

Dr. HAROON KHAN (Assistant Professor)

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**Personal Information:**

Name: Haroon Khan
 Father's Name: Muhammad Ghani
 Permanent address: Mohalla: Usman Khail, GuL Abad, Village & Post Office: Yar Hussain, P. Box No: 23320, Tehsil: Razar, District: Swabi, Khyber Pakhtunkhwa- Pakistan.
 Date of Birth: 30-12-1979
 Domicile: Swabi
 Religion: Islam
 Marital Status: Married
 Nationality: Pakistani
 Languages: Pashto, Urdu & English

Professional Goal:

- To find out the sustainable, eco-friendly and economically feasible weed management strategies for major crops of Khyber Pakhtunkhwa.
- To impart quality education in the field of Weed Science and Climate Change to graduate and post graduate students.

Area of Specialization:

Weed Ecology, Invasive Weeds Management, Climate Change

HEC Approved Supervisor: Since June, 2013

Academic Qualifications:

- **Ph.D. (Agriculture/Weed Ecology)--2012** ----- **CGPA 3.71/4.00 (80.17 %)**
 The University of Agriculture, Peshawar & The University of Queensland, Brisbane, Australia (Under HEC Split PhD Scholarship Program)
- PhD Dissertation Title:** Distribution and Management of Parthenium Weed (*Parthenium hysterophorus* L.) in Peshawar Valley, Northwest-Pakistan
- **M.Sc. Hons (Agriculture/Weed Science)--2004** ----- **CGPA 3.92/4.00 (90.85 %)**
 The University of Agriculture, Peshawar (UAP) -Pakistan
- **B.Sc. Hons (Agriculture/Weed Science)--2002** ----- **CGPA 3.81/4.00 (87.40 %)**
 The University of Agriculture, Peshawar-Pakistan
- **F.Sc.-----1998**-----Nisar Shaheed Degree College, Risalpur (FBISE-Islamabad)
- **S.S.C. (Science)-----1996** ---Govt. High School No. 1, Yar Hussain (BISE-Peshawar)

Professional Experience:

- Worked as a **Research Associate** in Higher Education Commission, Islamabad project on Management of Wild Oats at Department of Weed Science, The University of Agriculture, Peshawar (from January 1, 2003 to December 30, 2004)
- Worked as a **Research Fellow** at School of Agriculture & Food Sciences, The University of Queensland, Brisbane, Australia (March 10, 2011 to August 30, 2011), The fellowship was funded by the HEC Islamabad under the International Linkages Project.
- Work in Philip Morris International (Formerly Lakson Tobacco Company Ltd.) as a **Regional Agronomy Manager** from January 1, 2005 to March 10, 2013.
- Work as a **Deputy Director Technical** in Climate Change Centre (CCC), The University of Agriculture, Peshawar, KPK-Pakistan. (January, 2014 to December, 2014).
- Worked as a **Lecturer** in Department of Weed Science, The University of Agriculture, Peshawar, Pakistan. (11, March, 2013 to 7 December, 2016).
- Presently working as **Assistant Professor (TTS)** in Department of Weed Science, The University of Agriculture, Peshawar, Pakistan. (From 08 December, 2016 till-to-date).

Book Chapter Published:

Impact of climatic change on flora of high altitude of Pakistan. *In* Climate Change Impacts on High-Altitude Ecosystems. By Ozturk, M. Hakeem, K.R. Faridah-Hanum, I. Efe, R. (sEds.).

Publisher: Springer 2015 (<http://www.springer.com/life+sciences/ecology/book/978-3-319-12858-0>)

ISBN: 978-3-319-12858

Prepared Technical Reports:

1. Climate change and adaptation-farmers; experiences for ten Districts of KP- Pakistan (2019).
2. Climate scenarios 2011-2040 for ten Districts of Khyber Pakhtunkhwa-Pakistan (2018).
3. Climate change and adaptation-farmers; experiences from rainfed areas of Pakistan (2014).
4. Climate scenarios 2011-2040 Districts Haripur, Swabi, Attock and Chakwal Pakistan (2014).

