

Dr. Iqbal Munir
List of Publications
Research Publications (Impact Paper Journals)

1. Shahid Ali, **Iqbal Munir**, M. Arif, Inamullah, Farhatullah, Ijaz Ali, Aqib Iqbal, Mushtaq Ahmad, M. Wisal Khan, S. Jaffar Abbas and Zahoor Ahmad Swati (2011) Characterization of *Brassica napus* germplasm based on molecular markers. **African J. Biotechnology 10 (16): 3035-3039.**
2. Wisal M Khan, **Iqbal Munir**, Mushtaq Ahmad, Aqib Iqbal, Ijaz Ali, Dawood Ahmad, Fida Hussain, and Zahoor A. Swati. (2011). Assessment of Genetic Diversity of *Brassica juncea* Germplasm Using RAPD Markers. . **African J. Biotechnology 10 (19): 3654-3658.**
3. Najib U Khan¹, Ijaz Ali, Naeem U Ahmad, Aqib Iqbal, Latif U Rehman, **Iqbal Munir**, Muti U Rehman, Sanaullah Khan, Sajid Ali, Lubna Siddique and Zahoor A Swati (2011) Prevalence of active HCV infection among the blood donors of Khyber Pakhtunkwa and FATA region of Pakistan and evaluation of the screening tests for anti-HC. *Virology Journal* **8**: 154 doi:10.1186/1743-422X-8-154.
4. Ijaz Ali, Aqib Iqbal, Iqbal Munir (2011) Prevalence of HCV among the high risk groups in Khyber Pakhtunkhwa. *Virology Journal* **8**:296 (Doi: 10. 1186/1743-422X-8-296).
5. Malik Nawaz Shuja, Wajid Ali, Aqib Iqbal, Ijaz Ali, **Iqbal Munir**, Gulzar Ahmad, Muhammad Iqbal and Zahoor Ahmad Swati (2011) 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* **10 (18): 3521-3527.**
6. Ihsan Ullah, Aqib Iqbal, Ijaz Ali¹, **Iqbal Munir**, Essa Ali¹, Syed Jehangir Shah¹, Najib Ullah, Sajid Ali Khan Bangash, Zahoor Ahmad Swati and Muhammad Subhan Qureshi (2011) Role of dietary supplementation in the protein content of bovine milk. *African Journal of Biotechnology* **10 (18): 3624-3627.**
7. Rozina Hamayoon, Hamayoon Khan, Lubna Naz, **Iqbal Munir**, M. Arif , and Ibni Amin Khalil (2011) Performance of Chickpea Genotypes Under Two Different Environmental Conditions. **African J. Biotechnology 10 (9): 1534-1544.**
8. **Jehan Bakht** , M. Shafi, R. Shah, R. Din and Iqbal Munir (2011). Response of maize cultivars to various priming sources. *Pak J. Bot.* **43 (1): 205-212.**

9. MUHAMMAD ARIF, MOHAMMAD TARIQ JAN, NAQIB ULLAH KHAN, IQBAL MUNIR, ZIAUDDIN, HABIB AKBAR, AND MUHAMMAD ZAFARULLAH KHAN (2011) EFFECT OF CROPPING SYSTEM AND RESIDUE MANAGEMENT ON MAIZE. Pakistan Journal of Botany, Volume No. 43(2): 915-920.
10. Raham Sher Khan, Syed Sartaj Alam, **Iqbal Munir**, Pejman Azadi, Ikuo Nakamura and Masahiro Mii (2010). Botrytis cineria-resistant marker-free petunia hybrid produced by MAT vector system. **Plant Cell, Tissue & Organ Culture** DOI: 10.1007/s11240-010-9888-0.
11. Raisa Bano, Mohammad Haroon Khan, Raham Sher Khan, Hamid Rashid, **Iqbal Munir** and Zahoor A. Swati. (2010) Callogenesis and Organogenesis in three genotypes of *brassica juncea*. Pak. J. Botany **42(6): 3925-3932**.
12. Muhammad arif, Muhammad Tariq Jan, Naqib Ullah Khan, Habib Akbar, Shad Ali khan, M.J. Khan, Ahmad Khan, **Iqbal Munir** and Aqib Iqbal (2010) Impact of plant populations and nitrogen levels on maize. Pak. J. Botany **42(6): 3907-3913**.
13. Najib ullah khan, Lubna Siddique, Ijaz Ali, Aqib Iqbal, **Iqbal Munir**, Farzana Rashid, Sajid Ali, Zahoor Ahmad Swati (2010) Prevalence of Hepatitis B in the blood donors of N-W.F.P and FATA regions and the current scenario of HBV Infection in Pakistan. **African Journal of Biotechnology** **9(37): 6162-6166**.
14. Naushad Ali Turi, Raziuddin, Farhatullah, Naqib Ullah Khan, **Iqbal Munir** and Sajid Khan (2010) **Combining ability analysis in *Brassica juncea* L. for oil quality traits**. **African Journal of Biotechnology** **9(26): 3998-4002**.
15. Muhammad Arif, Mohammad Tariq Jan, Naqib Ullah Khan, Ahmad Khan, M.J. Khan and **Iqbal Munir** (2010) Effect of seed priming on growth parameters of soybean. Pak. J. Botany. Vol. **42 (4): 2803-2812**.
16. Muhammad Arif, Ibne Amin, Mohammad Tariq Jan, **Iqbal Munir**, Khalid Nawab, Naqib Ullah Khan and Khan Bahadar Marwat (2010) Effect of Plant population and Nitrogen levels and methods of applications on ear characters and yield of Maize. **Pak. J. Botany**. Vol. **42 (3): 1959-1967**.
17. **Sayed Jaffar Abbas, Farhatullah, Khan Bahadar Marwat, I. A. Khan and Iqbal Munir (2009) Molecular analysis of genetic diversity in *Brassica* species. Pak. J. Bot. 41 (1): 167-176**
18. Zamarud Shah, **Iqbal Munir**, Shahid Ali, Arshad Iqbal, Saqib Mumtaz, Rab Nwaz and Zahoor Ahmed Swati (2009) Genetic diversity of Pakistani maize genotypes using chromosome specific simple sequence repeat (ssr) primer sets. **African Journal of Biotech.** **8(3):375-379**.

