



## Daily Planner

### **"International Conference of Plant Scientists" [10<sup>th</sup> National Meeting of Plant Scientists]**

Monday, April 21 through Thursday, April 24, 2008

#### **Pakistan Botanical Society**

Department of Botany

Faculty of Sciences

University of Agriculture Faisalabad

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[www.pakbs.org/ICPS/ICPS.html](http://www.pakbs.org/ICPS/ICPS.html)

## ICPS 2008 – Daily Planner – Sunday, April 20

Arrival of Guests

## ICPS 2008 – Daily Planner – Monday, April 21

### Registration Open

8.00 am – Iqbal Auditorium

### Poster and Sponsor Exhibit Open

9.00 am – 6.00 pm – Old Senate Hall

### Inaugural Session

9.00 am – Iqbal Auditorium

9:00 am – Recitation from the Holy Qur'aan

9:05 am – Address by Dr. Muhammad Ashraf, President Pakistan Botanical Society

9:15 am – Address by the Vice Chancellor, UAF

9:25 am – Address by Prof. Dr. M. Qaiser, Vice Chancellor, Federal Urdu University (Chief Guest)

9:40 am – Vote of Thanks by Dr. Muhammad Yasin Ashraf, Secretary/Treasurer, Pakistan Botanical Society

### Refreshment/Tea Break

10.00 am – Oval Ground – Iqbal Auditorium

### Technical Session I–I – Ethnobotany

10.30 am – Old Senate Hall

Chair: Dr. Anwarul Hassan Gilani

Co-chair: Dr. Zabita Shinwari

10.30 am – Plenary Lecture I – *Anwarul Hassan Gilani*

11.00 am – Plenary Lecture II – *Zabita Shinwari*

11.30 am – *S. G. Mood* – A contribution to some ethnobotanical aspects of Birjand area (Iran) – **(ICPS–172)**

11.45 am – *M. Arshad* – Antipyretic effects of the homeopathic mother tincture of *Moringa oleifera* stem bark in animal model – **(ICPS-204)**

12.00 am – *S. Ahmad* – Germplasm evaluation of medicinal and aromatic plants in Balochistan, Pakistan – **(ICPS–020)**

12.15 am – *A. Javaid* – Herbicidal activity of aqueous extracts of two Solanaceous medicinal herbs against *Parthenium* weed – **(ICPS–130)**

12.30 am – *M. Hussain* – Temporal variations in ecophysiological attributes of *Mentha longifolia* at Knotti Garden (Soone Valley) in Salt Range of Pakistan – **(ICPS–319)**

12.45 am – *N. Bibi* – Palynological study of some cultivated species of genus *Hibiscus* – (**ICPS–229**)

### **Technical Session I–II – Plant Morphology**

10.30 am – New Senate Hall

**Chair: Dr. S. I. Ali**

**Co–chair: Dr. Ghulam Reza Bhatti**

10.30 am – **Plenary Lecture I** – *S. I Ali*

11.00 am – *I. I. Ozyigit* – Direct organogenesis and efficient rooting from Cotyledonary nodes of cotton (*Gossypium hirsutum* L.) – (**ICPS–200**)

11.15 am – *Y. Dogan* – Plants and traditional handicrafts in the Balkan Region – (**ICPS–483**)

11.30 am – *S. GuceI* – Morphological investigations and transplantation attempts on some endemic species of Northern Cyprus – (**ICPS–509**)

11.45 am – *T. Riaz* – Weed flora of Gladiolus fields in District Kasur, Pakistan – (**ICPS–198**)

12.00 am – *K. R. Masood* – Late permian pollen and spore from chhidru formation, Salt Range, Pakistan – (**ICPS–250**)

12.15 am – *S. A. Gilani* – Invasive species of federal capital area Islamabad Pakistan – (**ICPS–393**)

12.30 am – *T. Malik* – Plenary palynological analysis of early Triassic sandstones (Mianwali formation) western salt range, Pakistan – (**ICPS–225**)