Developed PhD course on "WS-716: Weed Management & Climate Change"

Courses Taught to BSc, MSc (Hons) & PhD students: Eco-Physiology of Weeds, Advanced Weed Ecology, Applied Weed Science, Intr. to Chemical Weed Control, Applied Ethnobotany, Intr. to Botany, Weed Ecology, Weed Physiology, Plant Physiology

Graduate students supervised and awarded degree:

1. Muhammad Fawad, M.Sc. (Hons) Weed Science
2. Shah Zareen, M.Sc. (Hons) Weed Science
3. Umer Zeb, M. Phil Botany
4. Ishaq Ali Shah, M. Phil Botany
5. Salma Begum, Msc Botany
6. Hana Muhammad, Msc Botany
7. Saima Maqbool, Msc Botany
8. Sara Bano, Msc Botany
9. Fareeha Samen, Msc Botany
10. Uzma Ahmad, Msc Botany
11. Muhammad Juanid (PhD) Department of Agronomy

Referee/ Editor:

- Senior Editor of International Journal Agricultural and Environmental Research
- Pakistan Journal of Weed Science Research
- Journal Revista Planta Daninha, Brazil
- Sarhad Journal of Agriculture, Smith & Franklin Academic Publishing Corporation UK
- Pakistan Tobacco Journal

Professional Societies Membership

- Weed Science Society of Pakistan (Life Membership)
- Italo-Latin American Society of Ethnomedicine (Life Membership)
- The Pakistan Botanical Society
- The International Society for Agricultural Metrology
- National Academy of Young Scientists Pakistan
- Citizens Commission on Human Rights International USA
- Asian Apicultural Association
- Asia-Pacific Chemical, Biological & Environmental Engineering Society (M.No:201981)
- Asia-Pacific Network for Global Change Research (APN)
- Moringa for life: A non-profitable society for creating awareness about Moringa
- Saudi Arabian Water Environment Association

Computer Skills: Endnote, MS Office, MSTATC, Statistix, E-mail

Services:

- Coordinator Learning Management System (LMS) Department of Weed Sciences, UAP
- Focal person Quality Assurance Department, The University of Agriculture Peshawar
- Coordinator (PAGE) Expert Group on Adaptation Planning in Climate change.
- Focal Person form UAP for Environmental Protection Agency KPK (EPA)
- External Examiner, University of Peshawar,
- External Examiner, Sardar Bahadar Khan Women University (SBWU) Quetta-Baluchistan
- Member, Institutional Disciplinary Committee, University of Agriculture, Peshawar
- Member, Syndicate, University of Agriculture, Peshawar (2014-2015)
- Member Student Grievances Settlement Committee, The University of Agriculture Peshawar.
- Member Ethics Committee, The University of Agriculture Peshawar
- Member University Convocation Committee, The University of Agriculture Peshawar
- President Blood Donors Society, UAP-Peshawar (2003-04)
- Member Pakistan Tobacco Board National Cost of Production Committee (2011-2013)
- Member, Pakistan Tobacco Board, Research Coordination Committee Since, 2010
- Resource Person Pakistan Red Crescent Society, Peshawar
- Resource Person EPA Govt. of Khyber Pakhtunkhwa
- Resource Person UNDP Khyber Pakhtunkhwa
- Member of Technical Committee on Mitigation regarding revision of Pakistan Nationally Determined Contributions. Ministry of Energy (Power Division), Islamabad.

Awards:

- HEC scholarship for SPLIT PhD program
- A* grade in Teacher and Course Evaluation Report by (QEC)
- Granted HEC Travel Grant of Rs. 235000/- for The 2nd Inter. Biotechnology, Chemical Engineering and Life Science Conference, Japan (20-22 July, 2015).
- Granted HEC Travel Grant of Rs. 155806/- for The Ecology 17 Inter. Conference on Ecology, Ecosystem & Climate Change" Istanbul, Turkey (February 17-18, 2017).
- Granted HEC Travel Grant of Rs. 150000/- for The 2nd Inter. Conference on Climate Change Colombo, Sri Lanka (15-16th February 2018).

