

CURRICULUM VITAE

Name	Rozina Gul
Personal	Nationality: Pakistani Permanent Address: Gul Colony Tehkal Palosi road near Rahat abad Peshawar Postal Address: Department of Plant Breeding & Genetics, The University of Agriculture, Peshawar. Pakistan NIC #: 16202-8764972-0 DOB: 10 / 04 / 1971 E mail: rozinagul@aup.edu.pk Phone #: Home: +92-91-5610064, Office: +92-91-216892, Ext: 3224
Objectives	As a teacher and researcher my objective is to inspire and educate the next generation of agricultural scientists by combining in-depth knowledge of plant breeding, genetics, and crop improvement with effective teaching strategies. Committed to fostering a hands-on, research-oriented learning environment that promotes sustainable agriculture, innovation, and critical thinking among students. As a plant breeder is to improve the quality and sustainability (both environmental and economic) of life on Earth by developing crops that fit better into the natural world and produce more with less.
Experience	1. Title: Professor Date: March 2022, Onward Institution: Deptt. Of plant Breeding & genetics, The University of Agricultural Peshawar, Pakistan. 2. Title: Associate Professor Date: 18 September 2017, March 2022 Institution: Deptt. Of plant Breeding & genetics, The University of Agricultural Peshawar, Pakistan. 3. Title: Assistant professor Date: 29 Dec 2009 to 17 September 2017 Institution: Deptt. Of plant Breeding & genetics, The University of Agricultural Peshawar, Pakistan. 4. Title: Lecture Date: 18th January 2005 – 28 Dec 2009 Institution: Deptt. of Plant Breeding & genetics, The University of Agricultural Peshawar, Pakistan. 5. Title: Lecturer Date: September 2002 – 17th January 2005 Institution: The University of Agriculture Public School & Collage Peshawar, Pakistan

	6. Title: Subject Specialist (Biology/Science) Date: April 2001 – September 2002 Institution: The University of Agriculture Public School & Collage Peshawar, Pakistan 7. Title: Field Coordinator Date: July, 1999 – March, 2001 Institution: Human Development Organization Doaba (HDOD) 8. Title: Senior Program Officer Date: October, 1997 – June, 1999 Institution: National Rural Support Program (NRSP)
Honors or Awards	1. Member Advanced Studies and Research Board of Kohat University of Science and Technology 2024 onward 2. Chancellor Nominee in Senate of University of Engineering and Technology Mardan 2026 onward 3. Awarded with post-doctoral Fellowship in Laboratory of Plant Nutrition and Fertilizer department at Niigata University, Niigata, Japan from April 2016 to March 2017 by Schlumberger Foundation under Faculty for the Future “2015-16” scholarships, after competing against candidate from all disciplines of science around the world. 4. Selected by State Department of USA for International Visitors Leadership Program (IVLP) in 2014, visited 8 different states of USA and gained extensive knowledge of US agriculture system its universities, research farms and various organizations and societies working in agriculture system and for welfare of farmers and women. 5. Awarded with International Research Support Initiative Program (IRSIP) scholarship for performing molecular research of my PhD work at Ehem University Matsuyama, Japan in 2008. 6. Higher Education Commission Approved Academic Supervisor 7. High Performance Award 2003-2004, The University of Agricultural School & Collage (Girls) Peshawar, Pakistan 8. Six advanced lines of chickpea are ready to enter the process of varietal approval this year 9. Reported “Duplicate gene action behind nodulation in chickpea” For the first time (not reported earlier). Int. J. Agric. Biol., 20: 1979–1990