### **Lunch/Prayer Break**

01.00 pm – Lawn – Dean Faculty of Sciences

### **Technical Session II–I – Plant Systematics**

2.00 pm – Old Senate Hall

**Chair: Dr. Muhammad Qaiser**

**Co–chair: Dr. Zafar Iqbal, UOK**

2.00 pm – **Plenary Lecture I** – *M. Qaiser*

2.30 pm – **Plenary Lecture II** – *A. R. Mermut* – New crop diversification practices in Saskatchewan, Canada – (**ICPS–480**)

3.00 pm – *V. Altay* – The wall flora of the Anatolian side of Istanbul (Turkey) – (**ICPS–201**)

3.15 pm – *B. A. Arain* – Studies on the petrified woods from Ranikot Fort Area, District Jamshoro, Sindh, Pakistan – (**ICPS–496**)

### **Technical Session II–II – Ecology and Conservation**

2.00 pm – New Senate Hall

**Chair: Dr. Nico Marcar**

**Co–chair: Dr. Amin–ul–Haq**

2.00 pm – **Plenary Lecture I** – *N. Marcar* – Predicting growth, carbon sequestration, water use and salinity impacts of tree plantations – **(ICPS–486)**

2.30 pm – **Plenary Lecture II** – *M. Ozturk* – E<sup>3</sup> – Ecology, Economy, Environment – **(ICPS–005)**

3.00 pm – *E. Yucel* – Ecotoxicological effects of different concentrations of alkaline metal salts and an acid on the seed germination of *Pinus nigra* ssp. *Pallasiana* – **(ICPS–484)**

3.15 pm – *I. Arslan* – Chemical composition and antistaphylococcal activity of endemic *Salvia chrysophylla* Stapf. naturally distributed in Denizli Province (Turkey) and its environs – **(ICPS–371)**

### **Refreshment/Tea Beak**

3.30 pm – Lawn – Old Senate Hall

### **Technical Session III–I – Mycology and Plant Pathology**

4.00 pm – Old Senate Hall

**Chair: Dr. Abdul Ghafar**

**Co–chair: Dr. Rukhsana Bajwa**

4.00 pm – **Plenary Lecture** – *A. Ghafar* – Biological Control Of Soil Borne Root Infecting Fungi

4.30 pm – *R. Bajwa* – Evolution of host specificity and virulence in plant pathogenic fungi – **(ICPS–106)**

4.45 pm – *A. Nazir* – Role of rhizosphere fungi in enhancement of metal uptake from tannery sludge amended soil by *Brassica juncea* – **(ICPS–364)**

5.00 pm – *M. Ashraf* – Ultrastructural Study of synaptonemal complex in meiocytes of *Datura innoxia* – **(ICPS–263)**

5.15 pm – *M. A. Khan* – Evaluation of antagonistic fungi against *Macrophomina phaseolina* causing charcoal rot of sunflower – **(ICPS–156)**

5.30 pm – *M. Aslam* – Induction and evaluation of mutants for CLCuV–B disease resistance in cotton – **(ICPS–273)**

5.45 pm – *A. Shabbir* – Phytotoxicity of alien weed *Parthenium* as compared to two native *Asteraceous* species against mungbean – **(ICPS–267)**

### **Technical Session III–II – Ecology and Conservation**

4.00 pm – New Senate Hall

**Chair: Dr. Munir Ozturk**

**Co–chair: Dr. Tahir Rajpoot**

4.00 pm – **Plenary Lecture I** – *M. Kafi* – Saline agriculture and its necessity in Iran – **(ICPS–404)**

4.30 pm – **Plenary Lecture II** – *H. Tavakoli* – Some new approaches on increasing forage production in dry regions of Iran – **(ICPS–049)**

5.00 pm – *N. Akguc* – *Pyracantha coccinea* ROEM. (Rosaceae) as a Biomonitor for Cd, Pb and Zn in Mugla Province (Turkey) – **(ICPS-175)**

