

Prof. Dr. Fida Mohammad

List of Publications

a. Publications in Journals with Impact Factor

Khan S.A., N.U. Khan, **F. Mohammad**, M. Ahmad, I.A. Khan, I.U. Khan, Z. Bibi, And S. Shaheen. 2011. Combining Ability Analysis In Intraspecific F1 Diallel Cross of Upland Cotton. Pakistan Journal Of Botany.43(3):1719-1723.

Ahmad M., NU. Khan, **F. Mohammad**, S.A. Khan, I. Munir, Z. Bibi, S. Shaheen and I.U. Khan. 2011. Genetic Potential And Heritability Studies For Some Polygenic Traits In Cotton (*Gossypium Hirsutum L.*) Pakistan Journal Of Botany.43(3): 1713-1718.

Mohammad F., O.S. Abdalla, S. Rajaram, Ala'a Yaljarouka, Naqib Ullah Khan, Amir Zaman Khan, Shad Khan Khalil, Iftikhar Hussain Khalil, Ijaz Ahmad And Sultan Akbar Jadoon. 2011. Additive Main Effect And Multiplicative Anaylysis Of Synthetic-Derived Bread Wheat Under Varying Moisture Regimes. Pak. J. Bot., 43(2): 1205-1210.

Khalil S.K., Faridoon Khan, A. Rehman, **Fida Muhammad**, Amanullah, A.Z. Khan, S. Wahab, S. Akhtar, M. Zubair, I.H. Khalil, M. Kalan Shah, Humayun Khan. 2011. Dual Purpose Wheat For Forage And Grain Yield In Response To Cutting, Seed Rate And Nitrogen. Pak. J. Bot., 43(2): 937-947.

Raziuddin, Farhatullah, Ghulam Hassan, M. Akmal, S. Salim Shah, **Fida Mohammad**, M. Shafi, Jehan Bakht and Weijun Zhou. 2011. Effects of cadmium and salinity on growth and photosynthesis parameters of Brassica species. Pak. J. Bot., 43(1):333-340.

Hidayat Ullah, Iftikhar Hussain Khalil, Hidayat-ur-Rahman, **Fida Muhammad**, Ibni Amin Khalil and Shad Khan Khalil. 2011. Environmental influence on heritability and selection response of morpho-physiological traits in mungbean. Pak. J. Bot., 43(1): 301-310

Mohammad F., Ijaz Ahmad, Naqib Ullah Khan, Khurram Maqbool, Aysha Naz, Salma Shaheen and Khalid Ali. 2011. Comparative study of morphological traits in wheat and triticale. Pak. J. Bot., 43(1):165-170.

Mohammad F., O.S. Abdalla, S. Rajaram and A. Yaljarouka. 2010. Yield of synthetic-derived bread wheat under varying moisture regimes. Pak. J. Bot. 42(6): 4103-

4112.

- Khalil S.K., A. Wahab, A. Rehman, **Fida Muhammad**, S. Wahab, A. Z. Khan, M. Zubair, Mir Kalan Shah, I. H. Khalil And R. Amin. 2010. Density And Planting Date Influence Phenological Development Assimilate Partitioning And Dry Matter Production Of Faba Bean. Pak. J. Bot. 42(6) 3831-3838.
- Khan A.Z., P. Shah, **F. Mohd**, H. Khan, Amanullah, S. Perveen, S. Nigar, S.K. Khalil and M. Zubair. 2010. Vigor tests used to rank seed lot quality and predict field emergence in wheat. Pak. J. Bot. 42(5) 3147-3155.
- Makhdoom, K., N.U. Khan, S. Batool, Z. Bibi, Farhatullah, **F. Mohammad**, D. Hussain, Raziuddin, M. Sajjad and N. Khan 2010. Genetic aptitude and correlation studies in *G. Hirstum* L. Pak. J. Bot., 42(3) 2011-2017.
- Khalil S.K., Shitab Khan, Abdur Rahman, Amir Zaman Khan, I.H. Khalil, Amanullah, Said Wahab, **Fida Mohammad**, Shaheen Nigar, Muhammad Zubair, Sajida Parveen And Ahmad Khan. 2010. Priming And Phosphorus Application Enhance Phenology And Dry Matter Production Of Wheat. Pak. J. Bot. 42(3) 1849-1856.
- Batool, S., N.U. Khan, K. Makhdoom, Z. Bibi, G. Hassan, K. B. Marwat, Farhatullah, **F. Mohammad**, Raziuddin and I.A. Khan 2010. Heritability and genetic potential of upland cotton genotypes for morpho-yield traits. Pak. J. Bot., 42(2) 1057-1064.
- Khalil, S.K., T.Mehmood, A. Rehman, S. Wahab, A. Zaman, M. Zubair **F. Mohammad**, Naqibullah. K, Amanullah and I.H. Khalil. 2010. Utilization of allelopathy and planting geometry for weed management and dry matter production of maize. Pak. J. Bot., 42(2):791-803.
- Khalil, S.K., J.G. Mexal, A. Rehman, A. Z. Khan, S. Wahab, M. Zubair, I.H. Khalil and **F. Mohammad** 2010. Soybean mother plant exposure to temperature stress and its effect on germination under osmotic stress. Pak. J. Bot., 42(1):213-225.
- Inamullah, H. Ahmad, **F. Mohammad**, G. Hassan, Siraj-ud-din, and R. Gul. 2006. Diallel analysis of the inheritance pattern of agronomic traits of bread wheat. Pak. J. Bot. 38(4): 1169-1175.
- Inamullah, H. Ahmad, **F. Mohammad**, Siraj-ud-din, G. Hassan and R. Gul. 2006. Evaluation of the heterotic and heterobeltiotic potential of wheat genotypes for improved yield. Pak. J. Bot. 38(4): 1159-1168.
- Mohammad F.**, J. M. Windes and E. J. Souza. 1997. Total non-structural carbohydrates in winter wheat populations segregating for snow mold tolerance. Crop Sci. 37:108-112.