Project/s Achieved	1. Genetic and Molecular analysis of Onion genotypes (Directorate of Science and Technology) 2. Genetic and molecular appraisal of selected chickpea (<i>Cicer arietinum</i> L.) Genotypes against pod borer (<i>Helicoverpa armigera</i>) at different Locations {National Research Program for Universities (NRPU)” project, Funded by HEC, Pakistan} 3. Development of High-Oil Soybean Varieties with Enhanced Seed Yield 4. Evaluation of the performance, adaptability, and yield stability of advanced

	chickpea lines across multiple locations in Khyber Pakhtunkhwa and identify promising lines for variety release and commercial cultivation
Supervision of Students	PHD student: Completed 2(Co Supervisor) In progress 2 (major supervisor) MPhil/MSc.(Hons) students: Completed 35 In Progress 4 MSc/BSc.(Hons) Students: Completed 50 In Progress 3
Academic Activities	- Teaching various subjects of specialization in Plant Breeding & Genetics to students of under graduate/post graduate and PHD scholars. - Supervision of students/scholar i.e. PhD, Mphil/MSc (Hons) & MSc/BSc (Hons) in research. - Guiding students in writing internship reports, review papers, synopsis and thesis. - Helping students in preparation of their seminars and presentations. - Making and Marking of Examination papers. - Helping students in statistical analysis of their research data. - Guiding students that how to apply and avail international scholarships for higher studies - Member Board of Studies, Board of Faculty, Academic council, Anti-harassment committee etc - Carrying out Research Project - Organizing Conference/Workshop/Seminars Trainings - Presentations and participation in Conference/Workshop/Seminars Trainings
Courses taught in last three years	- Principles of Genetics - Modern Techniques in Plant Breeding - Breeding Pulse Crop - Cytogenetic in Crop Plants - Breeding Crops for Quality Traits - Modern Techniques in Plant Breeding - Mutation Breeding - Genetics and Breeding of Oilseed Crops - Genetics of Insect and Disease of crop plants - Advanced genetics of crop plants
Student Evaluation	In student evaluation I got 96% on average in each semester.

Dissertations	Rozina Gul (1994). Anther culture for developing haploid plants. BSc.(Hons) review submitted to the department of Plant Breeding & Genetics, KPK Agriculture University, Peshawar. Rozina Gul (1997). Evaluation of Mungbean Genotypes under Peshawar Condition. M.Sc.(Hons) thesis submitted to the department of Plant Breeding & Genetics, KPK Agriculture University, Peshawar. Rozina Gul (2010). Genetic and Molecular Analyses of Nodulation in Chickpea (<i>Cicer arietinum</i> L.). PhD thesis submitted to the department of Plant Breeding & Genetics, KPK Agriculture University, Peshawar. Molecular work was accomplished at Ehem University Matsuyama, Japan. Rozina Gul (2016-17). Gene expression analysis and morphological characters of chickpea (<i>Cicer arietinum</i> L.) in response to application of Lipo Chitooligosaccharide from <i>Mesorhizobiumciceri</i>. Post Doctrate Research work at Niigata University, Japan.
Professional Duties	<u>Chairperson:</u> Society for the Rights of Female (SRF), The University of Agriculture Peshawar <u>Member Board of Directors AUTF (Agric. Uni. Teachers Foundation)</u> From January 2010 to December 2012 <u>Member Ethics Committee UAP</u> From 2011 till date <u>Additional chief Proctor:</u> From July 2014 -2024 <u>Deputy Staff Proctor:</u> March 2010 – 2014, UOA, Peshawar <u>Member of Agriculture University Teacher Association AUTA</u> Session 2013-14 <u>Member Harassment Committee:</u> 2015 onward in UAP <u>Incharg Discipline Committee:</u> July 2003 – February 2004 at UOA Pesh. Pub. Sc. & Col. <u>Controller Of Examination:</u> March 2002 – January 2005 2 at UOA Pesh. Pub. Sc. & Col
