

Dr. Kalim Ullah

Cotton Research Station, Dera Ismail Khan, KPK, Pakistan 29050
Office:0092-966-740215, Cell: 0092-336-6993002, kalimbgian@yahoo.com, kalimbgian@gmail.com

Current Position

Scientific Officer

Cotton Research Station, Dera Ismail Khan, KPK, Pakistan

Education

June, 2015

Department of PBG, Faculty of Agri, Gomal Univ, D.I.Khan, Pakistan

Ph.D., Plant Breeding & Genetics

Dissertation: Genetic control of stripe rust (*Puccinia striiformis f.sp. tritici*), heat tolerance and some polygenic traits in bread wheat crosses.

Supervisor: Prof. Dr. Shah Jehan Khan

September, 2007

Department of PBG, Faculty of Agri, Gomal Univ, D.I.Khan, Pakistan

Master of Sciences (honors), Plant Breeding & Genetics

Thesis: Heritability estimates for yield and related traits in bread wheat (*Triticum aestivum* L.) germplasm

Supervisor: Prof. Dr. Rahm Din Khan

December, 2004

Department of PBG, Faculty of Agri, Gomal Univ, D.I.Khan, Pakistan

Bachelor of Science (honors), Plant Breeding & Genetics

Professional experience

- **Scientific Officer**, Cotton Research Station, D.I.Khan, KPK, Pakistan from 14th May 2014 to date.
- **Lecturer**, Department of Plant Breeding & Genetics, Faculty of Agriculture, Gomal University, D.I.Khan, Pakistan from 25th March 2010 to 13th May 2014.

Research Interest

- Improvement of upland cotton through conventional plant breeding
- Development of high fiber quality and high yielding cotton cultivars
- Participatory varietal selection and hybridization

Seminars/Trainings/workshops attended

- Six days “75th plenary meeting of International Cotton Advisory Committee (ICAC)” held by ICAC from 30th October to 4th November 2016.
- Twelve days professional training seminar entitled “Cotton Travelling Seminar 2016” held by Pakistan Central Cotton Committee from 25th September to 6th October 2016”.
- Five days training on “Cotton Production technology” held at Central Cotton Research Institute, Multan Pakistan from 09th June to 13th June, 2014.

- Three day professional training workshop on composting as an environment friendly means for improving soil health and fertility held at Human resource development center, On Farm water management department, D.I.Khan from 9th to 11th November, 2015.
- Three day workshop on human genome analysis, PCR and gel electrophoresis, held on 1st to 3rd December, 2004 at Hazara University, Mansehra.
- Two days training workshop on “Bio-sand water filter/Drinking water quality” held at Gomal University D.I.Khan on 9th to 10th February, 2010.
- One day seminar/conference on “water for cities: Responding to the Urban challenge” held at Gomal University D.I.Khan on 22nd March, 2011.

Lectures delivered

- Presentation on “Cotton seed Production and proposed areas for cotton production” in a training workshop held on 14th April, 2016 at National club D.I.Khan.
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Research publication

Published in Impact Factor Journals (IF. 18.08)

1. **KalimUllah**, Shah Jehan khan, Saeed Muhammad, Muhammad Irfaq and Tila Muhammad. Genotypic and phenotypic variability, heritability and genetic diversity for yield components in bread wheat germplasm. African J. of Agri: Res. 6(23), 5204-5207, 2011.(**IF. 0.33**).
2. **KalimUllah**, Shah Jehan khan, Muhammad Irfaq, Tila Muhammad and Habib Ur Rahman. Genetic variability, correlation and diversity studies in bread wheat germplasm. Journal of Animal and Plant Sciences. 22(2): 330-333. (**Impact Factor. 0.625**).
3. **Kalim Ullah**, Naqib Ullah Khan, Shah Jehan Khan, Muhammad Irfaq, Imdad Ullah Khan, Samrin Gul, Habib Ur Rahman and Rehmat Ullah Khan. Cell membrane thermo-stability studies through joint segregation analysis in various wheat populations. Pakistan Journal of Botany. 46(4): 1243-1252.(**Impact Factor. 1.26**)
4. **Kalim Ullah**, Naqib Ullah Khan, Shah Jehan Khan, Imdad Ullah Khan, Muhammad Irfaq Khan, Rehmat Ullah Khan and Samrin Gul. Genetic analysis for grain filling duration in wheat using joint segregation analysis. Turk J. Agric. For. 38 (6): 807-819. 2014.(**Impact Factor. 0.916**)
5. Imdad Ullah Khan, Muhammad Jamil Khan, Naqib Ullah Khan, Muhammad Jamal Khan, Habib Ur Rahman, Zarina Bibi and **Kalim Ullah**. Wastewater impact on physiology, biomass and yield of canola (*Brassica napus* L.). Pakistan journal of Botany, 44(2): 781-785, 2012.(**Impact Factor. 1.26**).
6. Muhammad Jamil Khan, Abdul Malik, Muhammad Zaman, Qudrat Ullah Khan, Habib Ur Rahman and **Kalim Ullah**. Nitrogen use efficiency and yield of maize crop as affected

