4:10 – 4:25	Intra specific variability among <i>Metarhizium anisopliae</i> strains in their ability to produce balstospores in liquid culture media – by Abid Riaz
4:25 – 4:40	Microbial diversity of the rhizosphere of kochia (<i>Kochia indica</i>) growing under saline conditions. By Chandni Yaqoob
4:40 - 6: 40	Poster Session Plant Biotechnology / Biochemistry / Bioinformatics; Plants and Environment AND Agriculture Agronomy, Horticulture, Plant Breeding & Genetics





Theme 2: Plant Biotechnology / Biochemistry / Bioinformatics

(Biology Auditorium) (Parallel Session – Day 2)

2:40– 2:55	<i>In vitro</i> cytotoxic enhancing activity of triterpen saponins from <i>Gypsophila pilulifera</i> on saporin a type-I RIPs. By Idris Arslan
2:55 – 3:10	HPLC-DAD Analysis and Free Radical Scavenging Potential of <i>Quercus dilatata</i> L. By Munazza Ihtisham
3:10 – 3:25	Comparative analysis of antioxidants against cadmium induced reproductive toxicity in adult male rats. By Mehreen Khan
3:25 – 3:40	Determination of antioxidant potential of <i>Carallumatuberculata</i> callus and plants. By Riaz-ur-Rehman
3:40 – 3:55	
3:55 – 4:10	
4:10 – 4:25	
4:25 – 4:40	
4:40 – 6:40	Poster Session Plant Biotechnology / Biochemistry / Bioinformatics; Plants and Environment AND Agriculture Agronomy, Horticulture, Plant Breeding & Genetics

Theme 3: Plant Taxonomy / Ethnobotany

(Defence & Strategic Studies Auditorium) (Economic Botany & Ethnobotany Session – Day 2)

2:40– 2:55	An ethnobotanical study of medicinal plants in semi-tribal area, Kurd Sharif & Sho, district Karak (Khyber Pakhtunkhawah). By Dr. Amin Shah
2:55 – 3:10	Ethnobotanical appraisal in Southern plains of Takht-e-Suleman hills. By Dr. Khalid Ahmad
3:10 – 3:25	Foliar epidermal studies as an aid to the identification of grasses of tribe Andropogoneae (Poaceae) from salt range of Pakistan. By. Abdul Nazir
3:25 – 3:40	Floristic inventory of Khabaki Wetland Ramsar site of the Salt Range Wetland Complex, Valley Soon Sakesar District Khushab. By Malik Farooq Ahmed
3:40 – 3:55	Pollen morphology of <i>Ajuga</i> L., <i>Lamium</i> L. and <i>Phlomis</i> L. from Abbottabad district. By Shamila Firdous.
3:55 – 4:10	
4:10 – 4:25	
4:25 – 4:40	
4:40 – 6:40	Poster Session Plant Biotechnology / Biochemistry / Bioinformatics; Plants and Environment AND Agriculture Agronomy, Horticulture, Plant Breeding & Genetics

Theme 4: Plants and Environment

(International Relations Auditorium) (Parallel Session – Day 2)

2:40– 2:55	Physiological and genotoxic alterations induced by boron in Sunflower <i>Helianthus annuus</i> L. By İlhan Dogan
2:55 – 3:10	Mineral element uptake status of endemic <i>Isoetes anatolica</i> Prada & Rolleri populations from Bolu-turkey. By Ibrahim Ilker Ozyigit





3:10 – 3:25	Effect of Ni and Cd on Glucosinolate production in <i>Thlaspi caerulescens</i> . By Saeed Ahmad Asad
3:25 – 3:40	Allelopathic evaluation of shared invasive plants and weeds of Pakistan and Japan for environmental risk assessment. By Muhammad Ibrar Shinwari
3:40 – 3:55	The influence of earthworm <i>Apporrectodea caliginosa</i> on the iron transport in two species of Arabidopsis. By Rafiq Ahmad
3:55 – 4:10	Study of lipid-protein interaction in the secretory pathway of plant cell by raising and using anti-lipid antibodies against particular lipids and proteins in Arabidopsis and Tobacco plants. By Jam Nazeer Ahmad
4:10 – 4:25	Heavy metals toxicity and their bioaccumulation in Purslane (<i>Portulaca oleracea</i>) seedlings grown in the greenhouse environment. By Alia Naz
4:25 – 4:40	Algal removal of heavy metals, Ammonium-N and Phosphorus from contaminated water. By Zahir Shah
4:40 – 6:40	Poster Session Plant Biotechnology / Biochemistry / Bioinformatics; Plants and Environment AND Agriculture Agronomy, Horticulture, Plant Breeding & Genetics

Theme 5: Agriculture Agronomy, Horticulture, Plant Breeding & Genetics
(Chemistry Auditorium) (Parallel Session – Day 2)

2:40– 2:55	Integration of novel chlorophyll genes from black pine into the chloroplast genome of tobacco. By Shahid Nazir
2:55 – 3:10	Genetic divergence in taramira (<i>Eruca sativa</i> L.) germplasm based on quantitative and qualitative characters. By Shehla Shinwari
3:10 – 3:25	The effect of nitrogen rate and plant density on morphological traits and essential oil yield of coriander. By Seyyed Gholamreza Moosavi
3:25 – 3:40	Antioxidant activity and protecting ability of different cultivars of sugarcane against DNA damage. By Syed Mubashar Sabir
3:40 – 3:55	Climate change impact on sunflower productivity under agro-environmental conditions of Pakistan: simulation & field study. By Wajid Nasim
3:55 – 4:10	Agronomic evaluation of cotton (<i>Gossypium hirsutum</i> L.) advanced strains for fiber quality and yield parameters under Tando jam environmental conditions. By Z.A. Deho
4:10 – 4:25	
4:25 – 4:40	
4:40 – 6:40	Poster Session Plant Biotechnology / Biochemistry / Bioinformatics; Plants and Environment AND Agriculture Agronomy, Horticulture, Plant Breeding & Genetics

7: 00 - 8: 00

PBS General Body Meeting





Day 3 – September 3rd, 2012

8: 30- 10: 00	Special Lectures for Award of Medals
10: 00- 11: 30	Concluding Session
12: 00 pm	Departure for Excursion

