

9th Plant Science Colloquium 2017

Department of Plant Sciences

School of Life Sciences

University of Hyderabad

Scientific Programme Schedule

22nd February 2017

Inaugural Session

- 08:30 - 09:30 Registration
- 09:30 - 09:35 Welcome address by Danteswari Ch
- 09:35 - 09:45 About the Plant Science Colloquium by
Prof. Ch. Venkata Ramana (Head, Dept. of Plant
Sciences, UoH)
- 09:45 - 09:55 Remarks by Prof. P. Reddanna (I/C Dean,
School of Life Sciences, UoH)
- 09:55 - 10:05 Address by Vice Chancellor, UoH
- 10:05 - 10:20 Presentation of Medals and Certificates to
Students/Scholars
- 10:20 - 10:25 Introduction of Keynote Speaker- Dr. S. R. Bhat,
ICAR-National Research Centre on Plant
Biotechnology, New Delhi.
- 10:25 - 11:20 Keynote lecture by Dr. S. R. Bhat
- 11:20 - 11:45 Group Photo followed by Tea

Popular Lecture

- 11:45 - 12:30 Popular lecture by Prof. A.S. Raghavendra on Plants are
fascinating: Adaptations and Movements

Highest Impact Factor Paper Presentation

- 12:30- 13:00 "Activation tagging for water-use efficiency and
abiotic stress responses in rice"

Mazahar Moin, Achala Bakshi, A. R. Reddy, M. Udaya Kumar, K. V. Rao, P. B Kirti; *Plant, Cell and Environment* (2016)39: 2440-2459.

Scientific Session I: Biotic and Abiotic Stress

13:00 - 14:00 LUNCH

- 14:00 - 14:20 Doris Abhirupa Pradhan and Ragiba Makandar
Deciphering molecular mechanisms of induction of biotic stress tolerance by *Trichoderma* spp. in castor (*Ricinus communis* L.)
- 14:20- 14:40 Bhosle SM and Ragiba Makandar
Identification of molecular determinants involved in disease signaling of powdery mildew causing *Erysiphe* pathogen through molecular approaches
- 14:40- 15:00 Ravikiran Boda and Majeti Narasimha Vara Prasad
Ricinus communis L. for phytostabilization
- 15:00- 15:05 Quiz

Scientific Session II: Glycobiology and Protein Biochemistry

Chair: Mohan M
Co-chair: Swapna N

- 15:05 - 15:25 Rajesh Rao M and Appa Rao Podile
Generation of chitooligosaccharides from of crystalline chitin sources using solid state fermentation
- 15:25 - 15:45 B Bhuvanachandra and Appa Rao Podile
A single modular GH18 chitinase from *Chitinophilus shinanonensis* (*CsChiL*) transglycosylates chitin oligomers
- 15:45 - 16:05 Aparna Nerusu and Rajagopal Subramanyam
Identification of human serum albumin domains having high affinity towards protein bound uremic toxins
- 16:05 - 16:10 Quiz

16:10 - 16:20 TEA AND SNACKS

Scientific Session III: Plant Development and Proteomics

**Chair: Prasanna B
Co-chair: Madhavi B**

- 16:20 – 16:40** **Achala Bakshi and P B Kirti**
Ectopic expression of *Arabidopsis thaliana* Target of Rapamycin (AtTOR) enhances water-use efficiency and yield attributes in indica rice
- 16:40 – 17:00** **Rajesh Kumar Meena and Padmaja G**
Proteomic analysis of maize F1 hybrid and its parental lines during early seed germination for identification of the proteins associated with heterosis
- 17:00 – 17:20** **Durgeshwar P and Padmaja G**
Effect of different pre-treatments on seed germination and proteomic changes during dormancy release in *Givotia rottleriformis* Griff.
- 17:20 – 17:25** **Quiz**

17:25 - 17:40 **Vote of thanks**