- by agrotain coated urea in arid calcareous soils. Journal of Soil and Environ. 33(1): 01-06. 2014.(**Impact Factor. 0.81**).
7. **Kalim Ullah**, Muhammad Irfaq Khan, Imdad Ullah Khan, Rehmat Ullah Khan, Zahid Usman and Muhammad Ali. Genetic analysis of flag leaf area in the crosses of wheat (*Triticumaestivum* L.). Int. J. Agri: Policy and Res. 2(9): 301-310. 2014.(**Impact Factor. 1.266**).
 8. **Kalim Ullah**, Niamatullah Khan, Zahid Usman, Rehmat Ullah, Fazal Yazdan Saleem, Syed Asif Imran and Muhammad Salman. 2015. Impact of temperature fluctuation on yield and related traits in cotton germplasm. (Journal of integrative agriculture).01/2015; DOI:10.1016/S2095-3119(15)61088-7(**Impact Factor. 0.83**).
 9. **Kalim Ullah**, Naqib Ullah Khan, Shah Jehan Khan, Muhammad Irfaq Khan, Imdad Ullah and Rehmat Ullah. 2016. Genetic effects for controlling stripe rust (*Puccinia striiformis* sp. *tritici*) resistance in wheat through joint segregation analysis. Acta. Scientiarum Agronomy. 38(3): 317-328. (**Impact factor. 0.93**)
 10. Rehmat Ullah, Muhammad Zafarullah Khan, **Kalim Ullah** and Tahir Munir Butt. 2015. Model Farm Services Center Approach; An implication to boost farmer's yield. J. Agricultural Sciences. 6, 953-960. (**Impact factor. 0.73**).
 11. Imdad Ullah Khan, Naqib Ullah Khan, Muhammad Qasim Khan, **Kalim Ullah**, Zarina Bibi, Habib Ur Rahman and Muhammad Shoaib Gangohi. Prolonged wastewater irrigation and heavy metal accumulation in soils, vegetables and fodder crops. Carpathian J. Earth & Envir. Sciences. 2015. 10(1): 211-221 (**Impact factor. 0.727**).
 12. Gul Zamin Khan, Inamullah Khan, Imtiaz Ali Khan, Alamzeb, Muhammad Salman and **Kalim Ullah**. Evaluation of different formulations of IGRs against *Aedes albopictus* and *Culex quinquefasciatus* (Diptera: Culicidae). Asian pacific journal of tropical biomedicine. 930-935.(**Impact factor. 1.414**).
 13. Muhammad Anwar Khan, Ejaz Ahmad Khan and **Kalim Ullah**. Irrigated wheat response to different tillage systems, crop residue management practices and sowing dates in rice wheat cropping system. Pakistan journal of life and social sciences. 2015. 13(3): 162-169. (**Impact factor. 0.92**).
 14. **Kalim Ullah**, Muhammad Idrees Khan, Zahid Mahmood, Touheed Iqbal, Saeed Muhammad, Hafiz Abdul Haq, Aftab Ahmad, Sabahat Hussain. Response of yield and related attributes of upland cotton to weather variables. American J. Plant Sci. 2017. 8: 1711-1720. (**impact factor 1.26**).
 15. Hafiz Abdul Haq, Naqib Ullah Khan, H. Rahman, Abdul Latif, Z. bibi, Shireen Gul, H. Raza, **Kalim Ullah**, S. Muhammad, S. Shah. Planting time effect on wheat phenology and yield traits through genotype by environment interaction. J. Animal and Plant Sci. 2017. 27(3): 882-893. (**Impact Factor. 0.625**).
 16. Muhammad Idrees Khan, Hafiz Abdul Haq, Kalim Ullah, Muhammad Arshad and Abdul Majid. 2017. Genetic diversity and correlation studies for cotton leaf Curl Disease (ClCuD), Fiber and yield related attributes in exotic lines of *Gossypium arboreum* L. American journal of plant sciences. 8: 615-624 (**impact factor 1.26**).
 17. Ibrarullah, Habib Ur Rahman, Muhammad Saleem Jelani, Ali Raza Gurmani, **Kalim Ullah**. Tolerance response of muskmelon genotypes against salinity. Pak. J. Agric. Sci. 2019. 56(1): 63-70.

