

Bio-Data for Dr. Pranjali H. Ghodke

Name : Dr. Pranjali H. Ghodke
Designation : Scientist (Plant Physiology)
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Higher Degree : Ph. D in Plant Physiology from IARI, New Delhi.

Birth Date : 22/03/1986

Research Interest : Abiotic stress management in onion crop

Project Details : **Institute Projects:**

- Conservation, characterization and utilization of genetic resources of *Allium* species
- Integrated water and nutrient management and physiological manipulation for improving productivity of onion and garlic
- Devising efficient breeding techniques and Genetic improvement of onion and garlic through conventional breeding and biotechnological approaches
- Development and refinement of post harvest handling, storage and processing techniques for minimization of losses and improving productivity of onion and garlic

External Projects:

- National Initiative on Climate Resilient Agriculture (NICRA)

Research Publications:

Papers in Research Journals:

- Shiv Ramakrishnan, **P. H. Ghodke**, S. Nagar, R. Vinoth, B. Kumar, V. P. Singh, G. P. Singh and Ajay Arora. (2016). Genetic Analysis of Stay Green Trait and its Association with Morpho-physiological Traits under Water Deficit Stress in Wheat. *Indian Journal of Plant Genetic Resources*, **29**(1): 33-40.
- S. Ramakrishnan, **P. H. Ghodke**, S. Kumar, G. P. Singh, B. Kumar, V. P. Singh, Ajay Arora. (2016). Multivariate Analysis for Stay Green and Some Metric Traits in Wheat (*Triticum aestivum* L.). *Environment and Ecology*, **34**: 1104-1108.

Abstracts Published:

Poster presentation

- **Pranjali H. G.**, Thangasamy A., Gupta, A. J. and Mahajan V. 2016. Screening of onion germplasm for water-logging tolerance. 2nd National symposium on Edible Alliums: Challenges and Future strategies for

sustainable production, 7-9 November 2016.

- **Pranjali H. G.**, Thangasamy A., Mahajan V and Gupta, A. J. 2017. Screening of onion germplasm for water-deficit stress. XIII Agricultural Science Congress, 21–24 February 2017, University of Agricultural Sciences, Bengaluru, Karnataka.
- Vijay Mahajan, **Pranjali H. G.**, Ashwini C., Gupta A.J. and Pallavi P. Conservation of non-flowering wild Allium species through induction of flower. 2nd National symposium on Edible Alliums: Challenges and Future strategies for sustainable production, 7-9 November 2016.

Technical/Popular articles:

- Gadge S.S. and **Ghodke P. H.** 2016. Kanda Pikat Rog Ve Kedanche Vyavasthapan. Krishiking. November 2016. Krishiking Agotech, Pune.
- Gadge S.S. and **Ghodke P. H.** 2016. Kharif Kanda Lagvadiche Niyojan. May 2016. Agrowon. Sakal Media Group, Pune.

Awards/ Recognition:

- **First prize in oral presentation/ paper presentation: Pranjali H. Ghodke** and Thangasamy A. 2016. Identification of critical growth stages in onion for water deficit stress. 2nd National symposium on Edible Alliums: Challenges and Future strategies for sustainable production, 7-9 November.
- **Young Scientist Award, 2013: Pranjali H. Ghodke**, 2013. Interactive role of ethylene and polyamines for drought tolerance in wheat. National conference of Plant Physiology. Directorate of Groundnut Research, Junagadh.
- Life member of Indian Society of Plant Physiology
- Life member of Indian Society of *Alliums*