

LIST OF PUBLICATIONS

A. Peer reviewed publications

1. Kishii M, Dou QW, **Garg M**, Ito M, Tanaka H and H. Tsujimoto. Production of wheat-*Psathyrostachys huashanica* chromosome addition lines. *Genes and genetic system*. 85, 281-286. 2010
2. Singh K, Chhuneja P, Singh I, Sharma SK, Garg T, **Garg M**, Keller B and Dhaliwal HS. . Molecular mapping of cereal cyst nematode resistance in *Triticum monococcum* L. and its transfer to the genetic background of cultivated wheat. *Euphytica*. 76, 213-222. 2010
3. **Garg M**, Tanaka H, and Tsujimoto H. Exploration of Triticeae seed storage proteins for improvement of wheat end-product quality. *Breeding Science*. 59, 519-528. 2009
4. **Garg M**, Tanaka H, Ishikawa N, Takata K, Yanaka M and Tsujimoto H. *Agropyron elongatum* HMW-glutenins have the potential to improve wheat end product quality through targeted chromosome introgression. *J. Cereal Sci*. 50, 358-363. 2009.
5. **Garg M**, Tanaka H, Ishikawa N, Takata K, Yanaka M and Tsujimoto H. A novel pair of HMW glutenin subunits from *Aegilops searsii* improves quality of hexaploid wheat. *Cereal Chemistry*. 86, 26-32. 2009
6. Elamein HMM, Ali AM, **Garg M**, Tanaka H and Tsujimoto H. Comparative karyological analysis on *Pennisetum schweinfurthii* and *P. glaucum*. *Sud. J. Ag. Sci.*13, 1-12. 2009.
7. Elamein HMM, Ali AM, **Garg M**, Kikuchi S, Tanaka H and Tsujimoto H. Evolution of chromosomes in genus *Pennisetum*. *Chromosome Science*. 10, 55-63. 2007
8. **Garg M**, Tanaka H, Elamein HMM, and Tsujimoto H. Preferential elimination of chromosome 1D from homoeologous group-1 alien addition lines in hexaploid wheat. *Genes and Genetic sys*. 82(5), 403-408. 2007
9. Singh K, Ghai M, **Garg M**, Chhuneja P, Kaur P, Schnurbusch T, Keller B and Dhaliwal HS. An integrated molecular linkage map of diploid wheat based on a *Triticum boeoticum* × *T. monococcum* RIL population. *Theor. Appl. Genet*. 115(3), 301-312. 2007
10. **Garg M**, Dhaliwal HS, Chhuneja P, Kumar D, Dou Q-W, Elamein HMM, Tanaka H and Tsujimoto H. Negative effect of chromosome 1A on dough strength shown by modification of 1D addition in durum wheat (*Triticum durum*). *Theor. Appl. Genet*. 114(7), 1141-1150. 2007
11. Goyal A, Hattori K, Ogata H, **Garg M**, Anwar AM, Ashraf M, Mandula: Synergic Effect of wheat Straw Ash and Rice-husk Ash on strength Properties of Mortar. *Journal of Applied Sciences*, 7(21), 3256-3261. 2007
12. **Garg M**, Rao YS, Goyal A and Singh B. Variations in seed storage protein-Triticin among diploid *Triticum* and *Aegilops* species. *Biotechnology*. 6(3), 444-446. 2007
13. Routray P, Bashsa O, **Garg M** and Singh NK. Genetic diversity of landraces of wheat from hilly areas of Uttaranchal, India. *Genet. Resour. Crop. Evol*. 54, 1315-1326. 2007
14. **Garg M**, Singh H, Kaur H and Dhaliwal HS. Genetic control of high protein content and its association with bread making quality in wheat. *Plant Nutrition*. 29, 1357-1369. 2006
15. Singh S, Sodhi M, Vikal Y, George MLC, Bala GS, Mangat GS, **Garg M**, Sidhu JS and Dhaliwal HS. DNA fingerprinting and virulence analysis of *Xanthomonas oryzae* pv *oryzae* isolates from Punjab, northern India. *Euphytica*. 130, 07-115. 2003
16. Dhaliwal HS, **Garg M**, Chhuneja P and Kaur H. Transfer of HMW glutenin subunits from wild wheats into *Triticum durum* and improvement of quality. *Cereal Research Comm*. 30(1-2), 173-179. 2002

17. **Garg M**, Singh S, Singh B, Singh K and Dhaliwal HS. Estimates of genetic similarity and DNA Fingerprinting of wheat and Triticale cultivars using molecular markers. *Ind. J. Ag. Sci.* 71(7), 438-43. 2001
18. Singh S, **Garg M** and Parkash O. Isolation and electrophoretic separation of RNA from Bengal gram (*Cicer arietinum* L.), *J. Pl. Sci. Res.*13, 53-55. 1997