Trainings & Conference Organized:

- ❖ Seminar on "Challenges in Dry Land Agriculture in Light of Climate Change and Recommendations" and 2nd Consultative Meeting of SLM Network, 11-12 December, 2019. P&D Department Govt. of KPK.

- ❖ International Conference on "Strategies for Ensuring Food Security in The Changing Climate" on October 23-24, 2019 at the University of Agriculture Peshawar.
- ❖ National conference on "Agricultural problems & food security in the changing climate" on 14-17 November, 2018 at the University of Agriculture Peshawar.
- ❖ 10 trainings on "Climate Change & Adaptation" for the officials of Agric. Extension, Research, Water Management Department & Faculty Members, of KPK, at The (UAP), 4 -17 April, 2018.
- ❖ Consultative "Workshop on climate change impacts on key crops of KPK; to share the findings and to formulate recommendations" at UAP, March 29, 2018.
- ❖ National Conference on "Thinking climate change adaptation in water and farming; THINK-ADAPT November 28-30, 2016 at The University of Agriculture Peshawar, Pakistan.
- ❖ Technical Writing & Publishing in Scientific Journals with collaboration of Chinese Academy of Sciences at UAP, 14 May, 2014.

Research Projects Completed:

1. **PC-1 of ADP scheme Developed & Implemented:** "Establishment and Strengthening of Climate Change Center at The University of Agriculture, Peshawar KPK, (Worth Rs. 16.80 M).
2. The long-term effects of tillage, nutrients and weed management on sugar beet yield and weed seed bank (Higher Education Commission Islamabad, Rs. 2.2 Million).
3. Pathways to Strengthening Capabilities for Climate Smart Agriculture in Pakistan-(CBA2019-07SY-Khan) Funded by: Asia-Pacific Network for Global Change Research- Japan (Project Award: USD 50,102).
4. Conservation and Cultivation of Medicinal Plants at high altitude of Pakistan (ALP/PARC Rs.4.8 M).

Countries visited for academic activates:

1. Australia 2. China 3. Sri Lanka 3. Kingdom of Saudi Arabia 4. Turkey 6. Qatar 7. Nepal 8. Philippians

International Trainings/Conferences/Workshops Attended:

- ❖ Training on "Avoiding plagiarism" Organized by Graduate School, The University of Queensland, Brisbane, Australia, 5 April, 2011.
- ❖ Training "Research Integrity Training" Organized by Graduate School, The University of Queensland, Brisbane, Australia, 8 April, 2011.
- ❖ International training course on "Mitigation of Climate Change for Asian Countries" in Beijing, China, 9-29 September, 2014.
- ❖ "13th Asian Apicultural Association Conference Organized by King Saud University, Kingdom of Saudi Arabia, April 18-29, 2016.
- ❖ The ECOLOGY 17- International Conference on Ecology, Ecosystem and Climate Change organized by Eastern Mediterranean Academic Research Center, Istanbul, Turkey, February, 17-18, 2017.
- ❖ The 2nd International Conference on Climate Change held from 15th - 16th February 2018 in Colombo, Sri Lanka.
- ❖ International Forum on Climate Change and Sustainability held on 15th February 2018 in Colombo, Sri Lanka.
- ❖ International workshop on sustainable food system under climate change in South Asia, June 26-28, 2018; Organized by Centre for Climate Research and Development, COMSATS University Islamabad.
- ❖ Training on Climate Science & Adaptation in the Hindu Kush Himalayan Region-a Transdisciplinary Approach, in The HUC Academy ICIMOD, Kathmandu Nepal from 1-14 July 2018".
- ❖ International Workshop on "Formulation and study of spatial development, climate change & the environment for agricultural transformation" at Manila, Philippines. Organized by Asian productivity Organization (APO) Japan, from 18-22 November, 2019.
- ❖ International training on " Disaster Risk & Management" at Akhtar Hamid Khan National Center for Rural Development (AHKNCRD), Islamabad, 14-18 December, 2020.