b. Publications in HEC recognized Journals

- Shams-ur-Rahman., S.K Khalil, A.Z Khan, F. Subhan, M. Younis, **F. Mohammad** and Nazir Jan 2010. Poly Ethylene Glycol (PEG) osmopriming affects phenology, plant height and biomass yield of rainfed wheat. *Sarhad J. Agric.* 26(3):337-348.
- Usman, K., S.K Khalil, **F. Mohammad**, M. A Khan and A.Z Khan 2009. Weed management in wheat as affected by tillage and herbicides. *Pak. J. Weed Seci. Res.* 15(2-3):155-169.
- Shah, S.M.A., A. Ahmad, **F. Mohammad**, H. Rahman, G. Woras, M.Y. Khan, and D. Jan. 2008. Genotypic evaluation of some flue-cured Virginia tobacco genotype for yield and quality traits. *Sarhad J. Agric.* 24(4):607-611.
- Ali, M., **F. Mohammad**, S.A. Jadoon and F. Ahmad. 2007. Genotypic performance of segregating wheat populations at Kaghan. *Sarhad J. Agric.*, 23(4):981-984.
- Ahmad F., F. Mohammad, M. Bashir, Saifullah and Hakim Khan. 2007. Inheritance of important traits in bread wheat over different planting dates using diallel analysis. *Sarhad J. Agric.* 23(4):956-963.
- Hassan, G., **F. Mohammad**, S.S. Afridi and I. Khalil 2007. Combining ability in the F1 generations of diallel cross for yield and yield components in wheat. *Sarhad J. Agric.*, 23(4):937-942.
- Mohammad, F.**, S. Akbar. S. M. Rashid and S. Shaheen. 2006. Heritability estimates for coleoptile length and other traits in bread wheat. *Sarhad J. Agric.* 22(3): 405-408.
- Hassan, G., **F. Mohammad**, I. Khalil, Raziuddin and M. Jan. 2006. Combining ability analysis through diallel crosses in bread wheat. *Sarhad J. Agric.* 22(3): 419-425.
- Inamullah, **F. Mohammad**, Siraj-ud-Din, G. Hassan and S. Ali. 2006. Combining ability analysis for important traits in bread wheat. *Sarhad J. Agric.* 22(1): 46-50.
- Inamullah, **F. Mohammad**, G. Hassan, Siraj-ud-Din and S. Akber. 2005. Genetics of important traits in bread wheat (*Triticum aestivum* L.) using diallel analysis. *Sarhad J. Agric.* 21(4): 617-622.
- Hassan G., **F. Mohammad**, S. Shah and M. Jan. 2005. Heterotic effects for grain yield and associated traits in an eight parent diallel of bread wheat. *Sarhad J. Agric.* 21(4): 607-610.
- Gul H., **F. Mohammad**, K. Maqbool and A. Naz. 2004. Studies on yield components in wheat vs triticale. *Sarhad J. Agric.* 20(4): 533-536.
- Ahmad F., S.Salim Shah, Ghulam Hassan Raziuddin and **F. Mohammad**. 2004. Evaluation of different wheat genotypes under agro-climatic conditions of Mansehra. *Sarhad J.*

Agric. 20(4): 529-532.

Mohammad F., S.M.A. Shah, M.S.Swati, T. Shehzad and S.Iqbal (2004), Genotypic variability for yield and morphological traits in bread wheat (*Triticum aestivum* L.). Sarhad J. Agric. 20(1): 67-71.

Shah S.M.A, **F. Mohammad**, M.S.Swati and S.Iqbal (2003). Genotypic variability for yield associated traits in bread wheat. Sarhad J. Agric. 19(4): 535-538.

Ahmad M, **F. Mohammad**, K. Maqbool, A. Azim and S. Iqbal, 2003. Genetic variability and traits correlation in wheat. Sarhad J. Agric. 19(3): 347-351.

Maqbool K, **F. Mohammad** and M. Ahmad, 2003. Heritability and traits correlation in Triticale. Sarhad J. Agric. 19(2): 203-206.

Shahid M., **F. Mohammad** and M. Tahir, 2002. Path coefficient analysis in wheat (*Triticum aestivum* L.) Sarhad J. Agric. 18(4): 383-388.

