

Dr. Rozina Gul

Publications

IMPACT FACTOR PUBLICATIONS:

1. Khadijah makhdoom , Naqib ullah khan, Shahid ullah khan, Samrin gul , Zarina bibi , Rozina gul, Sardar ali, Naushad ali , Shah masaud khan(2019). Genetic Effects Assessment through Line \times Tester Combining Ability for Development of Promising Hybrids Based on Quantitative Traits in *Gossypium hirsutum* L. *Tarım Bilimleri Dergisi – Journal of Agricultural Sciences*, 25: 47-61
2. Afridi, K., N.U. Khan, Z. Bibi, S. Gul, **R. Gul**, S. Ali, N. Ali, I.A. Khalil, F. Uddin and G. Ahmad, 2018. Assessment of genetic effects for earliness and yield traits in F_1 and F_2 half diallel populations of wheat. *Int. J. Agric. Biol.*, 20: 2785–2796
3. **Rozina Gul**, H. Khan, N.U. Khan, A. Latif and K. Harada, 2018. Characterization for nodulation and detection of duplicate gene action of dominant epistasis controlling root nodulation in chickpea (*Cicer arietinum*). *Int. J. Agric. Biol.*, 20: 683–688
4. Imtiaz Ali , Naqib Ullah Khan , Mehboob ur Rahman , **Rozina Gul** , Zarina Bibi , Samrin Gul , Sheraz Ahmed , Sardar Ali , Naushad Ali , Khilwat Afridi and Hafiz Abdul Haq. 2018. Genotype by Environment and Biplot Analyses for Yield and Fiber Traits in Upland Cotton. *Int. J. Agric. Biol.*, 20: 1979–1990
5. Sardar ali, Naqib ullah khan, **Rozina Gul**, Ishrat naz, Rabia goher, Naushad ali1, Sher aslam khan, Ijaz hussain, Muhammad saeed and Muhammad saeed. 2018. Genetic analysis for earliness and yield traits in maize. *Pak. J. Bot.*, 50(4): 1395-1405,
6. Hamayoon Khan, **Rozina Gul**, and Naqib Ullah Khan. 2017. Appraisal of interaction among nipping and chickpea (*cicer arietinum* L.) Genotypes and their correlated response for grain yield. *J.Agric.Pl.Sci.*, 27(4), 1295-1302
7. Kalim Ullah , Naqib Ullah Khan, **Rozina Gul** , Samrin Gul , Mohammad Irfaq Khan and Imdad Ullah Khan. 2016. Genetic effects for controlling stripe rust (*Puccinia striiformis* f. sp. tritici) resistance in wheat through joint segregation analysis. *Acta Scientiarum Agronomy* , 38(3), 317-328
8. S. Gul, N. U. Khan, **Rozina. Gul**, M. Baloch, A. Latif and I.A. Khan. 2016. Genotype by environment and phenotypic adaptability studies for Yield and fiber variables in upland cotton. *The Journal of Animal & Plant Sciences*, 26(3), 776-786
9. S. A. Khan, N. U. Khan, **Rozina Gul**, Z. Bibi, I. U. Khan, S. Gul1, S. Ali and M. Baloch. 2015. Combining ability studies for ield and fiber traits in uplant cotton. *The Journal of Animal & Plant Sciences*, 25(3): 698-707
10. **Rozina Gul***, Hamayoon Khan, Arif Khan and Naquibullah khan. 2014. Characterization of chickpea germplasm for nodulation and effect of rhizobium inoculation on nodules number and seed yield. *The Journal of Animal & Plant Sciences*, 24(5): 1421-1429.
11. **Rozina Gul***, Hamayoon khan and Naqibullah khan. 2014. Genetic linkage effect on inheritance of nodulation and leaf color in chickpea (*Cicer arietinum* L.). *SABRAO Journal of Breeding and Genetics* 46 (1) 89-98.
12. Farhan Ali*, **Rozina Gul***, Hamayoon Khan, Hidayat Ullah. 2013. Heterosis and early generation testing is a pivotal method for production of hybrid. *Australian Journal of Crop Science*, 7(11):1728-1736
13. **Rozina Gul***, and Maryam Bibi. 2013. Genetic analysis and interrelationship of yield and yield attributing traits in chickpea (*Cicer arietinum* L.). *The Journal of Animal & Plant Sciences*, 23(2): 521-526.
14. **Rozina Khan**, H. Khan, K. Harada. 2010. Evaluation of microsatellite markers to discriminate induced mutation lines, hybrid lines and cultigens in chickpea (*Cicer*