Conferences/ Workshop/ Trainings/ Seminars Organized/ Attended	<u>Conference/Workshop/Seminars Organized:</u> • Organizer, 10th International Horticulture Conference Expo 2026. University of Agriculture Peshawar • For NAEAC program evaluator Training workshop (2nd November 2023) at University of Agriculture Peshawar. • Food Security through sustainable plant protection strategies (16-20-January 2022) at The University of Agric. Peshawar • Indigenous Crop Improvement Programs: A Way Forward for Ensuring Food Security and Poverty Alleviation (March 21-22, 2022) Department of Plant breeding and Genetics University of Agriculture Peshawar-Pakistan • one day Policy dialogue on Plant Breeders' rights (18th October, 2022) Department Of Plant Breeding & Genetics PMAS Arid Agriculture University

	Rawalpindi, Pakistan • Sustainable Farming Through Intervention of Agriculture Mechanization and Renewable Energy Technologies (30th June & 1st July 2021) at The University of Agric. Peshawar • Plant Tissue Culture Techniques (25th and 26th April 2019) at Institute of Biotechnology and Genetics Engineering, The Uni. Of Agric. Peshawar • Seminar on protection against women harassment at workplace act 2010. 3rd September 2019 at Uni. of Agric. Peshawar • Climate Smart Agriculture and Crop Modeling (18-19 April, 2018) at Uni. of Agric. Peshawar • Research Methodologies and Scientific Writing (7th February, 2018) at Uni. of Agric. Peshawar • Innovative Technologies and sustainable development in Agriculture (August 19-22, 2014) Bara Galli Campus UOP. <u>Presentations in various Conferences/Forums:</u> • Frontier in Plant Science and Biotechnology (28th September, 2016) at NIIGATA University Japan • Challenges and Opportunities To Boost Agriculture In Changing Environment (26th-28th March, 2018) at Bahauddin Zikriya University LAYYA • “International Women Day organized by US consulate general” on 8th March <u>Trainings:</u> • “Project Management” on 2nd and 3rd April 2010, at Uni. Of Agric. Peshawar • “Web Based Tools for Plant Science Research” from 16th -19th April 2007, at Uni. Of Agric. Peshawar • “Staff Development Course” from 26th February to 22nd March 2007, at Uni. Of Agric. Peshawar • “An Integrated ICT Capacity Enhancement Program for Women Entrepreneurs” on 4th April 2017 organized by US consulate Peshawar
Publications	1. Khan, H., T. Shah R. Gul, A. Khan, M. Khan and T. Nadeem. 2026. Appraisal of yield and nitrogen related traits of chickpea in response to rhizobium inoculation and phosphorus application. <i>Sarhad Journal of Agriculture</i>, 42(2): 999-1007. 2. Khan, H., R. Ullah, R. Gul, A. Jehan, A. Akbar and M. Haris. 2025. Interaction effect of planting dates and genotypes on yield related traits of chickpea. <i>Sarhad Journal of Agriculture</i>, 41(3): 1306-1322. 3. Aizaz Akbar, Aftab Jehan, Salman Khan Waqar Hussain, Rozina Gul, Safi Ullah, Rashid Ul Haq, Cedric Mankponse Antoine Assogba (2025). Assessment of genetic variability and heritability for yield traits in chickpea (<i>Cicer arietinum</i> L.) genotypes. <i>Agrosystem, Geoscience and environment journal</i>. https://doi.org/10.1002/agg2.70177 4. Khan, M., Rehman, S.U., Ali, A. and Gul, R., 2025. Emerging trends in the management of cucumber mosaic virus in chickpea cultivation: A case study of southern districts in Khyber Pakhtunkhwa, Pakistan. <i>Indian</i>