Mohammad F., H. Daniel, K. Shahzad and H. Khan (2001), Heritability estimates for yield and its components in wheat (*Triticum aestivum* L.). Sarhad J. Agric.17(2):227-234.

Ihsanullah and **F. Mohammad** (2001), Correlation of yield and yield associated traits in spring wheat. Sarhad J. Agric. 17(1):97-100.

Munir I, M.S. Swati, **F. Muhammad**, R. Ahmad and M. Imtiaz. 1999. Heterosis in different crosses of wheat (*Triticum aestivum* L.). Sarhad J. Agric. 15(4):299-303.

Mohammad F., M. S. Swati, G. Hassan and A. Rafi. 1997. Heritability estimates of some traits in spring wheat (*Triticum aestivum* L.). Sarhad J. Agric. XIII(1):61-65.

Ahmed, I., M.S. Swati and **F. Mohammad**. 1995. Comparative performance of F₆ populations in wheat (*Triticum aestivum* L.). Sarhad J. Agric. XI(5):631-634.

Mohammad F., M.S. Swati, H. Rahman and G. Hassan. 1995. Heritability estimates of Flag leaf lamina area and flag leaf sheath length in an 8x8 diallel of wheat. Sarhad J. Agric. XI(5):619-625.

Hassan, G., Raziuddin, Saeedul Hasan, H. Rehman and **F. Mohammad**. 1995. Heritability estimates of post-harvest parameters in mungbean (*Vigna radiata* L.) genotypes. Sarhad J. Agric. XI(4):429-433

Swati, M.S., Gul Zada, Asad Ali, H. Rahman and **F. Mohammad**. 1994 Combining ability of plant height and other lodging related traits of spring wheat under saline and fresh water conditions. Sarhad J. Agric. X (6): 655-665.

Aziz, A., M. Saleem, H. Rahman and **F. Mohammad**. 1992. Performance of maize

`hybrids under irrigated condition. Sarhad J. Agric. Vol. III (5): 509-512.

Aziz, A., M. Saleem, H. Rahman and **F. Mohammad** 1992. Genetic variability for yield and disease resistance in full and short season varieties of maize. Sarhad J. of Agric. Vol. VIII (2): 195-198.

c. Publications in Local Journals

Saqib., M.S., S. J.A. Shah, F. Mohammad, M. Ibrahim and S. Ali 2008. Genotypic variability for *Alternaria alternate* (Fr.) Keissler infection in bread wheat. 7(1):34-39.

Mohammad F, E. Souza, M. Guttieri and H. Rahman, 2001. A rapid technique for evaluating snow mold tolerance in wheat. Pak. J. Pl. Sci. 7(1-2):83-88.

Ahmed R, H. Rahman, G. Hassan, M. Ahmad and **F. Muhammad**. 1999. Screening of maize synthetics for drought tolerance. Pak. J. Pl. Sci. 5(2):121-132.

Ihsan Ullah and **F. Muhammad** 2000. Performance of wheat genotypes under agroclimatic conditions of Peshawar. Scientific Khyber 13(1):57-63.

c. International Presentations/Proceedings

Ahmad, F., F. Mohammad, S. Akbar, H. Khan and S. Q. Ahmad 2006. Genetic analysis of some quantitative traits in bread wheat across environments. Int. Wheat Seminar, organized by wheat Res. Instt. Faisalabad pg 25-28.

F. Muhammad, J. M. Windes and E. J. Souza. 1994. Typhula snow mold tolerance in winter wheat. The American phytopathological Society Meeting.

F. Muhammad, J. M. Windes., E. J. Souza and R. S. Zemetra. 1993. Predication of snow mold tolerance in wheat from total non- structural carbohydrate content. ASA CSSA and SSA Ann. Agron Meeting

F. Muhammad, M.S. Swati., E. J. Souza. 1992. Heritability of some agronomic characters in wheat under Peshawar conditions, (Pakistan). ASA CSSA and SSA

Souza, E., J.M. Windes, K. O'Brien, W. Barrus, C. Mulligan, **F. Muhammad** and L.A. Mercado. Dryland winter and spring wheat trials, Bonneville Country. Bonneville County Field Day, Idaho, July 1993.

Souza, E., J.M. Windes, K. O'Brien, W. Barrus, C. Mulligan, **F. Muhammad** and L.A. Mercado. Irrigated wheat review panel: advanced lines of irrigated wheat, Aberdeen wheat Breeding Field Day, Aberdeen Idaho, July 1993.

Souza, E., J.M. Windes, K. O'Brien, W. Barrus, C. Mulligan, **F. Muhammad**, and L.A. Mercado. Wheat breeding at the university of Idaho, Aberdeen R & E Center. Winter Commodity School, Pocatello, Idaho; Idaho Falls, Idaho, February 1993.

Souza, E., J.M. Windes, K. O'Brien, W. Barrus, C. Mulligan, **F. Muhammad** and L.A. Mercado. Irrigated wheat cultivars for Bingham and Power Counties, Modern Mills Grower Seminar, Blackfoot, Idaho, January 1993.