- arietinum* L). Aust. J. crop Sci, 4(5), 301-308
15. **Rozina. H.**, H. Khan, Shahenshah, L. Naz, I. Munir, M.Arif, I.A. Khalil, and A.Z. Khan. 2011. Performance of chickpea genotypes under two different environmental conditions. Afr. J. Biotechnol., 10(9), 1534-1544.
 16. Amir Z. K., H. Khan, **Roina Khan**, S. Nigar, B. Saeed, H. Gul, Amanullah, S. Wahab, A. Muhammad, M. Ayub, N. Matsue and T. Henmi. 2011. Morphology and Yield of Soybean grown on Allophanic Soil as Influenced by synthetic Zeolite Application. Pak. J. Bot. 43(4): 2099-2107
 17. Bibi, M., N.U. Khan, F. Muhammad, **Rozina Gul**, A.A. Khakwani, O.U. Sayal. 2011. Genetic divergence and association among polygenic characters in *Gossipium Hirsutum* L. Pak. J. Bot. 43(6):2751-2758
 18. Bibi, M., N. U. Khan, F. Muhammad, **Rozina Gul**, A.A. Khakwani, O.U. Sayal, I.A. Khan and M. Idrees. 2011. Genetic disparity and relationship among quantitatively inherited yield related traits in diallel crosses in upland cotton. Pak. J. Bot. 43(5): 2543- 550.
 19. Khan, M.I., G. Hassan, I. Khan, K.B. Marwat, N.U. Khan and **Rozina Gul**. 2011. Tolerance of chickpea (*Cicer arietinum* L.) cultivars to the major chickpea herbicides. Pak. J. Bot. 34(5): 2497-2501.
 20. Rozina Gul, Hamayoon Khan, Saad Ahmed, Qasim Ali, Fida Muhammad, Naqibullah Khan, Ajmaluddin. Response of chickpea (*Cicer arietinum* L). Genotypes to rhizobial inoculation and fertilizer application. Accepted for publication in *Int. J. of Agric. Biol.(IJAB)*

Publications in HEC recognized and International Journals:

21. Soshma Jan, **Rozina Gul**, Fahim Ullah Khan, Hamayun Khan and Sana Saeed. 2015. Interrelationships among yield and yield components in chickpea (*Cicer arietinum* L.) under irrigated and rainfed conditions. Pure Appl. Biol. 4(4): 551-556
22. Muhammad Adnan, Rozina Gul, Sidra Rozi, Nazir Ahmad, Touheed Iqbal Quaid Hussain, Abrar Muhammad. 2017. Genetic Diversity and Traits Association in Parental and F3 Populations of Chickpea. International Journal of Research in Agriculture and Forestry, 4(3), 27-33. ISSN 2394-5907 (Print) & ISSN 2394-5915
23. Hamayoon K., A.Z. Khan, **Rozina Gul**, Amanullah, S.K. Khalil, N. Matsue and T. Henmi. Influence of zeolite application on seed developmental profile of soybean grown in allophanic soil. Accepted in Pak. J. Botany
24. **Rozina Khan**, Farhatullah and Hamayoon Khan. 2011. Dissection of variability and heritability estimates of chickpea germplasm for various morphological markers and quantitative traits. Sarhad.J.Agric. 27(1): 67-72.
25. **Rozina Khan**, Hamayoon Khan, Shahid Sattar, Farhatullah, Fazal Munsif, Shadman Sajjid Ali Khan Bangash and Sahir Hameed Khattak. 2011. Comparison among nodulated and non-nodulated chickpea genotypes. Sarhad J. Agri., 27(2): 577-581.
26. **Rozina Gul**, Hamayoon Khan, Ghazal Mairag, Sajid Ali, Farhatullah and Ikramullah. 2007. Correlation Study on Morphological and Yield Parameters of Mungbean (*Vigna radiate*). Sarhad J. Agric. 24(1): 37-42.
27. Tariq M., **Rozina Gul**, F. Munsif, F. Jalal, Z. Hussain, N. Noreen, H. Khan, Nasiruddin and H. Khan. 2011. Effect of phosphorus levels on yield and yield

components of maize. *Sarhad J. Agric.* 27(2): 167-170.