19. **Sayed Jaffar Abbas, Farhatullah, Imtiaz Ahmed Khan, Khan Bahadar Marwat, and Iqbal Munir (2008)** Molecular and biochemical assessment of *Brassica napus* and indigenous *campestris* Species. *Pak. J. Bot.* 40 (6): 2461-2469.
20. W. Ali, **I. Munir**, Mian A. Ahmed, Z. A. Swati (2007) Molecular Characterization of some local and exotic *Brassica juncea* germplasm. **African Journal of Biotechnology** 6 (14):1634-1638
21. **Munir, I.**, Zahoor A. Swati, R. Yamaji, H. Inui, nd Y. Nakano (2006). Purification and Chracterization of a novel NADP⁺-linked ADH from *Euglena gracilis* Z. **Molecular & Cellular Proteomics** volume 5 (10) (Suppl.): 379.
22. El-Awady Mohamed, Toshio Iwaki, **Iqbal Munir**, Masahiro Tamoi, Shigeru Shigeoka, Akira Wadano (2003). Over expression of bacterial catalase in tomato plants chloroplasts enhances photooxidative stress tolerance. **Plant, Cell and Environment.** 26:2037-2046.
23. **Munir, I.**, M. Nakazawa, K. Harano, R. Yamaji, H. Inui, K. Miyatake, and Y. Nakano (2002). Occurrence of a novel NADP⁺-linked alcohol dehydrogenase in *Euglena gracilis* Z. **Comp. Biochem. Physiol.** Part B: Biochemistry and Molecular Biology. 132 (3): 535 – 540

RESEARCH PUBLICATIONS (Other Journals)

24. Sikandar, Waqar Ali, Israr Khan and **Iqbal Munir (2007)** Optimization of in vitro conditions for callus induction, proliferation and regeneration in wheat (*Triticum aestivum* L.) cultivars. *Biotechnology* 6 (3): 420-425.
25. Nisar Ahmad, **Iqbal Munir**, Wisal Muhammad, waqar Ali and Zahoor A. Swati (2007) PCR-based genetic diversity study of rapeseed (*B.napus* and *B.campestris*) germplasm using randomly polymorphic DNA (RAPD). **Biotechnology** 6 (3):334-338.
26. Mian Afaq Ahmad, **Iqbal Munir**, Zahoor A. Swati, Waqar Ali, Quahir Sohail and Imran khan (2007) Assessment of genetic diversity of local and exotic *brassica napus* germplasm. . *P J. Biological Sciences* 10(15):2490-2494.
27. Waqar Ali, Hidayatur Rahman, Kafeel Ahmad, **Iqbal Munir**, Ahmad Khan (2007) Genetic Variability among maize hybrids for yield and yield components. **Sarhad Journal of Agriculture** 23(1): 75-79.

