

Dr. SAJJAD KHAN
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Crops Sciences Institute
National Agricultural Research Center (NARC)
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PERSONAL

Father Name: Zarin Khan

Date of Birth: Third March, 1984

Place of Birth: Mardan, Khyber Pakhtunkhwa Pakistan

DOMICILE: Mardan, Khyber Pakhtunkhwa, Pakistan

NATIONALITY Pakistani

C.N.I.C Number: 16101-9101700-3

Marital Status: Married having two male babies

Religion: Islam

Mailing Address: National Crops Sciences Institute, National Agricultural Research Center (NARC)

Permanent Address: Village Member Kalay, P.O Gadder Distt. & Tehsil Mardan, KPK Pakistan

EDUCATION

2014: Ph.D Agronomy, The University of Agricultural Peshawar Pakistan

2008: M.Sc (hons) in Agronomy. The University of Agricultural Peshawar Pakistan

2006: B.Sc (hons) in Agronomy. The University of Agricultural Peshawar Pakistan

2002: F.Sc (Pre-Med) Govt College Mardan, BISE Mardan

2000: Matric (Science) GHS Pirabad, BISE Peshawar

EXPERIENCE

1. Senior Scientific Officer (Present Position)

- Design and implement sustainable agricultural policy research projects bridging biological and social sciences.
- Identifying human capacity needs, facilitating design and implementation of capacity development programs within the organization.
- Research data, maintain and update electronic databases and compiling weekly, monthly and annual technical and development progress reports.
- Design and monitor the use of experimental and survey data collection instruments and tools.

- Supervise technical and junior staff in carrying out scientific and general trial management operations on and off-station/Field.
- Communicate with stakeholders of agricultural research including other researchers and research institutions, farmers and farmer organizations, NGOs, private sector and academic.

- Collecting field data on biological and environmental factors

2. Fodder Botanist (2009-2015)

- Conduct and supervise research activities on fodder and forages.
- Collecting data from field trials and experiments
- Assist in the set-up, implementation and analysis of laboratory for experiments
- Participate in project planning and review meetings
- Developing and updating project electronic and hardcopy databases and information banks for both project reporting and farmer advisory
- Seed production local hybrid of Sunflower & Canola and disbursement among the farmers.
- Impart training among the farmers.

3. Business Development Officer (2007-2009)

- Provision of micro credit to farmers
- Field survey and data collection from farmers regarding their production and net income.
- Portfolio management of farmers groups
- Loan disbursement and recovery
- Assist in the set-up, implementation and analysis of laboratory for experiments
- Participation farmers and review meetings

4. Other Experiences/additional duties/extracurricular

S. No	Position	Organization	Dates
1.	Dy. General Secretary	Agri Anti Narcotic Society	1/7/2004 1/12/2005
2.	Finance Secretary	Farabi Science Club	1/1/2005 1/1/2006
3.	National Internship Program	Govt. Of Pakistan, Establishment Division	31/7/2007 30/7/2007
4.	Internship	Pakistan Tobacco Board	20/5/2005 20/5/2005
5.	Senior Research Officer ADP project	Livestock and dairy development department Khyber Pukhtunkhwa	26/2/2014 30/6/2015
6.	Administrative officer (Add. Duty)	Livestock R and D Station Surezai, Peshawar	24/9/2009 15/6/2014

RESEARCH THRUSTS

- Organic farming for healthy food production
- Development of cereals varieties/hybrids
- Climatic change and crops adaptation

LANGUAGES KNOWN

- English: Can read write and speak well
- Urdu: Can read write and speak well
- Pashto: Can read write and speak well

SKILLS

Computer skills

- Ms Office
- Statistical Data analysis
- Software installation

Organizational Skills

- Created and managed various trainings on cropping technology
- Identified multiple funding sources, budgeted and financed conference activities.
- Plan, organize, and implement research projects within strict time constraints.
- Arrange and prepare activities, materials, housing, and dining for the University Graduate and farmer trainees
- Present course lectures and conference presentations using Microsoft PowerPoint.
- Recruiting/Monitoring Skills
- Provide academic and career advice to undergraduate students.

