

Honors/Awards

1. Awarded **CSIR-JRF** fellowship for study of Ph.D. in 2010
2. **Aspee Gold medal** (2008): for securing highest marks in Plant Pathology and Plant protection at the B.Sc. Ag. (Hons) examination held by CS Azad Uni. Of Ag. & Tech. Kanpur, U.P.
3. **Dr. Kirtikar Memorial Gold Medal** (2008): for securing highest marks in Plant Pathology at the B.Sc. Ag. (Hons) examination held by CS Azad Uni. Of Ag. & Tech. Kanpur, U.P.
4. **University Silver Medal** (2008): for securing second position at the B.Sc. Ag. (Hons) examination held by CS Azad Uni. Of Ag. & Tech. Kanpur, U.P.
5. Secured **7th rank** in the all India Entrance Examination conducted by the Indian Council of Agricultural Research (ICAR) for **Junior Research Fellowship (JRF)** in **Plant Biotechnology** group in the year 2008.
6. Awarded **IARI Merit Scholarship** for studies for Biochemistry (2008-2010) at Indian Agricultural Research Institute, New Delhi.
7. Secured **2nd rank** in 2008 in Combined Entrance Examination for Biotechnology- JNU, **Department of Biotechnology**, New Delhi.
8. Secured **1st rank** in 2008 in Combined Entrance Examination for Plant Biotechnology- **Banaras Hindu University**, Varanasi, U.P
9. Awarded Chowdhary **Charan Singh Smriti Pratibha Award** for securing **2nd** position in B.Sc. Ag. (Hons.) in 2008.
10. Secured **1st rank in Indian Sanskrit Gyan Exam** (International Gayatri Family) conducted in 2002.
11. Secured **first position** in 10th and 10+2 exam at district level in 2002 and 2004 respectively.

Publications: Conferences/Workshops/Symposiums/Journals/Books/Book Chapter

1. **Om Prakash Gupta**, Vipin Permar, Vikas Koundal, Uday Dhari Singh, Shelly Praveen, (2012). MicroRNA regulated defense responses in *Triticum aestivum* L. during *Puccinia graminis* f.sp. *tritici* infection. *Mol Biol Rep*, 39:817–824.
2. **Om Prakash Gupta**, Girish Chandra Pandey, R. K. Gupta, Indu Sharma, Ratan Tiwari (2012) Comparative behavior of terminal heat tolerant (WH 730) and intolerant (Raj 4014) hexaploid wheat genotypes at germination and growth at early stage under varying temperature regime. (African journal of microbiology Research: under review)

3. **Om Prakash Gupta**, Pradeep Sharma (2012). Potential role of small RNAs during stress in plants. Book Chapter, Edited by RK Gaur and P Sharma, (CRC Press: under print)
4. **Gupta O.P**, Venkatesh K, Gupta R.K (2012). Harmful effects of storage on nutritional quality of wheat and their management. Gehoon and Jau Swarnima Popular article, published by DWR, Karnal
5. **Gupta O.P**, Tiwari R, Venkatesh K, Gupta R.K, and Sharma Indu (2012). Effect of heat and cold treatment on germination and early growth stage of terminal heat tolerant (WH 730) and intolerant (RAJ 4014) wheat genotypes. Abstract submitted to International Conference on Biotechnology: A Rendezvous with Basic Sciences For Global Prosperity (BTBS2012), NASC, New Delhi
6. **Gupta O.P**, Sendhil R, Gupta R.K. (2012). Surplus wheat (2012): Present status and future prospects. <http://www.krishisewa.com/cms/articles/trending-technology/144-surplus-wheat.html>
7. Pandey B, **Gupta O.P**, Sharma P. (2012). Computational identification of heat responsive miRNAs in wheat. Plant signalling and behaviour (under process)
8. **Om Prakash Gupta** and Shelly Praveen (2012). Cloning and characterization of pre-miR159a and pre-miR1123 from Indian hexaploid wheat and their evolutionary linkage by sequence comparison. (Manuscript under preparation)
9. Karnam Venkatesh, **Om Prakash Gupta**, Ganapati N Mukri, Abhijit Kumar Das and Nagaraja NR (2012). Regulatory mechanisms in commercialization of transgenic crops. Agrobios newsletter (Under process)
10. Ganapati N Mukri, Abhijit Kumar Das and Nagaraja NR, Karnam Venkatesh, **Om Prakash Gupta** (2012). TILLING and Eco TILLING: A reverse genetic approach. Agrobios newsletter (Under process)
11. **Om Prakash Gupta**, Karnam Venkatesh, Ganapati N Mukri, Abhijit K Das, Nagaraja NR (2012). Biological nitrogen fixation in cereals: Present status and future prospects. Agrobios newsletter (Under process)
12. Progress report of All India Coordinated Wheat & Barley Improvement Project 2011-12, Vol. IV, Wheat Quality. Eds: R.K. Gupta, D. Mohan, Sewa Ram, Sneh Narwal, **O.P. Gupta** and Indu Sharma. Directorate of Wheat Research, Karnal, India. P214
13. **Om Prakash Gupta**, Vipin Permar and Shelly Praveen, (2010). "Quantification of host miRNA during viral infection": laboratory manual "Viral genomics and transgenic development", Division of Plant Pathology, IARI New Delhi.

14. **Om Prakash Gupta** (2010). “MicroRNA profiling of susceptible and resistant (conditioned by *Sr24*) wheat cultivars during infection with stem rust”: M.Sc. thesis submitted at PG School of IARI, New Delhi.
15. Vinutha T., Priyanka Singh, Vikas Koundal, **Om Prakash Gupta**, Shelly Praveen, (2009). “Variation in microRNA levels during viral infection”: in 5th International Conference of Indian Phytopathological Society held from Nov. 10-13, 2009, organized by IARI, New Delhi.

3. International recognition:

1. Reviewer of International Journal of Plant Research. **Scientific & Academic Publishing, USA**
2. Reviewer of International Journal of Virology and Molecular Biology. **Scientific & Academic Publishing, USA**

4. Professional Experience and Trainings

1. Foundation Course on “*Agricultural Research Service*” from 15/09/2011 to 13/12/2011 at National Academy of Agricultural Research and Management (NAARM), Hyderabad.
2. One month orientation training at Directorate of Wheat Research, Karnal from 23/12/11 to 22/01/12
3. Three month professional attachment training on “*Proteomics approach for functional genomics in wheat*” at National Research Centre on Plant Biotechnology, Pusa Campus, New Delhi from 25/01/2012 to 24/04/2012

8. Seminar delivered:

1. Ubiquitin mediated proteolysis in plant hormone signal transduction. 2009. Division of Biochemistry, IARI, New Delhi, India.
2. Enzyme engineering for enantioselectivity. 2009. Division of Biochemistry, IARI, New Delhi, India.
3. A ‘garbage can’ for ribosome: how eukaryotes degrade their ribosomes?. 2010. Division of Biochemistry, IARI, New Delhi, India.
4. Biological nitrogen fixation in cereals: where are we?. 2012. Directorate of Wheat Research, Karnal, Haryana, India.