28. Shahid Ali, Syed Meher Ali Shah, Ali Hassnain, Zamrud Shah, **Iqbal Munir (2007)** Genotypic Variation for yield and morphological traits in wheat. **Sarhad Journal of Agriculture 23(4):943-946.**
29. Zamarud Shah, Syed Mehar Ali Shah, Ali Hassnain*, Shahid Ali, Iftikhar Hussain Khalil and **Iqbal Munir (2007)** Genotypic variation for yield and yield related traits and their correlation studies in wheat. **Sarhad Journal of Agriculture 23 (3):633-636**
30. Nisar Ahmad, Amanullah*, Tahir Jamal, **Iqbal Munir**, Asad Ali and Munir Khan **(2007)** Residual effect of nitrogen applied to maize, on yield of barley. **Sarhad Journal of Agriculture 23 (3): 549-552**
31. **Munir, I.**, Z. A. Swati, M. H. Rashid, R. Yamaji, H. Inui, and Y. Nakano **(2006)**. Separation and Properties of two NADP⁺-dependent alcohol dehydrogenases from *Euglena gracilis* Z. P.J. Biological Sciences 9(15):2743-2747.
32. **Munir, I.**, Mohamed El-Awady, H. Hayashi, R. Yamaji, H. Inui, A. Wadano and Y. Nakano **(2004)**. Effect of Different Substrates on the Growth of *Euglena gracilis* and Activities of Alcohol Dehydrogenase and Glyoxylate Cycle-key Enzymes. **Applied Biological Science. 8:** 23-33.
33. Mohamed EL-AWADY, Takehiro MASUMURA, Kunisuke TANAKA2, **Iqbal MUNIR**1, Toshio IWAKI and Akira WADANO **(2003)** Enhancement of Oxidative Stress Tolerance in Transgenic Tomato Expressing the Spinach Copper Zinc SOD in the Chloroplasts. **Applied Biological Science. 7:** 85-96.
34. **Munir, I.**, M.S. Swati, F. Muhammad, R. Ahmad, and M. Imtiaz **(1999)**. Heterosis in different crosses of wheat (*Triticum aestivum* L.). Sarhad Journal of Agriculture (Pakistan).**15(4):** 299-303.
35. Imtiaz, M., Z. Ahmad, R. Ahmad, and **I. Munir. (1998)**. Evaluation of relative leaf water content as a physiological index for drought tolerance in different wheat genotypes. Scientific Khyber (Pakistan). **11(2):** 63 – 69.
36. Ahmad, R., **I. Munir**, A. Zada, and Z. Shah **(1997)**. Response of wheat varieties to different planting dates at Chitral valley. Sarhad Journal of Agriculture (Pakistan). **xiii(4):** 317 – 321.
37. Ahmad, R., Z. Quresh, and **I. Munir. (1997)**. Heterosis and heterobeltiosis studies in sunflower. Sarhad Journal of Agriculture (Pakistan). **xiii(4):**377-381.

38. Ahmad, R., M.S. Swati, H. Rehman, and **I. Munir (1997)**. Screening of wheat genotypes under different levels of salt for yield and yield components. *Sarhad Journal of Agriculture (Pakistan)*. **xiii(3)**: 284 – 289.

RESEARCH PUBLICATIONS (ACCEPTED/SUBMITTED)

1. Rizwan Alam, Aqib Iqbal, Ijaz Ali, **Iqbal Munir**, Zahoor Ahmad and Ikhtiar Khan (2010) Exogenous application of Ca²⁺ and K⁺ improves water relations and protect cellular membranes and chlorophyll against the water deficit induced oxidative stress in *Brassica napus* seedlings. **Under Review in Plant Physiology and Biochemistry.**
2. Lubna Siddique, Ijaz Ali, Iqbal Munir, Latifur rehman, Aqib Iqbal, Farzana Rashid, Zahoor Ahmad Swati (2010) **Prevalence of HCV among the various risk groups in Khyber Pakhtunkhwa.**
3. Ihsanullah, **Ijaz Ali**¹, Iqbal Munir, Latifur rehman, Aqib Iqbal, Farzana Rashid, Zahoor Ahmad Swati (2010) **Prevalence of HCV and HCV genotypes among the IDUs in Khyber Pakhtunkhwa.**
4. Ijaz Ali, Sanaullah Khan, Abdul Hamid Jan, Shahid Niaz Khan, Aqib Iqbal, Iqbal Munir¹, Sami Siraj (2010) **Mutations in HCV NS5A gene and the treatment response in hepatitis C virus genotype 3A infected patients.**
5. Iqbal Munir, Shahid Ali, Mushtaq Ahmad Jaffar Abbas, Farhatullah, and Zahoor Ahmad Swati (2011) Biochemical characterization of local and exotic *Brassica napus* germplasm. **African J. Biotechnology (Accepted).**
6. **Iqbal Munir**, Mohamed El-Awady, Aqib Iqbal and Yoshihisa Nakano. (2011). Purification and Characterization of a Novel NADP⁺-dependent Alcohol Dehydrogenase from *Euglena gracilis* Z. **Journal of Eukaryotic Microbiology (Submitted)**