Communication Skills

- Plan and teach discussion sections and large lectures for farmers.
- Present complex ideas to internship students in an accessible format.
- Assist and advise farmers about the progress of their field work.
- Work in a team to organize large-scale research projects and conference presentations.
- Presented research at national conferences.

Technical Skills

- Created, managed, and interpreted data files using MSTATC, STATISTICS and Microsoft Excel.
- Extracted and analyzed data to produce a comprehensive annual reports

TRAININGS

S. No	TITLE	ORGANIZATION	DATE
1	Windowes, Ms Poffice	Infra Computer Academy	2/12/2002
2	Seed Technology Laboratory Training Course	Assistant Agronomist Seed Certification Section Agricultural Institute Ternab Peshawar Pakistan	2/5/2006 2/12/2006
3	Typing Training Course	Frontier College Of Commerce And Computer Sciences	1/6/2002 1/11/2002
4	Range Management	Pakistan Forest Institute , Peshawer	25/6/2012 29/6/2012
5	Income Generation Through Kitchen Gardening	Pakistan Academy For Rural Development Peshawer	07/11/2015
6	Agriculture Exhibition	Pakistan Academy For Rural Development Peshawer	26/28/2017
7	Conflict Resolution	British Council	4/10/2006

CONFERENCE/WORK SHOPS/SEMINOR

S. No	Conference/Work Shops/Seminar	Venue	Dates
1	Climatic Change Think –Adopt , 2016	The University Of Agriculture Peshawar Pakistan	1/1/2016
2	Institutional Linkages For Agriculture Development In Pakistan	Khyber Pukhtunkhwa Agriculture Peshawar Pakistan	20/21/2010
3	Web Based Tools For Plant Science Research	Department Of Agronomy NWFP Agriculture University Of Peshawar Pakistan	16/19/2017
4	Climatic Change –Implication And Adaptation For Rural Areas	AKH National Centre For Rural Development Islamabad	15/11/2017

5	Establishment Of And Water Testing Laboratory	NTHRI Shinkiari Mansehra	23/5/2017
6	Range Management	Improvement Of Range Research Facilities At P.F.I Peshawar	17/03/2014 21/3/2014S
7	Need For Revolutionarnizing The Cotton Industry In Pakistan	Centre For Global And Strategic Studies, Islamabad	24/1/2018
8	Challenges And Opportunities To Boost Agriculture in Changing Climatic	College Of Agriculture , BZU, Bahadur Sub-Campus Layyah	26/3/2018 28/3/2018
9	Poster Competition	Agri Anti Narcotic S Society	1/4/2004
10	Certification Of Honor	Farabi Science Club	15/4/2004
11	Blood Donation	Blood Donor Society	09/11/2005
12	Weed Science Society Of Pakistan	NWFP Agriculture University Of Peshawar Pakistan	1/3/2004

PUBLICATIONS

1. **Khan, S.,** F. Yazdan, M. Sadiq. A, Khan, I. Ahmad, N. ahmad. 2016. Changes in wheat leaf phenology with the integrated application of organic and inorganic fertilizers. Int. J. Bioscience. Vol. 9, (3):. 35-46.
2. **Khan, S.,** and S. K. Kalil 2014. Integrated use of organic and inorganic fertilizers in wheat and their residual effect on subsequent mung bean. International Journal of Farming and Allied sciences.3 (8).835-844. Dubai
3. **Khan, S.,** M. Ilyas, K. Amwar, K. Farid, S. Ahmad. 2014. Enhancing Sorghum Green Fodder Production Potential through Use of Various Sources and Levels of osmo-priming. Asian J Agri Biol.1(4).175-178. Pakistan
4. **Khan, S.,** S. K. Kalil, Amanullah and Z. Shah. 2013. Crop stand and phenology of wheat as affected by integrated use of organic and inorganic fertilizers. Asian J Agri Biol.1(3).141-148. Pakistan
5. **Khan, S.,** B. D. Khan, A. Reman, Ilyas.2014.enhancing nutritive value and green fodder production of fodder oat through integrated use of organic and inorganic fertilizers. Asian J Agri Biol.1(4).175-178. Pakistan
6. **Khan, S.,** K Anwar, K. Kaleem, A. Saeed, S.Z. Shah, S. Khan, 2014. Nutritional Evaluation of Some Top Fodder Tree Leaves and Shrubs of District Dir (Lower), Pakistan as a quality livestock feed. Int.J.Curr.Micro biology & App. Sciences. 3 (5). 941-947. India

