

Dr. Aqib Iqbal

List of Publications

Manuscripts published in Refereed Journals

1. Khan NU, Siddiq L, Ali I, Iqbal A, Munir I, Rashid F, Ali S, Raziq F and Swati ZA (2010) Prevalence of Hepatitis B in the blood donors of NWFP and FATA regions and the current scenario of HBV infection in Pakistan. *African J Biotech.* 9: 6161-6166.
2. Ali I, Rehman MU, Rashid F, Khan SU, Iqbal A, Liixin X, Ahmed NU, Swati ZA (2009) Cis-regulatory elements affecting the *Nanos* gene promoter in the germline stem cells. *J Biotech.* 145: 323-329.
3. Iqbal A, Yabuta Y, Takeda T, Nakano Y and Shigeoka S (2006) Hydroperoxides reduction by thioredoxin-specific glutathione peroxidase isoenzymes of *Arabidopsis thaliana*. *FEBS J.* 273: 5589-5597.

Manuscripts in Refereed Journals (In Press)

1. Khan WM, Munir I, Ahmad M, Iqbal A, Ali I, Ahmad D, Hussain F and Swati ZA (2010). Assessment of Genetic Diversity of *Brassica juncea* Germplasm Using RAPD Markers. *African J. Biotech.* (In press).
2. Arif M, Jan MT, Khan NU, Akbar H, Khan SA, Khan MJ, Khan A, Munir I and Iqbal A (2010) Impact of plant populations and nitrogen levels on maize. *Pak. J. Botany.* 42(6): (In press)
3. Ali S, Munir I, Ahmad M, Iqbal A, Ali I, and Swati ZA (2010) Characterization of *Brassica napus* germplasm based on molecular markers. *African J Biotech.* (In press).

Manuscripts published in non-refereed Journals (HEC recognized)

1. Ahmad G, Quresh Z and Iqbal A (2001) Response of sunflower hybrids to different planting dates in Peshawar Valley. *Sarhad J Agric.* 17(4): 561-564.
2. Awan AA, Ahmad G, Iqbal A and Quresh Z (2001) Effect of different scarification treatments on the seed germination and seedling height of wild olives. *Sarhad J Agric.* 17(3): 373-375.
3. Ahmad G, Quresh Z, Khan SD, Iqbal A (2001) Study on the intercropping of soybeans with maize. *Sarhad J Agric.* 17(2): 235-238.

Manuscripts published in non-refereed Journals

1. Shuja MN, Nayab D, Ali M, Iqbal A and Khalil IH (2010) Evaluating the response of wheat genotypes to forage clipping. *Int. J. Agri. Biol.* 12(1): 111-114.
1. Awan AA, Iqbal A, JavedurRehman M and Idris G (2003) Response of hardwood olive cuttings to different growth media and basal injuries for propagation. *Asian J Plant Sc.* 2(12): 883-886.
2. Awan AA, Iqbal A and Idris G (2003) The germination of European type Olive seeds as affected by different sowing methods. *Asian J Plant Sc.* 2(12): 881-882.

3. Saleem K, Hameed AK, Iqbal A and JavedurRehman M (2002) Effect of different media on growth and quality of *Gladiolus* (*Gladiolus hartulanus* cv. Jacksonville Gold). *Asian J Plant Sc.* 1(6): 670-671
4. Iqbal I, Bakht J and Shafi M (2000) Response of Various Sorghum Genotypes to Different Salinity Levels at Early Growth Stage. *Pakistan J Bio Sc.* 3(9): 1406-1408.

Conference Proceedings

1. Iqbal A, Alam R, Ali I, Khan I, Munir I, Swati ZA. (2010). Exogenous application of Ca^{2+} and K^{+} improves water relations and protect cellular membranes and chlorophyll against the water deficit induced oxidative stress in *Brassica napus* seedlings. First National Conference on Biotechnology and Microbiology at Bara Gali. Arranged by Centre of Biotechnology and Microbiology, University of Peshawar from July 4 to 7, 2010.
2. Iqbal A (2008) Mechanism of abiotic stress tolerance in crop plants. 1st International Symposium on Biotechnology; current trends at University of Malakand. July 2-4, 2008. 24
3. Iqbal A and F Ali (2008) Oncogene identification and human genome sequencing. 1st International Symposium on Biotechnology; current trends at University of Malakand. July 2-4, 2008.
4. Iqbal A, Yabuta Y, Takeda T, Nakano Y and Shigeoka S (2007) Molecular and functional characterization of glutathione peroxidase gene family in *Arabidopsis thaliana*. 1st National Symposium on Biotechnology; Recent advances at University of Malakand. May 21-24, 2007. 12
5. Iqbal A, Tomo H, Yabuta Y, Takeda T, Nakano Y and Shigeoka S (2007) Enhanced susceptibility of *Arabidopsis* glutathione peroxidase, AtGPX3 and 6 knockout mutants to oxidative stress. Proceedings of 19th Conference of the Japanese Society of Biosciences, Biotechnology and Agrochemistry, 25-27 March 2007 Tokyo. 216
6. Iqbal A, Nakanishi K, Takeda T, Nakano Y and Shigeoka S (2006) Molecular characterization of glutathione peroxidase (GPX like protein) isoenzymes of *Arabidopsis thaliana*. Proceedings of 19th Conference of the Japanese Society of Biosciences, Biotechnology and Agrochemistry, 25-27 March 2006 Kyoto. 186

Manuscripts submitted for publications

1. Shuja MN, Ali W, Iqbal A, Ali I, Munir I, Ahmad G, Iqbal M and Swati ZA (2010) Maize breeding for marginal lands; physiological and molecular approach to decipher response and select maize RILs under water deficit at early growth stage. *African Journal of Biotechnology* (under Review).
2. Iqbal A, Alam R, Ali I, Munir I Swati ZA and Khan I (2010) Exogenous application of Ca^{2+} and K^{+} improves water relations and protect cellular membranes and chlorophyll against the water deficit induced oxidative stress in *Brassica napus* seedlings. *Plant Physiology and Biochemistry* (under Review).
3. I Munir, S Ali, M Ahmad J Abbas, A Iqbal, I Ali and ZA Swati (2010) Biochemical characterization of local and exotic *Brassica napus* germplasm. *Pak J. Bot.* (Submitted).

4. Munir I, El-Awady M, Iqbal A and Nakano Y (2010) Purification and Characterization of a Novel NADP⁺-dependent Alcohol Dehydrogenase from *Euglena gracilis* Z. Journal of Eukaryotic Microbiology (Submitted)
5. Iqbal A, Ali I, Munir I, Shigeka S, Takeda T and Nakano Y (2010) Altered redox homeostasis with Glutathione peroxidase knockout ($\Delta gpx3$) mutation in *Arabidopsis thaliana* under drought stress (Manuscript)
6. Iqbal A, Ali I, Munir I, Shigeka S, Takeda T and Nakano Y (2010) AtGPX3 and 6 double mutation results in increased production of ROS and enhanced damage to the *Arabidopsis thaliana* seedlings under salt stress conditions (Manuscript).