18. Muhammad Jamil Khan, Thomas Hugh Flower, Hussani Mubarak, Quadratullah Khan, Nosheen Mirza, **Kalim Ullah**. Economic and accurate chromium determination via modeling and monitoring the removal of adsorbed hexavalent chromium by least cost organic wastes and the optimization of flame atomic absorption spectrophotometer (FAAS). Fresenius Env. Bulletin. 2019. 28(1): 5-14.
19. Arshad Jamil, Shah Jehan Khan and **Kalim Ullah**. Genetic diversity for cell membrane thermostability, yield and quality attributes in cotton (*Gossypium hirsutum* L.). Genetic resources and crop evolution. 2020. DOI. <https://doi.org/10.1007/s10722-020-00911-w>. (Impact factor. 1.296).
20. Rehmat Ullah, Khalid Nawab, **Kalim Ullah**, Muhammad Zafarullah Khan, Yousaf Hayat, Inam Ullah, Rahmat Ullah, Asif Nawaz, Shahzad Malik. Are personal protective equipment of pesticides use a priority of farmers at the cost of health? Int. J. Bio Sci. 2020. 16(3): 66-82.

Published in HEC recognized journals

21. **Kalim Ullah**, Rahm Din, ShahJehan Khan & Ibrarullah. Heritability Estimates for yield & related traits in bread wheat. Int. J. of Biology and Biotechnology, 2009. Vol 6 No ½ PP.41-49.
22. **Kalim Ullah**; Rahm Din; Khan, M. Jamil.; Said Ghulam; Ibrarullah. Variability and heritability under normal and rainfed conditions in *Astivum* wheat (*Triticumaestivum* L.). International Journal of Biology and Biotechnology 2009 Vol. 6 No. 3 pp. 139-148.
23. **Kalim Ullah**, Rahm Din, &Ibrarullah. Co-relation of inheritance with yield in barley. Life science, international journal, volume 2, issue 3, Pages, 1139-1140.
24. **KalimUllah**.Heterosis of certain important yield components in the population wheat crosses. Electronic J. of Plan Breeding. 2(2): 239-243.2011.
25. Habib Ur Rahman, **KalimUllah**, Muhammad Sadiq, Hujjat Ullah Khan, Muhammad Azim Khan and Abdul MateenKhattak. Relationship between manual weed removal timings and garlic production. Pak. J. Weed Sci. Res. 17(3): 285-293, 2011.
26. Habib Ur Rahman, Abdul MateenKhatak, Muhammad Sadiq, **Kalim Ullah**, Sadaf Javeria and Imdad Ullah. Influence of different weed management practices on yield of garlic crop. Sarhad J. of Agri. Vol. 28(2): 213-218, 2012.
27. Habib Ur Rahman, **KalimUllah**, Muhammad Sadiq, Muhammad Zubair, Sadaf Javeria, Muhammad Anwar Khan and Abdul MateenKhattak. Relative efficacy of different weed control methods in onion crop. Pak. J. Weed Sci. Res. 17(4): 343-350, 2011.
28. Abdul Qayyum, Muhammad Sadiq, Ejaz Ahmad Khan, Inayat Ullah Awan, Muhammad Ayaz Khan, Habib Ur Rahman and **KalimUllah**. Weed management studies in wheat-vegetable intercropping systems and planting patterns. Pak. J. Weed Sci. Res. 17(4): 397-406, 2011.
29. Muhammad Sadiq, Habib Ur Rahman, **KalimUllah** and Muhammad Azim Khan. Impact of weed management practices on wild onion and chickpea. Pak. J. Weed Sci. Res. 17(2): 135-141, 2011.
30. Habib Ur Rahman, **KalimUllah**, Muhammad Sadiq, Hujjat Ullah Khan, Muhammad Azim Khan and Abdul MateenKhattak. Impact of time of weed removal on garlic yield. Pak. J. Weed Sci. Res. 17(2): 151-159, 2011.