7. **Khan, S. M** Ilyas, K. Anwar, I. A. Shah, S. Khan, S. Ahmad. 2014. Enhancing Sorghum Green Fodder Production Potential through Use of Various Sources and Levels of Osmopriming European Academic Research. II(4)-5265-5273. Europe
8. Khan A., M. Arif, A. Shah, S Ali, Z. Hussain and **S. Khan** .2007.evaluation of planting methods for grain yield and yield components of wheat. Sarhad J. Agric. 23 (3) 353-358. Paksitan
9. **Khan S.**, Z., Hameed, F. Shaheen, K Farid, I Khattak, S Khan, Zakir Ullah and A H K Khattak. 2015. FODDER PRODUCTION IN PAKISTAN: CONSTRAINS AND FUTURE PROSPECTS. J.Anim.Health &Produc.23 (1):89-92. Pakistan
10. **Khan S.**, Z., Hameed, F. Shaheen, K Farid, I Khattak, S Khan, Zakir Ullah and A H K Khattak.2015. ORGANIC FARMING IN PAKISTAN: PROBLEMS AND FUTURE PROSPECTS. J.Anim.Health &Produc.23 (1):93-101. Pakistan
11. Ahmad G., M Ishaq, **S. Khan.**, R. Ahmad, I Amin, M. Irfan. 2014. Performance of Newly Developed Wheat Advanced Lines Evaluated under Different Planting Dates for Important Traits. European Academic Research. 2(10).12598-12603. Europe
12. Hamid F. S., **S. Khan**, M. Saddiq, Q. Zaman, B. H. Shah, F. Yazdan, M. A. Khan. 2016. Tea cultivation in Pakistan: problems and future prospects. EUROPEAN ACADEMIC RESEARCH. 4. (6) 5555-5562.
13. Imran U., M. Arif, A. khan, M. Sadiq, A. khan, I Ahmad, **S. Khan**. 2016. Seed Priming, Nitrogen Levels and Moisture Regimes Affects Phenology of Wheat . EUROPEAN ACADEMIC RESEARCH. Vol. IV. (6) 5563-5582.
14. F. U. Rahman, F. Perveen, T. Rau, M. Salim³, Z. Ali, **S. Khan**, M. S. Yar and N. I. Khan. 2015. HABITAT PREFERENCES AND ROOST SITE SELECTION OF *Rhinopoma hardwickii* Gray, 1831 IN NORTHWESTERN, PAKISTAN. The Journal of Animal & Plant Sciences, 25(3 Supp. 2) 2015 Special Issue Page: 429-432.
15. F. U.Rahman, F. Perveen, T. Rauf, M. Salim, **S. Khan**, H. Ullah, A. Ullah, Z. Kamal and Z. Ali. 2015. OCCURRENCE OF *Rhinopoma microphyllum* (Brunnich, 1782) IN KHYBER PAKHTOONKHAWA, PAKISTAN. The Journal of Animal & Plant Sciences, 25(3 Supp. 2) 2015 Special Issue 450-453.
16. F. U. Rahman, F. Perveen, T. Rauf, M. Salim, Z. Ali, **S. Khan** and Z. Kamal. 2015.HABITAT ANALYSIS OF *Scotophilus heathii*Horsfield, 1831 IN NORTHWESTERN PARTS OF PAKISTAN. The Journal of Animal & Plant Sciences, 25(3 Supp. 2) 2015 Special Issue 731-734.
17. Arif M., M. A. Chohan, S. Ali, R. Gul and **S. Khan**. 2006. Response of wheat to foliar application of nutrients. Journal of Agricultural and Biological Science. 1 (4). 30-34.
18. **Khan S.**, M. Zakirullah, M. Ilyas, A. Rehman, H. Uddin ' Ghufuranullah, And Pervez. 2012. Effect of different nitrogen levels and cutting stages on crude protein, crude fiber, dry matter and green fodder yield of oat (*Avena sativa L.*). Journal of Animal Health And Production. Vol. 22(1) 46-56.
19. Arif, M., M.A. Khan, H. Akbar, **Sajjad**, and S. Ali. 2006. Prospects of wheat as a dual purpose crop and its impact on weeds. Pak. J. Weed Sci. Res. 12(1-2): 13-17.
20. **KHAN S.**, S. K. Khalil, A. Rehman, Zakir, K. Anwar. 2014. Integrated Use of Organic and Inorganic Fertilizers in Oat for Improving Its Productivity. European Academic Research. 2(5).6559-6567. Europe
21. Ahmed I., M. A. Khan, N. Ahmed, N. Khan, S. Khan, F. Y. S. Marwat. 2016. Influence of Rhizobium inoculation on nodules, growth and yield of French beans cultivars. International journal of Biosciences. 9(6).226-233.
22. Khan M. A., S. Khan, F. Ahmed, N. Ahmed, I. Ahmed, F. Yazdan, N. Khan. 2016. Physiological attributes of early and late maturing peach cultivars during ripening. International journal of Biosciences. 9(6).338-349.
23. Khan A., M. Arif, A. Shah, S. Ali, z. Hussain, **S. Khan**. 2007.Evation of planting of methods for grain yield and yield components of wheat. Sarhad J. Agric. 23(3).