5.15 pm – *M. Shafiq* – The influence of environment and log diameter on forcing and establishment of softwood shoots from large stem segments of *Araucaria Heterophylla* – **(ICPS-066)**

5.30 pm – *M. J. Durrani* – Role of protection in rehabilitation of rangeland – **(ICPS-010)**

### **Executive Council Meeting**

6.00 pm – Old Senate Hall

### **Dinner**

8.30 pm – Staff Club, UAF

### **End of Day I Activities**

## ICPS 2008 – Daily Planner – Tuesday, April 22

### Poster and Sponsor Exhibit Open

8.00 am – 6.00 pm – Old Senate Hall

### Technical Session I–I – Plant Physiology and Biochemistry–I

8.00 am – Old Senate Hall

Chair: Dr. M. Ajmal Khan

Co-chair: Dr. Theiveyanathan Swaminathan

8.00 am – Plenary Lecture – *M. Ajmal Khan*

8.30 am – *G. R. Zamani* – Germination response of wild barley (*Hordeum spontaneum*) to salt and drought stress in different concentration of sodium chloride and polyethylene glycol 6000 – **(ICPS–006)**

8.45 am – *S. Gulzar* – Diurnal and seasonal trends of water relations and photosynthesis in four co-occurring desert species – **(ICPS–282)**

9.00 am – *H. Ur R. Athar* – Alleviating adverse effects of salt stress on canola (*Brassica napus* L.) at seedling stage by exogenous application of glycinebetaine and proline – **(ICPS–423)**

9.15 am – *A. Hameed* – New apoptotic effect of D-mannose in wheat roots – **(ICPS–095)**

9.30 am – *A. Waheed* – Organic solute status and ionic balance of some contrasting mung bean (*Vigna radiata* (L.) Wilczek) accessions grown under salt stress – **(ICPS–392)**

9.45 am – *A. Bano* – Root-to-shoot signal transduction in rice under salt stress – **(ICPS–174)**

10.00 am – *A. Majeed* – Quantification of physiological and biochemical changes in rice due to planting modes – **(ICPS–023)**

10.15 am – *A. Ahmed* – Use of different plant growth regulators for callus induction, shoot formation and root initiation of *Celosia argentea* – **(ICPS–149)**

### Technical Session I–II – Biotechnology, Molecular Biology and Bioinformatics–I

8.00 am – New Senate Hall

Chair: Dr. Shahida Hassnain

Co-chair: Dr. Farhat Fatima Jamil

8.00 am – Plenary Lecture I – *Ikram-ul-Haq* – Production of alkaline protease by *Bacillus subtilis* and its application as a depilating agent in leather processing – **(ICPS–025)**

8.30 am – Plenary Lecture II – *S. Hasnain* – Antimicrobial peptide from *Bacillus suotilis*

9.00 am – *Tanwir Ahmad Malik* – DNA marker for nectariless trait in upland cotton – **(ICPS–145)**

9.15 am – *Z. A. Soomro* – Estimation of gene action for qualitative traits in upland cotton – **(ICPS–425)**

9.30 am – *M. Rafiq* – In vitro callus induction, somatic embryogenesis and regeneration in local

wheat (*Triticum aestivum* L.) – (ICPS–379)

9.45 am – F. Aftab – Estimation of fixed oils from various explants and in vitro callus cultures of jojoba (*Simmondsia chinensis*) – (ICPS–126)

10.00 am – T. Yasmin – Cloning, sequencing and in silico analysis of germin–like protein gene 1 promoter from *Oryza sativa* L. ssp. Indica – (ICPS–328)

10.15 am – Sultan–uddin – Studies on genetic diversity in common oak species using SDS–PAGE – (ICPS–326)

### Technical Session I–III – Plant Ecology and Conservation

8.00 am – Video Conferencing Room

Chair: Dr. Muhammad Kafi

Co–chair: Dr. Hossein Akhani

8.00 am – Plenary Lecture I – H. Akhani – New insights into phylogeny and classification of Chenopodiaceae – (ICPS–406)