	<i>Phytopathology</i>, pp.1-9. 5. Ajmalud Din, Rozina Gul , Hamayoon Khan , Julian Garcia-Abadillo Velasco, Reyna Persa, Julio Isidro, Sánchez and Diego Jarquin (2024). Assessing the Genotype-by-Environment G×E Interaction in Desi Chickpea via the Bayesian Additive Main Effects and Multiplicative Interaction Model. <i>Agriculture</i>, 14, 215. https://doi.org/10.3390/agriculture14020215. 6. Khan, H. U., Anas, M., Gul, R., Shah, W. U., Haleem, A., Khan, M. A., ... & Saqib, M. (2024). Evaluation of Advanced Chickpea (<i>Cicer arietinum</i> L.) Genotypes for Yield and Resistance to Pod Borer (<i>Helicoverpa armigera</i> L.). <i>Sarhad Journal of Agriculture</i>, 40(3).() 7. Rozina Gul, Hamayoon Khan, Saad Ahmad, Zarafshan Aftab (2023). Response of chickpea (<i>Cicer arietinum</i> L.) genotypes rhizobial inoculation and fertilizer application. <i>Journal of Xi'an Shiyou University, Natural Science</i>, 19 (10) 581-6 01 8. Zarafshan Aftab, Rozina Gul, Hamid Ullah Khan, Muhammad Anas, Maheen Bukhari, Zainab (2023). Genotypic Performance of Kabuli Chickpea For Production Traits. <i>Journal of Xi'an Shiyou University, Natural Science</i>, 19 (7) 95-126 9. Zarafshan Aftab, Syed Mehar Ali Shah,Hamid Ullah, Rozina Gul, Hamid Ullah Khan, Muhammad Anas, Maheen Bukhari, Zainab (2023). Genetic variability and correlation in rice under normal and water stress conditions. <i>Journal of Xi'an Shiyou University, Natural Science</i>, 19 (7), 1518-1538 10. Hera Gul Mohmmmand, Rozina Gul, Hamayoon Khan, Sheraz Ahmed¹, Laila Fayyaz, Ajmalud Din and Imtiaz Ali. 2022. Efficacy of Phosphorus Application on Yield in Different Chickpea (<i>Cicer arietinum</i> L.) Genotypes. <i>SJA</i>. 38(2), 440 11. Amir Sohail, Rozina Gul, Fakharuddin, Sheraz Ahmed and Qamaruddin. (2021). Genetic variability and trait association for morphological and yield parameters of mungbean (<i>Vigna radiata</i> L.). <i>Pure and Applied Biology</i>. Vol. 5, Issue 3, pp 622-631. http://dx.doi.org/10.19045/bspab.50081. 12. Hussain, Q., Gul, R., Ahmad, N., Aziz, T., Khan, I., & Mabood, R. (2021). 10. Genetic potential and traits association in desi and kabuli chickpea genotypes. <i>Pure and Applied Biology (PAB)</i>, 5(4), 752-759. 13. Jan, S., Gul, R., Khan, F. U., Khan, H., & Saeed, S. (2021). 13. Interrelationships among yield and yield components in chickpea (<i>Cicer arietinum</i> L.) under irrigated and rainfed conditions. <i>Pure and Applied Biology (PAB)</i>, 4(4), 551-556. 14. Muhammad Younis, Shahren Shah, Inamullah' Rozina Gul, Arshad Jalal, Farhan Khalil, Iqbal Hussain and Muhammad Adnan Fahad. 2020. Effect of phosphorus and sulphur on yield and yield components of sesame. <i>Sarhad Journal of Agriculture</i>, 36(2): 722-728. 15. 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 × Tester Combining
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	Ability for Development of Promising Hybrids Based on Quantitative Traits in <i>Gossypium hirsutum</i> L. Tarim Bilimleri Dergisi – Journal of Agricultural Sciences, 25: 47-61 16. Younis, M. A., Gul, R., Adil, M., Naeem, S., Sajid, M., Riaz, A., & Ali, S. (2019). 12. Effect of rhizobium inoculation on morphological and yield contributing traits in chickpea (<i>Cicer arietinum</i> L.). <i>Pure and Applied Biology (PAB)</i>, 8(1), 108-116. 17. Navid Iqbal, Noreen Asim, Sahana Malik, Rozina Gul.2019. Comparative modeling docking analysis of envelope protein from yellow fever virus. <i>IJB</i>, 14(6),265-275 18. Muhammad Adil Younis, Rozina Gul, Muhammad Adil, Saboor Naeem, Muhammad Sajid, Ayesha Riaz and Sajid Ali (2018). Effect of rhizobium inoculation on morphological and yield contributing traits in chickpea (<i>Cicer arietinum</i> L.). <i>Pure and Applied Biology</i>. http://dx.doi.org/10.19045/bspab.2018.700168. 19. 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 F1 and F2 half diallel populations of wheat. <i>Int. J. Agric. Biol.</i>, 20: 2785–2796 20. 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 (<i>Cicer arietinum</i>). <i>Int. J. Agric. Biol.