31. Kalim Ur Rahman, Habib Ur Rahman, Muhammad Iqbal, **Kalim Ullah**, Muhammad Azim Khan and Muhammad Sadiq. Impact of manual weeding removal interval on onion yield and yield components. Pak. J. Weed Sci. Res. 17(3): 277-283, 2011.
32. Habib Ur Rahman, **Kalim Ullah**, Muhammad Sadiq, Sadaf Javeria, Imdad Ullah Khan, Hafeez Ur Rahman and Muhammad Azim Khan. Relationship between manual weeds removal timings and onion yield. Pak. J. Wees Sci. Res. 18(2): 201-207. 2012.
33. Muhammad Zeshan, Zain Ullah, **Kalim Ullah**, Musa Kaleem Baloch, Abdur Rauf and Riaz Ullah. Evaluation of genetic diversity in barley germplasm of Khyber pakhtunkhwa and northern areas on the basis of agro-morphological and biochemical traits. Int. journal of green and herbal chemistry. 1(2): 186-202, 2012.
34. Abdul Qayum, Muhammad Sadiq, Inayat Ullah Awan, Ejaz Ahmad Khan, Habib Ur Rahman, **Kalim Ullah**, Rehmat Ullah and Muhammad Saeed Khattak. Weed management in wheat-oilseeds inter/relay cropping system and planting patterns. Pak. J. Weed Sci. Res. 19(4): 505-513, 2013.
35. Rehmat Ullah, **Kalim Ullah** and Muhammad Zafar Ullah Khan. Extension services and technology adoption of date palm (*Phoenix dactylifera* L.) in district Dera Ismail Khan. Pak. J. Agric. Res. 27(2): 160-166. 2014.
36. Sami Ullah, Mehmood Shah, **Kalim Ullah**, Rehmat Ullah and Ibrar Ullah. Profitability of wheat production in Dera Ismail Khan. Pak. J. Agri. Res. 27(3): 244-249. 2014
37. Rehmat Ullah, **Kalim Ullah**, Muhammad Azim Khan, Imdad Ullah and Zahid Usman. Summer weeds flora of district deraismail khan Khyber Pakhtunkhwa Pakistan. Pak. J. Weed sci. Res., 20(4): 505-517. 2014.
38. Muhammad Ali, Ghulam Mustafa Sajid, M. Faisal Anwar Malik and **Kalim Ullah**. Establishment of in vitro culture of grapes. Pak. J. Agri. Res. 27(3): 237-243.
39. **Kalim ullah**, Zahid Usman, Niamatullah khan, Rehmat Ullah, Fazal Yazdan Saleem, Shahid Iqbal Khattak and Muhammad Ali. Genetic diversity for yield and related traits in cotton genotypes. Pakistan J. Agri. Research. 28(2): 118-125.
40. Muhammad Ilyas Khan, S.Asghar Ali Shah, Murtaza Khan, **Kalim Ullah**, Rehmat Ullah and Shahid Iqbal Khattak. Comparative efficacy of alpha lattice design and complete randomized block design in wheat maize and potato field trails. J. resource dev & management. Vol. 11, page 115-117.
41. Sami Ullah, Mahmood Shah, **Kalim Ullah**, Rehmat Ullah, Muhammad Ali, Farid Ullah, Ismail Dera, Khan, Pakistan, Ismail Khan: *Economic Analysis of Tobacco Profitability in District Swabi*. J. Resource dev & management. Vol. 11.
42. Rehmat Ullah, **Kalim Ullah**, Muhammad Zafarullah Khan, Inam Ullah: influence of agriculture extension services and farmer's socio-economic characteristics on adoption of date palm (*phoenix dactylifera* l.) in district DeraIsmail. J. Resource dev & management. Vol. 11.
43. Sami Ullah, Mehmood Shah, **Kalim ullah**, Rehmat Ullah, Ibrarullah: *profitability of wheat production in deraismail khan*. Pakistan journal of agricultural research 01/2014; 27(3):244-249.
44. Rehmat Ullah, **Kalim Ullah**, Muhammad Zafarullah Khan, Sami Ullah, Fazal Yazdan Saleem and Shahid Iqbal Khattak. 2015. An insight of Pakistan's bio-statistical proficiency in plant husbandry sciences.