National Trainings/Conferences/Workshops Attended:

- ❖ Five days workshop on Weed Science organized by Department of Weed Science, AUP-Peshawar (2001).
- ❖ 6th National Weed Science Conference March 28-30, 2005. Organized by Department of Weeds Science AUP-Peshawar.
- ❖ Awareness Seminar on Commercialization of Food Irradiation 27 July 2005, Marriot Hotel, Islamabad. Organized by (PAEC).
- ❖ Training workshop on GIS/RIS in Department of Environmental Sciences, University of Peshawar, 9th & 10th January 2013.
- ❖ Training on "IPC- Food Security Workshop" Organized by FAO at The University of Agriculture Peshawar on 29 November, 2013.
- ❖ Training on statistical techniques for crop, animal and social sciences at The University of Agriculture Peshawar on 25 January, 2014.
- ❖ Training on "Technical Writing & Publishing in Scientific Journals" By Dr. Edward Robert International Scientist, Chinese Academy of Sciences at The University of Agriculture Peshawar on 14 May, 2014.
- ❖ 4th International 13th National Conference of Botany 27-30 August 2014. Organized by Pakistan Botanical Society at Shaheed Benazir Bhutto University, Sheringal, Dir (U)
- ❖ Training course on "Climate Change Adaptation Planning " 28-30 October, 2014 in Islamabad
- ❖ Workshop on Education Sector Budgets Analysis of FATA and five districts of KPK province for the years 2011-2015. Organized by Centre for Governance and Public Accountability Peshawar.
- ❖ National workshop on awareness on weed management practices for better yield. Organized by Department of Weed Science University of Agriculture Peshawar, 30-31 December, 2015.
- ❖ Workshop on "Quality Assurance via Self-Assessment Process" Organized by Directorate of Quality Assurance, The University of Agriculture Peshawar, 7th April, 2016.
- ❖ 13th National Conference of Weed Science August 19-21, 2016. Organized by Weeds Science Society of Pakistan and at Shaheed Benazir Bhutto University, Sheringal, Dir (U).
- ❖ National conference on "Thinking climate change adaptation in water and farming; THINK-ADAPT at The University of Agriculture Peshawar, Nov. 28-30, 2016.
- ❖ Workshop on "Intellectual Property Rights": regarding drafting & filing of patent application, Organized by PASTIC, at The University of Agriculture Peshawar, 18th December, 2016.
- ❖ Seminar on "External Quality Assurance & Accreditation" Organized by Directorate of Quality Assurance, The University of Agriculture Peshawar, 03 February, 2016.
- ❖ International conference on "Climate Change threats to agriculture and food security THINK-ADAPT" The University of Agriculture Peshawar, 22-24, November, 2017.
- ❖ Learning event on "Climate Change Issues" Climate Advocacy and Coordination for Resilient Action" (CACRA) Organized by Pakistan Red Crescent Society (PRCS) in collaboration with The German Red Cross & LEAD Pakistan on 26-27 April 2018 at Peshawar.
- ❖ Workshop on "Data exploration, visualization and analysis, using Statistical Software" on 09-10 January 2018. Organized by Department of Mathematics, Statistics and Computer Science, the University of Agriculture Peshawar- Pakistan.
- ❖ National conference on "Climate smart agriculture and crop modeling" The University of Agriculture Peshawar, 18-19 April, 2018.
- ❖ National conference on "Agricultural problems & food security in the changing climate" on 14-17 November, 2018 at the University of Agriculture Peshawar.
- ❖ International Conference on "Strategies for Ensuring Food Security in The Changing Climate" on October 23-24, 2019 at the University of Agriculture Peshawar.
- ❖ Seminar on "Challenges in Dry Land Agriculture in Light of Climate Change and Recommendations"

- and 2nd Consultative Meeting of SLM Network, 11-12 December, 2019. P&D Department Govt. of KPK.
- ❖ Training on "Identification of climate smart agriculture practices, demonstration and dissemination of Innovative and climate smart practices" February 03-05, 2020; Organized by FAO.