</i>, 20: 683–688 21. 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. <i>Int. J. Agric. Biol.</i>, 20: 1979–1990 22. 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. <i>Pak. J. Bot.</i>, 50(4): 1395-1405 23. H. Khan, R. Gul, N. U. Khan, R. Naz, S. Shah, N. Asim and A. Latif. 2018. Role of selection indices in ascertaining high yielding drought stress tolerant chickpea (<i>cicerarietinum</i> l.). <i>The Journal of Animal & Plant Sciences</i>, 28(1): 2018, Page: 146-154 ISSN: 1018-7081 24. Hamayoon Khan, Rozina Gul, and Naqib Ullah Khan. 2017. Appraisal of interaction among nipping and chickpea (<i>cicer arietinum</i> L.) Genotypes and their correlated response for grain yield. <i>J.Agric.Pl.Sci.</i>, 27(4), 1295-1302 25. Quaid Hussain Rozina Gul and Nazir. 2017. Genetic potential and traits association in desi and kabuli chickpea genotypes. <i>Pure Appl.Biol.</i> 5(4), 752-759 26. Muhammad Adnan, Rozina Gul, Sidra Rozi, Nazir Ahmad,Touheed Iqbal Quaid Hussain, Abrar Muhammad. 2017. Genetic Diversity and Traits
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	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. 27. Fahim Ullah Khan, Muhammad Khan, Mirza Hassan, Rozina Gul. (2017). Genotypic Differences among Mung Bean (<i>Vigna Radiata</i> L.) Genotypes for Yield and Associated Traits. International Journal of Applied Agricultural Sciences. Vol. 3, No. 2, pp. 47-50. doi: 10.11648/j.ijaas.20170302.13(12) 28. Kalim Ullah , Naqib Ullah Khan, Rozina Gul , Samrin Gul , Mohammad Irfaq Khan and Imdad Ullah Khan. 2016. Genetic effects for controlling stripe rust (<i>Puccinia striiformis</i> f. sp. tritici) resistance in wheat through joint segregation analysis. Acta Scientiarum Agronomy , 38(3), 317-328 29. 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 30. Quaid Hussain, Q. H., Rozina Gul, R. G., Nazir Ahmad, N. A., Tariq Aziz, T. A., Imran Khan, I. K., & Rashid Mabood, R. M. (2016). Genetic potential and traits association in Desi and Kabuli chickpea genotypes. 752-759 31. Hamayoon Khan, H. K., & Rozina Gul, R. G. (2016). Appraising direct and indirect effect of yield gears on yield of chickpea (<i>Cicerarietinum</i> L.) using path coefficient analysis. 633-638 32. Rozina Gul, Hamayoon Khan, N. U. Khan, and K. Harada.(2016). "Detection of duplicated gene action of dominant epistasis controlling root nodulation in chickpeas." 625-628. 33. 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 yield and fiber traits in upland cotton. The Journal of Animal & Plant Sciences, 25(3): 698-707 (46) 34. Rozina Gul, Ghayour Ahmad, Shuja Abbas Khan, Habib Ullah, Khadim Shah, Muhammad Iqbal Safi, Arsalan Kakakhel, Shah Hussain, Yousaf Khan and Abid Ali. (2015). Effect of Seeds Size on Yield and Yield Components of Chickpea (<i>Cicer arietinum</i>). Journal of Bio-Molecular Sciences (JBMS) (2015) 3(2): 56-65.(9) 35. Soshma Jan, Rozina Gul, Fahim Ullah Khan, Hamayun Khan and Sana Saeed. 2015. Interrelationships among yield and yield components in chickpea (<i>Cicer arietinum</i> L.) under irrigated and rainfed conditions. Pure Appli. Biol. 4(4): 551-556 36. 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. 37. Rozina Gul*, Hamayoon khan and Naquibullah khan. 2014. Genetic linkage effect on inheritance of nodulation and leaf color in chickpea (<i>Cicer arietinum</i> L.). SABRAO Journal of Breeding and Genetics 46 (1)