8.30 am – Plenary Lecture II – I. Faridah–Hanum – Sampling size for species diversity in tropical rain forest: The case of Malaysian – (ICPS–349)

9.00 am – S. M. Jafari – Plants of Jahan Nama protected area, Golestan Province, NE, Iran – (ICPS–146)

9.15 am – S. U. K. Leghari – Increasing level of pollution in Quetta city due to dust fall and its chemical composition – (ICPS–028)

9.30 am – M. A. Zadi – Heavy metals contamination in some plants growing along the roads of Quetta city – (ICPS–377)

9.45 am – F. R. Shah – The influence of Cd and Cr on the biomass production of Shisham (*Dalbergia sissoo* Roxb.) seedlings – (ICPS–061)

### Refreshment/Tea Break

10.30 am – Lawn – Old Senate Hall

### Technical Session II–I – Plant Physiology and Biochemistry–II

11.00 am – Old Senate Hall

Chair: Dr. Ejaz Rasool, FCC

Co–chair: Dr. Hidayatullah Abro

11.00 am – Plenary Lecture – Ejaz Rasool – Advances in Photosynthesis

11.30 am – M. J. Seghatoleslami – Effect of deficit irrigation on yield, WUE and some morphological and phonological traits of three millets species – (ICPS–057)

11.45 am – I. Aziz – Effect of L–ascorbic acid on growth, water relations and photosynthesis of *Urochondra setulosa* (Trin.) C.E. Hubbard under saline stress – (ICPS–097)

12.00 pm – K. Mahmood – Effects of varying NaCl, K<sup>+</sup>/Na<sup>+</sup> and NaHCO<sub>3</sub> levels on barley (*Hordeum vulgare* L.) cultivars differing in salt tolerance – (ICPS–384)

12.15 pm – *M. A. Ahmedani* – Performance of some advanced lines of wheat at different sowing dates – **(ICPS–300)**

12.30 pm – *A. Wahid* – Improvement in salinity and heat tolerance in wheat by foliar application of thiourea – **(ICPS–390)**

12.45 pm – *G. Shaheen* – Micro and macro elements of two dominated trees of Quetta district used as fodder – **(ICPS–376)**

## **Technical Session II–II – Biotechnology, Molecular Biology and Bioinformatics–II**

11.00 am – New Senate Hall

**Chair: Dr. Ikram-ul-Haq**

**Co-chair: Dr. Muhammad Ashraf, QAU**

11.00 am – **Plenary Lecture** – *R. W. Briddon* – Contributions of betasatellites to begomovirus infections – **(ICPS–472)**

11.30 am – *A. Rasool* – Extracellular enzyme production diversity by an indigenous thermotolerant *Bacillus* sp. w.p.r. to  $\beta$ -galactosidase – **(ICPS–227)**

11.45 am – *H. Ahmad* – Evaluation of total seed storage proteins of chickpea using sodium dodecyl sulphate polyacrylamide gel electrophoreses – **(ICPS–321)**

12.00 pm – *A. K. Alvi* – DNA based genetic variation for red rot resistance in sugarcane – **(ICPS–211)**

12.15 pm – *H. Ali* – Detection of QTLs for blight resistance In chickpea genotypes with DNA based markers – **(ICPS–046)**

12.30 pm – *K. Begum* – RAPD analysis of some local bread wheat cultivars – **(ICPS–323)**

12.45 pm – *S. Gul* – Estimation of genetic diversity in tea genotypes using DNA based markers – **(ICPS–325)**

## **Technical Session II–III – – Plant Breeding, Genetics and Cytology**

11.00 am – Video Conferencing Room

**Chair: Dr. Zafar M. Khalid, NIBGE**

**Co-chair: Dr. Shafiq-ur-Rehman, Kohat**

11.00 am – **Plenary Lecture** – *Shafiq-ur-Rehman* - Are anther dehiscence, papillae, hydration and pollen swelling leading to pollination and fertilization in barley (*Hordeum vulgare* L.) regulated by changes in potassium concentration?