Publications in National and International Refereed Journals

1. T. Rehman, M. Azim Khan, **Haroon Khan**, W. A. Shah. V. Altay and M. Ozturk. 2020. Tillage, nutrients and weed control affects yield of sugar beet. 29(5):3380-3387. FEB-Fresenius Environmental Bulletin
2. A. Muhammad, I. A. Mian, D. Muhammad, **Haroon Khan**, I. Khan, M. I. Khan and A. Jalal. 2020. Resilience of weed infestation through maize cultivars selection and sowing times alteration under changing climate. Mitteilungen Klosterneuburg Journal: 70 (2):108-121.
3. Hanif Khan, M. S. Khan, M. A. Sajad, **Haroon Khan**, M. Ihsan, I. Ullah, Z. Khan and Umar Zeb. 2020. Phytoremediation of selected heavy metals using *Bryophyllum daigremontianum* (RAYM-HAMET & H. PERRIER). Bangladesh J. Bot. 49(1): 21-27, 2020 (March)
4. B. Gul, S. Ijaz & **Haroon Khan**. 2019. Allelopathic effect of lotus and arrowhead weed on wheat, wild oat and milkthistle germination. Planta Daninha 2019; Volume: 37: e019184290. ISSN 1806-9681 (online)
5. B. Gul, Afaq Khan and **Haroon Khan**. 2018. Management of cattails in standing water of District Swabi, KPK-Pakistan. Journal of Aquatic Plant Management. 56: 31-34.
6. B. Gul, M. Saeed, **Haroon Khan**, M. I. Khan and I. Khan. 2017. Impact of water hyacinth and water lettuce aqueous extracts on growth and germination of wheat and its associated troublesome weeds. Journal of Applied Ecology and Environmental Research. 15(3): 939-950.
7. Shahida Naveed, M. Ibrar, I. Khattak, I. Khan, M.I. Khan and **Haroon Khan**. 2016. Anthelmintic, antilice, insecticidal, cytotoxic and phytotoxic potential of ethanolic extracts of two wild medicinal plants *Iphiona grantioides* and *plucheaarguta*. Wulfenia Journal. 23(2):1-13.
8. Shaheen Kashmir, M. Azim Khan, A. Ali Shad, K.B. Marwat and **Haroon Khan**. 2016. Temperature and salinity affect the germination and growth of *Silybum marianum* and *Avena fatua* L. Pakistan Journal of Botany. 48(2): 469-476, 2016.
9. **Haroon Khan**, Adil, B. Gul, M.A. Khan and K.B. Marwat. 2015. Efficacy of aqueous extracts of different allelopathic plants on germination and growth of wheat and wild oat seeds. Pakistan Journal of Botany. 47(SI):181-185.
10. M. A. Khan, B. Gul, K. B. Marwat, F. Wahid, **Haroon Khan** and S. Hashim. 2014. *Pistia stratiotes* L. (ARACEAE): Phytochemistry, use in medicines, phytoremediation, biogas and management options. Pakistan Journal of Botany. 46(3): 851-860.
11. **Haroon Khan**, K. B. Marwat, M. A. Khan and S. Hashim. 2014. Herbicidal control of parthenium weed in maize. Pakistan Journal of Botany. 46(2): 497-504.
12. B. Gul, K. B. Marwat, M. A. Khan and **Haroon Khan**. 2014. Impact of tillage, plant population and mulches on phenological characters of maize. Pakistan Journal of Botany. 46(2): 549-554.
13. **Haroon Khan**, K. B. Marwat, G. Hassan, M. A. Khan and S. Hashim. 2014. Distribution of parthenium weed in Peshawar valley, Khyber Pakhtunkhwa- Pakistan. Pakistan Journal of Botany. 46(1): 81-91.
14. **Haroon Khan**, K. B. Marwat, G. Hassan and M. A. Khan. 2012. Chemical control of *Parthenium hysterophorus* L. at different growth stages in non-cropped area. Pakistan Journal of Botany. 44(5): 1721-1726.
15. M. A. Khan, K. B. Marwat, A. Amin, A. Nawaz, R. Khan and **Haroon Khan**. 2012. Soil solarization: an organic weed management approach in Cauliflower. Communications in Soil Science and Plant Analysis. 43: 1847-1860.
16. Hassan, G. and **Haroon Khan**. 2007. Effect of wild oats (*Avena fatua* L.) density on wheat yield and its components under varying nitrogen regimes. Pakistan Journal of Botany. 39(7): 2585-2594.
17. **Haroon Khan**, M. M. Khan, B. Gul, M. F. and I. Khan. 2020. Weeds Flora of the Agricultural University Peshawar Research Farm. Pak. J. Weed Sci. Res. 26(4): 455-468.
18. H. Ullah, B. Gul, **Haroon Khan** and I. Hameed. 2020. Effect of pH levels on duckweed's proximate composition for utilization as poultry and fish feed. Bioscience Research, 17(4): 2604-2613.
19. B. Gul, I. Ahmad, **Haroon Khan**, U. Zeb & H. Ullah. 2018. Floristic inventory of wild plants of Peshawar university campus. Acta Ecologica Sinica- Inte. J. <https://doi.org/10.1016/j.chnaes.2018.04.005>
20. S. Ali, U. Zeb, W. Lei, **Haroon Khan**, K. Shehzad, I. Ullah. 2018. Floristic inventory and ecological characterization the village Sherpao, District Charsadda, KPK- Pakistan. Acta Ecologica Sinica- Inte. J. <https://doi.org/10.1016/j.chnaes.2017.12.004>