28. Hamayoon Khan, Muhammad Arif, **Rozina Gul** and Khalid, Naveed. 2001. The Residual effect of groundnut crop and soil amendments on the performance of gram under rain fed condition. *Sarhad J. Agric.* Vol. 17(4). 525-531
29. Hamayoon Khan, M. Arif, **Rozina Gul**, Naseer Ahmad and Ijaz Ahmad Khan. 2002. Effect of planting dates on maize varieties. *Sarhad J. Agric.* Vol. 18(1):159-163.
30. Adres khan, I. A. Kan, R. Khan, I. Khan, Z. Hussain, **Rozina Gul** and S. Ali. 2011. Important chickpea weeds of New Developmental Farm, Khyber Pakhtunkhwa Agricultural University Peshawar, Pakistan. *Pak. J. Weed Sci. Res.* 17(3): 271-276.
31. Amir Z. K., H. Khan, **Rozina Khan** and A. Aziz. 2007. Vigor Tests Used to Rank Seed Lot Quality and Predict Field Emergence in Wheat. *Am. J. Plt. Phys.* 2(5): 311-317.
32. Amir Z. K., H. Khan, **Rozina Khan**, A. Ghoneim and A. Ebid. 2007. Seed Development Profile of Soybean as Influenced by Planting Dates and Cultivars under Temperate Environment. *Am. J. Plt. Phys.* 2(4):251-260.
33. Amir Z. K., H. Khan, **Rozina Khan** and Adel Ghoneim and Azza Ebid. 2007. Comparison of Different Wheat Seed Categories (VS) Farmer' seed: Yield and Yield Components. *Trends in App. Sci. Res.* 2(6): 529-534.
34. Hamayoon K., A. Z. Khan, **Rozina Khan**, Naeto Matsu and Teruo Henmi. 2008. Zeolite Application Affects Vegetative Phenology of determinate and indeterminate soybean grown on Allophanic soil. *Int. J. Agric. Res.* 3(2): 148-154.
35. Hamayoon Khan., A. Z. Khan, **Rozina Khan**, Naeto Matsu and Teruo Henmi. 2008. Water adsorption and surface acidity of nano-ball Allophane as affected by heat treatment. *J. Env. Sci. & tech.* 2 (1): 22-30.
36. Hamayoon Khan., A. Z. Khan, **Rozina Khan**, Naeto Matsu and Teruo Henmi. 2008. Soybean Leaf Area, Plant height and Reproductive Development as influenced by Zeolite Application and Allophanic Soil. *J. pl. Sci.* 3(4): 277-286.
37. Amir Z. K., H. Khan, A. Ghoneim, **Rozina Khan** and A. Ebid. 2007. Seed Quality and Vigor of Soybean as Influenced by Planting Dates, Density and Cultivar under Temperate Environment. *Int. J. of Agric. Res.* 2 (4): 368-376.
38. **Rozina Gul**, S. Ali, H. Khan, Nazia, F. Ali and I. Ali. 2007. Variability among Mungbean (*vigna radiate*) Genotypes for yield and Yield Components Grown in Peshawar Valley. *J. Agric. Bio. Sci.* 1 (4): 6-9
39. Amir Z. K., Hamayoon Khan and **Rozina Khan**. 2007. Influence of Canopy Temperature on Physio-Chemical Quality of soybean. *Res. J. Bot.*, 2 (4) 202-207.
40. Hamayoon Khan., A. Z. Khan, **Rozina Khan**, Naeto Matsu and Teruo Henmi. 2009. Influence of Zeolite Application on Germination and Seed Quality of Soybean grown on allophanic soil. *Res. J. Seed Sci.* 2(1): 1-8
41. Sajid A., M. Arif, **Rozina Gul**, Attaullah, S. Shah, S. Azam and I. Ali. 2006. Improving Maize Emergence and Early Seedling Growth through Water Soaking. *Scientific Khyber.* 19(2): 173-177.
42. M. Arif, M. A. Chohan, S. Ali, **Rozina Gul** and Sajjad Khan. 2006. Response of Wheat to Foliar Application of Nutrients. *J. Agric. & Bio. Sci.* 1(4): 30-32.

Other Research and creative accomplishments	<ol style="list-style-type: none">1. Discriminated genetic diversity of mungbean genotypes.2. Worked on nodulated and non nodulated lines of chickpea at molecular level using micro satellite markers, not attempted before.3. Evaluated Desi and Kabuli genotypes of chickpea via micro satellite markers at molecular level.4. Studied the inheritance pattern of nodulation in Chickpea.5. Working on results of Microarray analysis of chickpea in which some disease resistance genes are activated after foliar application via flavonoid from agrobacterium.
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