11.30 am – *S. Abro* – Combining ability and heterosis for yield contributing traits in upland cotton – **(ICPS–295)**

11.45 am – *I. Khalilullah* – Studies on genetic variability at HMW-GS loci in common wheat cultivars of Pakistan – **(ICPS–324)**

12.00 pm – *M. A. Arian* – Enhancement of agricultural productivity through induced mutations and conventional breeding – **(ICPS–288)**



12.15 pm – *J. A. Fazal Ali* – Evolution of first high yielding lentil variety through induced mutations in Sindh – **(ICPS–301)**

12.30 pm – *Sajid–ur–Rahman* – Inheritance of frego bract and its linkage with fiber and seed traits in upland cotton – **(ICPS–144)**

12.45 pm – *A. A. Cheema* – Isolation of low phytate Basmati rice through induced mutation – **(ICPS–275)**

### **Lunch/Prayer Break**

1.00 pm – Lawn – Dean Faculty of Sciences

### **Technical Session III–I – Plant Physiology and Biochemistry–III**

2.00 pm – Old Senate Hall

**Chair: Dr. Ihsan Ilahi**

**Co–chair: Dr. Gholam Reza Zamani**

2.00 pm – **Plenary Lecture** – *I. Ilahi* – Problems associated with some ethno–botanically important plants of Kohat region and their cultivation in a farm – **(ICPS–195)**

2.30 pm – *M. S. Sakcali* – Seed Germination behaviour of *Diploaxis tenuifolia* (L.) DC. – **(ICPS–373)**

2.45 pm – *M. Hameed* – Mechanism of ionic balance in some potential salt tolerant grasses under salt stress from the Salt Range Pakistan – **(ICPS–084)**

3.00 pm – *M. Ashraf* – Estimation of character association and component analysis in soybean (*Glycine max* L.) – **(ICPS–030)**

3.15 pm – *Manzoor Hussain Soomro* – Activities of Pakistan Science Foundation

### **Technical Session III–II – Biotechnology and Microbiology**

2.00 pm – New Senate Hall

**Chair: Dr. Manzoor Hussain Soomro**

**Co–chair: Dr. Ahmet Aksoy**

2.00 pm – *A. Aksoy* – Biomonitoring of heavy metal pollution using lichen (*Pseudevernia furfuracea* (L.) Zopf.) exposed in bags in a semi–arid region, Turkey – **(ICPS–424)**

2.15 pm – *F. Y. Hafeez* – Characterization of temperature induced stress response in *Ochrobactrum* and *Mesorhizobium* – **(ICPS–117)**

2.30 pm – *Z. A. Zahir* – Improving growth and nodulation in lentil through co–inoculation with rhizobium and ACC–deaminase containing plant growth promoting rhizobacteria – **(ICPS–121)**

2.45 pm – *B. Shaharoona* – Fertilizer dependent efficiency of pseudomonads containing ACC–deaminase for improving growth, yield and nutrient use efficiency of wheat (*Triticum aestivum* L.) – **(ICPS–123)**

3.00 pm – *S. M. Nadeem* – Differential response of etiolated pea and maize seedlings to inoculation with rhizobacteria capable of utilizing 1–aminocyclopropane–1–carboxylate under salt–stressed conditions – **(ICPS–119)**

3.15 pm – *M. T. Azhar* – Identification and characterization of resistance gene analogues (RGAs) in *Gossypium arboreum* L. – **(ICPS-407)**

3.30 pm – *S. R. Kashif* – Effect of calcium carbide dependent released acetylene and ethylene gases on seed germination, green pod yield, nitrogen use efficiency, molecular protein and DNA contents of okra (*Hibiscus esculentus* L.) – **(ICPS-165)**