21. U. Zeb, S. Ali, Z. H. Lia, **Haroon Khan**, K. Shahzad, M. Shuaib, M. Ihsan. 2017. Floristic diversity and ecological characteristics of weeds at Atto Khel Mohmand Agency, KPK, Pakistan. *Acta Ecologica Sinica- International Journal*. 37: 363-367.
22. I. A. Khan M. B. Khan, B. Gul, Haroon Khan and B. Khattak. 2017. Effect of various PH and salinity levels of water on the germination and growth of *Typha Latifolia* L. *Pak. J. Weed Sci. Res.*, 23(3): 315-321.
23. B. Gul, Bilal Khan and **Haroon Khan**. 2017. Aquatic flora of various fresh water bodies of District Charsadda, Khyber Pakhtunkhwa, Pakistan. *Pak. J. Weed Sci. Res.*, 23(2): 193-206.
24. S. Hidayat, A. Saleem, **Haroon Khan**, M. Zeb, B. Gul and W. M. Khan. 2017. Range and forest vegetation analysis along the altitudinal gradient in lower Dir, KPK-Pakistan. *Pak. J. Weed Sci. Res.*, 23(1): 103-117.
25. Khan, W.M., S. Ali, M. S. Khan, N. Umar, K. Ali and **Haroon Khan**. 2016. Investigation of antimicrobial activity of some selected weed species. *Pak. J. Weed Sci. Res.*, 22(4): 587-593.
26. Zeb, U., **Haroon Khan**, B. Gul and M.W Khan. 2016. Floristic composition and phytosociological studies of Hazar Nao hills district Malakand, Khyber Pakhtunkhwa, Pak. *J. Weed Sci. Res.* 22(2): 295-315.
27. Fawad, M., **Haroon Khan**, B. Gul, M. A. Khan and K.B. Marwat. 2015. Comparative effect of herbicidal and non-chemical control methods against water hyacinth. *Pak. J. Weed Sci. Res.* 21(4):593-605.
28. M. Kashif, B. Gul, **Haroon Khan**, S. Hidayat and M. Amin. 2015. Impact of soil moisture and soil depths on re-sprouting ability of Johnson grass (*Sorghum halepense* L.) rhizomes. *Pak. J. Weed Sci. Res.* 21(2): 327-334.
29. K. Ali, B. Gul, F. Hussain, **Haroon Khan**, M. Ali, and K. Junaid. 2015. The study of algae: the non-vascular aquatic weeds from various fresh water bodies of Peshawar Pakistan. *Pak. J. Weed Sci. Res.* 21(1): 111-122.
30. Fawad, M., B. Gul, **Haroon Khan** and Z. Khan. 2013. Study and collection of the hydrophytes of the district Swabi-Pakistan. *Pak. J. Weed Sci. Res.* 19(4): 515-522.
31. **Haroon Khan**, K. B. Marwat, G. Hassan and M.A. Khan. 2013. Socio-economic impacts of parthenium weed (*Parthenium hysterophorus* L.) in Peshawar valley, KPK. *Pak. J. Weed Sci. Res.* 19(3): 275-293.
