


## Bio-Data of Dr. A. J. Gupta

- Name** : Dr. Amar Jeet Gupta
- Designation** : Principal Scientist (Horticulture)
- Contact** : ICAR-Directorate of Onion and Garlic Research  
Rajgurunagar-410505, District- Pune (MS)  
Phone: +912135-222026 (O);  
Mob: +919403190377; Fax: +912135-224056  
e-mail: [amarjeet.gupta@icar.gov.in](mailto:amarjeet.gupta@icar.gov.in) ;  
[guptaaj75@yahoo.co.in](mailto:guptaaj75@yahoo.co.in)
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- Higher Degree** : Ph. D. (Vegetable Science) from GBPUA&T, Pantnagar
- Specialization** : Vegetable Breeding and Improvement
- Birth Date** : 6<sup>th</sup> November 1975
- Research Interest** : Development of improved varieties and F<sub>1</sub> hybrids in onion
- Description of Research** :  
➤ Hybridization, development of inbred lines, male sterile lines and F<sub>1</sub> hybrids in onion  
➤ Varietal improvement in onion for table purpose  
➤ Development of bolting-free high yielding onion varieties  
➤ Collection, evaluation, characterization and utilization of onion germplasm  
➤ Sets technology for raising early kharif onion crop  
➤ Protection and DUS characterization of onion and garlic varieties
- Projects** : **Institute Projects:**  
➤ Devising efficient breeding techniques and genetic improvement of onion and garlic through conventional breeding and biotechnological approaches (as PI)  
➤ Conservation, characterization and utilization of genetic resources of *Allium species* (as Co-PI)
- Externally Funded Projects:**  
➤ DUS testing in onion & garlic and maintenance breeding (PPV&FRA)  
➤ Development of hybrids in onion: A joint venture (Beej Sheetal and ICAR-DOGR)  
➤ Tribal Sub-Plan (TSP) on onion and garlic for tribal region
- Students Guided** :  
➤ Three M. Sc. (Ag) Olericulture students as Chairman of Advisory Committee  
➤ Three Ph. D. (Olericulture) students as Member of Advisory Committee

**Honours and  
Recognition**

- : ➤ Editor of Rajbhasha Patrika 'Kandika' published by ICAR-DOGR
- Received Best Poster Presentation Award in National Symposium organized by ICAR-NAARM, Hyderabad
- Received Reviewer Excellence Award from Indian Journal of Agricultural Research (ARCC)
- Nominated Resource Person/ Expert of Horticultural Crops (varieties of onion and garlic) for Prasar Bharati.
- Developed 6 high yielding red onion varieties as Project Leader which are very popular in the country
- Developed 3 white onion varieties as Co-PI suitable for processing and export
- Registered first early maturing Genetic Stock in common onion (DOGR-1203-DR) and multiplier onion (DOGR-1549-Agg) with ICAR-NBPGR
- Registered 3 onion varieties and one garlic variety with PPV&FRA for its protection