45. Ibrar Ali, Abdul Mateen Khattak, Muhammad Ali and **Kalim Ullah**. Performance of different tomato cultivars under organic and inorganic regimes. 2015. Pak. J. Agri. Res. 28(3): 245-254.
46. Yousaf Imran Khan, **Kalim Ullah**, Rehmat Ullah, Imdad Ullah Khan, Zahid Usman, Faiza Mushtaq and Abdul Majeed Babar. 2015. Determination of suitable combination of inorganic fertilizers for wheat growth and yield under calcareous soil. Int. J. Agric & Applied Sciences.
47. Inam Ullah, Rehmat Ullah, **Kalim Ullah** and Ronaq Zaman. Exploring the field assistant's activities for sustainable development in district Tank, Pakistan. 2015. Developing country studies.5 (19): 98-103.
48. Muhammad Ali, Abdul Mateen Khattak, **Kalim Ullah** and Muhammad Ibrahim. Performance of exotic tulip cultivars under agro-climatic conditions of Peshawar. 2015. J. Bioresource management. 2(3): 1-8.
49. Syed Asif Imran Shah, Shah Jehan Khan, Abdul Aziz Baloch, Obaid Ullah Sayal, **Kalim Ullah** and Shujjat Ali. Combining ability analysis in various inbred lines of maize (*Zea mays* L.). 2015. Pak. J. Agric. Res. 28(3): 217-222.
50. Rehmat Ullah, Muhammad Zafarullah Khan and **Kalim Ullah**. Constraints and gap analysis of Model Farm Services Center Approach. 2016. Sarhad Journal of Agriculture. 32(1): 1-11.
51. Rehmat Ullah, **Kalim Ullah**, Muhammad Zafarullah Khan, Iftikhar Ali, Fazal Yazdan Saleem and Yousaf Imran. 2016. Agricultural extension activities; Emperical evidence from district Lakki Marwat, Khyber Pakhtunkhwa, Pakistan. Int. J. Agric & Applied Sciences.
52. Zahid Usman, **Kalim Ullah**, Rehmat Ullah, Yousaf Imran, Khalid Nawab, Iftikhar Ali, Noor P Khan, Inam Ullah. Evaluation of various cotton cultivars for seed cotton yield and related attributes at different nitrogen levels. J. Natural Sci. Res. 2017. 7(17): 37-40.
53. Rehmat Ullah, **Kalim Ullah**, Inam Ullah, Muhammad Zafarullah Khan, Asif Nawaz. Field assistant's impact on agricultural extension activities. A case study of district Dera Ismail Khan, Khyber Pakhtunkhwa, Pakistan. Pak. J. Agri. Res. 2017. 30(3): 287-293.
54. Syed Asif Imran Shah, Shah Jehan Khan, **Kalim Ullah**, Obaid Ullah Sayal. Genetic diversity in cotton germplasm using multivariate analysis. Sarhad. J. Agri. 2018. 34(1): 130-135.