24. Naveed A., F. S. Hamid, A. Waheed, M. k. Abbas, K. Sajjad, A. Imtiaz, A. Sohail, M. Saqqib, G. Hina. Moroccan journal of chemistry. 5(20). 305-xxx.
25. Khan S, F. Shaheen, Z. Hameed, H. Gul, K. Farid, S. Azam, Z. Ullah, M. Khan. 2015. Major constraints to wheat productivity in Pakistan. J. Anim. Health and Produc. 23(1). 82-88.
26. **Khan S.**, M. Zakirullah, Dr. M. I. Khan, A Rehman, and H Uddin. 2012. Effect of different N levels and cutting stages, crude fiber, dry matter and green fodder yield of oat. J. Anim. Health and Produc. 22(1). 46-56.
27. Ahmed I., M. A. Khan, N. Khan, N. Ahmed, A. Waheed, F. Y. Saleem, S. Khan, and S. Aslam. 2017. Impacting of plant spacing on garlic rust (*puccinia allii*), Bulb Yield and yield component of garlic (*Alium sativum*). Pakistan journal of Agricultural Research. 30(4). 380.
28. **Khan S.**, M. Ilyas, B. D. Khan, I. A. Shah, S. Khan, H. Ullah, H. Uddin. 2014. Effect of different osmopriming sources and levels on germination and root length of sorghum. European academic Research. 2(4). 3255.
29. **Khan S.**, I. Ahmed, A. Khan, N. Khan, and A. Khan. 2017. Improving germination and seedling vigour of pea with different priming techniques. 1(1). 20-23.
30. **Khan S.**, z. Ahmed, s. Zahid, Allah Bakhsh, U. Hameed. 2018. Effect of sole, inter row and within row intercropping on green fodder productivity of cowpea and millet. Life sciences international journal. 12(1). 36-12.
31. Ahmed N., F. S. Hamid, A. Waheed, M. K. Abbas, K. Sajjad, A. Imtiaz, A. Sohail, M. Saqqib, G. Hina. 2016. Evaluation of different tomato hybrids for phenotypic variation and yield contributing attributes at mansehra. Moroccan journal of chemistry. 5(2). 305.
32. **Khan S1**, F. Yazdan, A. Khan1, Z. Ali1 and U. Hameed.. 2018. Food security in Pakistan: problems and future prospects. SECOND NATIONAL CONFERENCE ON EMERGING TRENDS IN BIOINFORMATICS AND BIOSCIENCES AUGUST 09–11 2018. University of Hazara Pakistan.
33. **Khan S**, M. A. Khan, U. Hameed, Z. A Gurmani. 2018. Mitigating the challenge of climatic change crops adaptation strategies for farming community in Pakistan. First national and second national conference on challenges and opportunities to boost agriculture in changing climate. March 26-28. 2018. Collage of agriculture BZU, Bahdur Subcampus Layyah Pakistan.