### **Technical Session III–III – Plant Breeding, Genetics and Cytology**

2.00 pm – Video Conferencing Room

**Chair: Dr. Shaqfat Farooq**

**Co-chair: Dr. Zaheer ud Din Khan**

2.00 pm – *B. M. Atta* – Genotype x environment interaction for seed yield in kabuli chickpea (*Cicer arietinum* L.) genotypes developed through mutation breeding – **(ICPS-047)**

2.15 pm – *G. S. S. Khattak* – Breeding high yielding and disease resistant mungbean (*Vigna radiata* (L.) Wilczek) genotypes – **(ICPS-039)**

2.30 pm – *G. Sarwar* – Induced genetic variability and yield performance study in castorbean (*Ricinus communis* L) mutants – **(ICPS-346)**

2.45 pm – *Z. Akram* – Estimation of correlation coefficient among some yield parameters of wheat under rainfed conditions – **(ICPS-361)**

3.00 pm – *R. Afzal* – Estimation of genetic diversity in yield components in exotic material of bread wheat – **(ICPS-306)**

### **Refreshment/Tea Beak**

3.45 pm – Lawn – Old Senate Hall

### **Technical Session IV–I – Plant Physiology and Biochemistry–IV**

4.15 pm – Old Senate Hall

**Chair: Dr. Rafiq Ahmad, UOK**

**Co-chair: Dr. Farooq-e-Azam**

4.15 pm – **Plenary Lecture** – *Rafiq Ahmad*

4.45 pm – *S. Nahar* – Production of glucoamylase by *Rhizopus* sp. in liquid culture – **(ICPS-037)**

### **Technical Session IV–II – Plant Pathology**

4.15 pm – New Senate Hall

**Chair: Dr. Safdar Aali Anwar**

**Co-chair: Dr. Basir Ahmed Arain**

4.15 pm – **Plenary Lecture** – *S. A. Anwar* – Mechanisms of resistance to root knot nematodes – **(ICPS-074)**

4.45 pm – *S. Khanzada* – Re-occurrence of new stem rust race (kiran virulence) In southern Pakistan and its potential danger for national food security – **(ICPS-298)**

### **General Body Meeting**

5.00 pm – Old Senate Hall

### **Dinner**

8.30 pm – Staff Club, UAF

### **End of Day II Activities**

## **ICPS 2008 – Daily Planner – Wednesday, April 23**

### **Excursion**

7.00 am – Departure form Faisalabad to the Salt Range

6.00 pm – Arrival to Faisalabad

### **Dinner**

8.30 pm – Staff Club, UAF

## ICPS 2008 – Daily Planner – Thursday, April 24

### Technical Session I – Plant Physiology and Biochemistry–V

8.00 am – Old Senate Hall

Chair: Dr. Ahmet Ruhi Mermut

Co-chair: Dr. Hossien Tavakoli

8.00 am – **Plenary Lecture** – R. Ahmad – Investigations on increasing productivity of ginger (*Zingiber officinale*) by amendment of Vermicompost and Biogas slurry in saline soils – (ICPS-403)

8.30 am – M. Ashfaq – Changes in the activities of antioxidants enzymes in susceptible and resistant cultivars of blackgram due to urdbean leaf crinkle virus infection – (ICPS-352)

8.45 am – A. Niaz – Consequences of boron application on cotton under high pH calcareous soils of coarse loamy Typic ustochrepts – (ICPS-412)

9.00 am – J. Akhter – Relationships between carbon isotope discrimination and grain yield, water-use efficiency, and growth parameters in wheat (*Triticum aestivum* L.) under different water regimes – (ICPS-387)

9.15 am – H. M. Akram – Study on the accumulation of osmotica in hexaploid wheat under the influence of drought stress and application of growth hormones – (ICPS-068)

9.30 am – M. A. Anjum – Association of *Lasiodiplodia theobromae* with different decline disorders in mango (*Mangifera indica* L.) – (ICPS-247)