32. **Haroon Khan**, K. B. Marwat and M. A. Khan. 2006. Impact of herbicides on some agronomic and chemical characteristics of FCV tobacco Songklanakarin J. Sci. Technol. Thailand. Vol. 28 No. 5: 929-935.
33. Shahid, M., B. Ahmad, R. A. Khattak, G. Hassan and **Haroon Khan**. 2006. Response of wheat and its weeds to different allopathic plant water extracts. *Pak. J. Weed Sci. Res.* 12(1-2): 61-68.
34. **Haroon Khan**, K. B. Marwat, M. A. Khan and N. Khan. 2004. Distributions and control of broomrape (*Orobanche* spp.) and other major weeds in district Swabi. *Pak. J. Weed Sci. Res.* 10(3-4): 193-200.
35. Hassan, G., **Haroon Khan** and M. Saeed. 2004. Dormancy studies in some major weeds of rice-based cropping system of Pakistan. *Pak. J. Weed Sci. Res.* 10(3-4): 185-192.
36. Hassan, G., **Haroon Khan** and I. Khan. 2005. Quantification of tolerance of different wild oats (*Avena fatua* L.) biotypes to clodinafop propargyl and fenoxaprop-p-ethyl. *Pak. J. Weed Sci. Res.* 11(3-4): 61- 65.
37. Hassan, G., I. Khan, **Haroon Khan** and M. Munir. 2005. Effect of different herbicides on weed density and some agronomic traits of wheat (*Triticum aestivum* L.). *Pak. J. Weed Sci. Res.* 11(1-2): 17-22.
38. Hussain, A., S. K. Khalil, S. Khan and **Haroon Khan**. 2004. Effect of sowing time and variety on grain yield of mungbean. *Sarhad J. Agric.* Vol.2, No.4.
39. Khan, N., I. Khan, M. A. Khan and **Haroon Khan**. 2004. Major rabi and kharif weeds of agronomic crops of district Bannu. *Pak. J. Weed Sci. Res.* 10(1-2): 79-86.
40. Hassan, G., **Haroon Khan**, K. B. Marwat and M. A. Khan. 2003. Studies on weed seed dynamics in soil seed bank of rice-based cropping system of Pakistan. *Pak. J. Weed Sci. Res.* 9(3-4): 259-264.
41. Hassan, G., N. Ullah and **Haroon Khan**. 2003. Effect of zero tillage and herbicides on the weed density and yield of chickpea under rice-based conditions of D.I. Khan. *Pak. J. Weed Sci. Res.* 9(3-4): 193-200.
42. Ali, R., S. K. Khalil, M. Raza and **Haroon Khan**. 2003. Effect of herbicides and row spacing on maize yield. *Pak. J. Weed Sci. Res.* 9(3-4): 171-178.

References:

⇒ **Associate Professor Dr. Saima Hashim**

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