B. Conferences

19. Tsujimoto H, Wang S, **Garg M** and Tanaka H. Alien genetic resources for dryland wheat breeding. 10th international conference on development of drylands, Cairo, Egypt, 12-15 december, 2010
20. Tsujimoto H, Wang S, **Garg M** and Tanaka H. Wheat alien addition lines saving fertilizers with good bread-making-quality. The 4th Asian chromosome colloquium, Beijing, China. 11-14 October, 2010
21. **Garg M**, Ghorab J, Jaby El-Haramein F, Abdalla O and Ogbonnaya FC. End use quality assessment of synthetic backcross derivatives of wheat. 8th International Wheat Conference, Saint Petersburg, Russia 1-4 June, 2010.
22. **Garg M** and Tsujimoto H. Agropyron intermedium high molecular weight glutenin subunits; have we found substitute for 5+10 (Glu-D1) subunits. Xth International Gluten Workshop. Clermony-Ferrand, France, September 7-9, 2009.
23. **Garg M**, Tanaka H and Tsujimoto H. Exploration of Triticeae resource for wheat end product quality improvement. 6th International Triticeae Symposium. Kyoto, Japan, June 1-5, 2009.
24. **Garg M**, Tanaka H and Tsujimoto H. Utilizing variation of *Agropyron elongatum* and *Aegilops geniculata* for wheat end product quality improvement: Challenges ahead. The 3rd Asian Chromosome Colloquium. Osaka, Japan, December 1-4, 2008.
25. **Garg M**, Tanaka H and Tsujimoto H. Genetic variation of Triticeae species for improvement of wheat end product quality. 11th International Wheat Genetics Symposium, Brisbane Convention & Exhibition Centre, Brisbane, Queensland, Australia, August 24-29, 2008.
26. **Garg M**, Tanaka H and Tsujimoto H. Novel seed storage proteins of *Aegilops longissima* have potential for end product quality improvement in wheat. AACC Cereal chemistry conference 2007, San Antonio, Texas, U.S.A. October 7-10, 2007
27. **Garg M**, Tanaka H and Tsujimoto H. Seed storage proteins in Triticeae: a novel source of variation for improvement of wheat flour quality. Symposium of breeding sciences, Yamagata, Japan, September 22-24, 2007
28. Mustafa HM, Tanaka H, Ali AM, **Garg M**, Kikuchi S and Tsujimoto H. Cytological and genetical studies in pearl millet, *Pennisetum glaucum*, and its wild relatives. Symposium of breeding sciences, Yamagata, Japan, September 22-24, 2007
29. **Garg M**, Tanaka H and Tsujimoto H. Negative effect of chromosome 1A on bread making quality shown by modification of 1D addition in durum wheat (*Triticum durum*). Symposium of breeding sciences, Ehime, Japan, pp. 200, September 20-22, 2006
30. **Garg M**, Tanaka H, and Tsujimoto H. Chromosome Location of Genes Controlling High Molecular Weight (HMW) glutenin locus in species related to wheat and their effect on bread making quality. International gluten workshop, San Francisco, California U.S.A., pp. 20, September 14-16, 2006

31. **Garg M** and Balgir PP. HMW glutenin locus of *Triticum durum* and *Triticum aestivum*. International congress on emerging trends in plant chromosome research. Punjabi University, Patiala, India. pp 22 October 8-11. 2003
32. Dhaliwal HS, Chhuneja P, Singh I, Ghai M, Goel RK, **Garg M**, Keller B, Röder M and Singh K. *Triticum monococcum* - a novel source for transfer and exploitation of disease resistance in wheat. 10th International Wheat Genetics Symposium, Italy. pp 346-434, September 1-6, 2003.
33. **Garg M** Delivered lecture on "Separation of proteins by electrophoresis technique" in All India food technology workshop held at PAU, Ludhiana, India. 2002
34. **Garg M**, Singh H, Chhuneja P, Kaur H and Dhaliwal HS. Transfer of HMW glutenin subunits from wild wheats into *Triticum durum* and improvement of quality. New opportunities and challenges for improving crop productivity through Biotechnology, HAU, Hisar, India. February 13-15, 2002
35. Rao YS, Singh B, **Garg M** and Dhaliwal HS. Triticin variation among cultivated and diploid progenitors of wheat. Fourth Punjab Science Congress. PAU, Ludhiana, India. pp 13, 2001
36. **Garg M**, Singh S and Parkash O. RNA pattern in relation to protein accumulation in developing seeds of Bengal gram (*Cicer arietinum* L.) National symposium on HRD requirements of biotech. Industry in agriculture sector. PAU, Ludhiana, India. pp 59, 1999
37. Singh S, Sodhi M, Sidhu JS, Mangat GS, **Garg M**, Dhaliwal HS, Brar DS, George L, Leung H and Kush GS. Genetic diversity in *Xanthomonas oryzae* Pv. *Oryzae* population and its management. General meeting of International Program on rice biotechnology. Malacca, Malasia. pp 237, 1997
38. **Garg M**, Singh S, Parkash O and Sodhi M. Relationship between protein accumulation and RNA synthesis during seed development in Bengal gram genotypes. Platinum jubilee (1921-1996) of department of biochemistry, Indian institute of science and the 65th annual meeting of society of biological chemists, Hisar, India. pp 116, 1996