9.45 am – M. Z. Ahmed – Seed germination of salt playa halophytes from Pakistan: salinity, temperature and light responses – (ICPS-112)

10.00 am – Z. Ahmad – Effect of soil applied calcium carbide (CaC<sub>2</sub>) on physiological and agronomic parameters of cotton grown under salinity stress – (ICPS-236)

10.15 am – Z. Iqbal – Variability in content/constituents of volatile oils in different oil bearing *Eucalyptus* species grown at NIAB, Faisalabad – (ICPS-437)

10.30 am – R. Khoshhravesh – An annotated checklist, identification key and illustration of the Pteridophyte flora of Iran – (ICPS-173)

11.00 am – N. M. Butt – Nanobiology

### Technical Session I–II – Plant Breeding, Genetics and Cytology

8.00 am – New Senate Hall

Chair: Dr. Ahsan-ul-Haq, NIAB

Co-chair: Dr. S. M. Saqlain Naqvi

8.00 am – **Plenary Lecture** – Ahsan-ul-Haq, NIAB – Plant Breeding and Genetics

8.30 am – M. Y. Saleem – Combining ability analysis in tomato (*L. esculentum* Mill.) – (ICPS-339)

8.45 am – M. Hussain – Breeding for salt tolerance in spring wheat *Triticum aestivum* L – (ICPS-154)

9.00 am – *N. Iqbal* – Quantitative assessment of genetic diversity in wheat germplasm using microsatellite markers – **(ICPS–354)**

9.15 am – *A. Ghafoor* – Legume genetic resources – present status and future prospects – **(ICPS–029)**

9.30 am – *A. S. Mumtaz* – Genetic studies in wheat under leaf rust conditions (*Puccinia recondita*) – **(ICPS–261)**

9.45 am – *F. Hussain* – Genetics of adult plant leaf rust resistance in spring wheat – **(ICPS–260)**

10.00 am – *S. M. Iqbal* – Identification of resistant sources for multiple disease resistance in chickpea – **(ICPS–309)**

10.15 am – *M. J. Asghar* – Selection indices for yield and quality traits in sweet corn – **(ICPS–351)**

### **Technical Session I–III – Microbiology and Plant Pathology**

8.00 am – Video Conferencing Room

**Chair: Dr. Ajaz Rasool**

**Co-chair: Dr. M. Y. Ashraf**

8.00 am – **Plenary Lecture** – *H. Abro* – Antimicrobial potential of seed extract of *Raphanus sativus* – **(ICPS–382)**

8.30 am – *M. Munir* – Assessment of physiological attributes for the screening of drought tolerant wheat genotypes – **(ICPS–416)**

8.45 am – *F. Naz* – Susceptibility and influence of inoculum levels of *Rhizoctonia solani* on potato germplasm – **(ICPS–340)**

9.00 am – *K. Umar* – Glomalean spore flora of Pakistan: Arbuscular mycorrhizal fungi from tissue culture raised potato fields in Sahiwal, Pakistan – **(ICPS–253)**

9.15 am – *G. Nasim* – Evaluation of inoculum potential of fifteen different inocula for inducing arbuscular mycorrhiza in wheat (*Triticum aestivum* L. cv. pak 81) – **(ICPS–252)**

9.30 am – *M. M. Kandhro* – Cotton leaf reddening and effect on cotton yield – **(ICPS–296)**

### **Closing Session**

11.30 am – Old Senate Hall

11:30 am – Recitation from the Holy Qur'aan

11:35 am – Certificate distribution

12:00 am – Concluding remarks and recommendations by Dr. Muhammad Ashraf, President PBS

12:15 am – Address by Prof. Dr. Iqbal Ahmad Khan, Vice Chancellor, UAF

12:30 am – Address by **Dr. N. M. Butt**, Chairman, Pakistan Science Foundation – Islamabad

**Lunch/Prayer Break**

12.45 pm – Lawn – Dean Faculty of Sciences

1.00 pm – Departure

**End of Day IV Activities**