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	89-98. 38. 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 39. Rozina Gul*, and Maryam Bibi. 2013. Genetic analysis and interrelationship of yield and yield attributing traits in chickpea (<i>Cicer arietinum</i> L.). The Journal of Animal & Plant Sciences, 23(2): 521-526 40. 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. 41. 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 42. Bibi, M., N.U. Khan, F. Muhammad, Rozina Gul, A.A. Khakwani, O.U. Sayal. 2011. Genetic divergence and association among polygenic characters in <i>Gossipium Hersutum</i> L. Pak. J. Bot. 43(6):2751-2758 (13) 43. 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.(13) 44. Khan, M.I., G. Hassan, I. Khan, K.B. Marwat, N.U. Khan and Rozina Gul. 2011. Tolerance of chickpea (<i>Cicer arietinum</i> L.) cultivars to the major chickpea herbicides. Pak. J. Bot. 34(5): 2497-2501. 45. 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. 46. 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. (23) 47. 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. (158) 48. 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. 49. M.I. Khan, G. Hassan , I. Khan , K.B. Marwat , N.U. Khan And R. Gul. 2011. Tolerance of chickpea (<i>cicer arietinum</i> l.) Cultivars to the major chickpea herbicides. Pak. J. Bot., 43(5): 2497-2501. 50. Rozina Khan, H. Khan, K. Harada. 2010. Evaluation of microsatellite markers to discriminate induced mutation lines, hybrid lines and cultigens in chickpea (<i>Cicer arietinum</i> L.). Aust. J. crop Sci, 4(5), 301-308
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51. 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)*
52. Rozina Gul, Hamayoon Khan. (2008). Correlation study on morphological and yield parameters of mungbean (*Vigna radiata*). Sarhad Journal of Agriculture, 2008, Vol. 24, No. 1, 37-42 ref. 17 (42)
53. 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.
54. 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.
55. 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. plt. Sci.* 3(4): 277-286
56. **Rozina Gul**, Hamayoon Khan, Ghazal Mairag, Sajid Ali, Farhatullah and Ikramullah. 2007. Correlation Study on Morphological and Yield Parameters of Mungbean (*Vigna radiata*). *Sarhad J. Agric.* 24(1): 37-42. (42)
57. 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.
58. 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.
59. 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
60. 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.
61. **Rozina Gul**, S. Ali, H. Khan, Nazia, F. Ali and I. Ali. 2007. Variability among Mungbean (*vigna radiata*) Genotypes for yield and Yield Components Grown in Peshawar Valley. *J. Agric. Bio. Sci.* 1 (4): 6-9 (29)
62. 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.
63. 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. (25)
64. 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
65. 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 66. Hamyoon Khan, M. Arif, Rozina Gul, Naseer Ahmad and Ijaz Ahmad Khan. 2002. Effect of Sowing dates on maize cultivars. Sarhad J. Agric. Vol. 18(1):159-163.
Research and creative accomplishments	1. Working on results of Microarray analysis of chickpea in which some disease resistance genes are activated after foliar application via flavonoid from agrobacterium. 2. Developed high yielding Soybean genotype which is under the process of varietal registration. 3. Developed high yielding chickpea genotypes which are submitted to national uniform yield trial for seed certification and varietal registration. 4. Worked on nodulated and non nodulated lines of chickpea at molecular level using micro satellite markers. 5. Studied the inheritance pattern of nodulation in Chickpea. Identified duplicated gene action behind nodulation in chickpea which was not reported before 6. Discriminated genetic diversity of mungbean genotypes 7. Candidate lines of Soybean and chickpea for variety registration are submitted to NUYT and FSRD