

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

Area of Specialization:

Weed Ecology, Invasive Weeds Management & Climate Change

HEC Approved Supervisor**HEC Approved Research Projects Evaluator****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, UAP (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 in Khyber Tobacco Company Ltd. as a **Leaf Agronomy Consultant** (2013-2015).
- Worked as **Lecturer (BPS-18)** in Department of Weed Science & Botany, The University of Agriculture, Peshawar, (UAP) Pakistan. (11, March, 2013 to 7 December, 2016).
- Worked as **Assistant Professor (BPS-19)** in Department of Weed Science & Botany, UAP, Pakistan. (From 08 December, 2016 to 18 December, 2019).
- Presently working as **Associate Professor (Tenured) (BPS-20)** in Department of Weed Science & Botany, UAP, Pakistan. (From 19 December, 2019--till--to date).
- **Additional Responsibility:** Working as a Founding **Deputy Director**, Climate Change Centre (CCC), UAP, Pakistan. (Since January, 2014.....till-to-date.).

Book Published:

Title: Weeds of Tobacco in Pakistan
 Author: Haroon Khan
 ISBN: 978-38454-2035-6

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

ISBN: 978-3-319-12858

Technical Reports Prepared & Contributed:

1. Training Module Climate Smart Agriculture: Pathways to Strengthening Capabilities for Climate Smart Agriculture in Pakistan - Khyber-Pakhtunkhwa and Baluchistan
2. Climate-Smart Agriculture in Khyber Pakhtunkhwa, Pakistan. CSA Country Profiles for Asia Series. Alliance of Bioversity International & CIAT (Alliance); FAO
3. Forecasting Impact of Climate Change on Key Crops of 10 selected Districts of KPK-Pakistan (2019).
4. Climate scenarios 2011-2040 for ten Districts of Khyber Pakhtunkhwa-Pakistan (2018).
5. Climate change and adaptation-farmers; experiences from rainfed areas of Pakistan (2014).
6. Climate scenarios 2011-2040 Districts Haripur, Swabi, Attock and Chakwal Pakistan (2014).
7. Developed ever first Broacher of Climate Change Centre, UAP.
8. QEC Annual Self-Assessment Report for teaching Program of Department of weed Science.

Developed PhD course on "WS-716: Weeds & 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 Ethno-botany, Intr. to Botany, Weed Physiology, Plant Physiology

Post-Graduate students supervised and awarded degree:

1. Muhammad Ibrahim PhD -Weed Science(In-progress)
2. Abdul Samad M.Sc. (Hons) Weed Science
3. Shahab Ali M.Sc. (Hons) Weed Science
4. Ahmad Ali M.Sc. (Hons) Weed Science
5. Bilal Khan M.Sc. (Hons) Weed Science

6. Muhammad Fawad, M.Sc. (Hons) Weed Science
7. Shah Zareen, M.Sc. (Hons) Weed Science
8. Ishaq Ali Shah, M. Phil Botany
9. Umer Zeb, M. Phil Botany
10. Salma Begum, Msc Botany
11. Hana Muhammad, Msc Botany
12. Saima Maqbool, Msc Botany
13. Sara Bano, Msc Botany
14. Fareeha Samen, Msc Botany
15. Uzma Ahmad, Msc Botany

Undergraduate students supervised and awarded degree:

1. Muhammad Ibrahim B.Sc. (Hons) Weed Science
2. Adil, B.Sc. (Hons) Weed Science
3. Awais B.Sc. (Hons) Weed Science
4. Manzoor Ali B.Sc. (Hons) Weed Science
5. Muhammad Mubassir B.Sc. (Hons) Weed Science
6. Sadam Hussain B.Sc. (Hons) Weed Science
7. Huzaifa Hamad B.Sc. (Hons) Weed Science
8. Hamad Ali B.Sc. (Hons) Weed Science
9. Sikander Zeb B.Sc. (Hons) Weed Science

Member Supervisory Committees/Co supervisor:

M.Sc. (Hons)/ (M.Phil)	(PhD)
Tasneem ur Rehman-Weed Science	Muhammad Fawad-Weed Science-2021
Rana Jalal- Weed Science-2021	Ijaz Ahmad-Weed Science-2021
Hafeez Ullah-Botany	Junaid Ahmad-Agronomy-2022
Saleetha Rabial-Botany	Saiful Islam-Water Resource Management-2021
Shahida-Botany	Jan Mohd-Water Resource Management-2022
Kamran Khan-Agricultural Chemistry	Ishaq Ali Shah- Botany-2022
Sarmad Ali-Agronomy-2020	Irfanullah-Entomology-2022
Rashid Ali-PBG	
Aman Khan-Weed Science-2021	
Basit Ali-Weed Science	
Mehran Ali-Agronomy-2019	
Anis Khan-Agronomy	
Sohail Khan-Horticulture-2021	
Irfan Ullah-Entomology-2021	
Mehmood Hassan-Weed Science	
Maiz Ullah- Agronomy	
Karihsma- Entomology	
Sabir Khan- Plant Protection	

Referee/ Editor:

- Pakistan Journal of Weed Science Research
- Sarhad Journal of Agriculture, Smith & Franklin Academic Publishing Corporation UK
- Journal Revista Planta Daninha, Brazil
- Pakistan Journal of Agricultural Research; Pakistan Agricultural Research Council
- Senior Editor of International Journal Agricultural and Environmental Research
- African Journal of Agricultural Science and Technology
- Pakistan Tobacco Journal
- Journal of Agri-Food and Applied Sciences

Computer Skills: Endnote, MS Office, MSTATC, Statistix, E-mail and Operation of Climex software package (Using simulation and modeling techniques, for exploring the relationship between organisms and their climatic environment).

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

Services:

- Member of Technical Committee on Mitigation regarding revision of Pakistan Nationally Determined Contributions. Ministry of Energy (Power Division), Islamabad.
- Coordinator Learning Management System (LMS) Department of Weed Sciences, UAP
- Fellow of The Himalayan University Consortium (HUC) Academy, International Centre for Integrated Mountain Development (ICIMOD), Kathmandu, Nepal
- 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)
- 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 admission committee, The University of Agriculture Peshawar (2013)
- Member University Convocation Committee, The University of Agriculture Peshawar
- Member students tour 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

Worked as Examiner:

- External Examiner, University of Peshawar,
- External Examiner, Sardar Bahadar Khan Women University (SBWU) Quetta-Baluchistan

Awards:

- Best Debater Award (Inter college completion) (March, 1998)
- HEC Scholarship for SPLIT PhD program
- 3rd Position in B.Sc. Hons. & M.Sc Hons in Department of Weed Science
- A⁺ grade in Teacher and Course Evaluation Report by (QEC)
- HEC Travel Grant for 2nd Inter. Biotechnology, Chemical Engineering and Life Science Conference, Japan (20-22 July, 2015).
- HEC Travel Grant for the Ecology 17 Inter. Conference on Ecology, Ecosystem & Climate Change" Istanbul, Turkey (February 17-18, 2017).
- HEC Travel Grant for the 2nd Inter. Conference on Climate Change Colombo, Sri Lanka (15-16th February 2018).

Research Projects Completed:**As Principal Investigator:**

1. Establishment and Strengthening of Climate Change Center at The University of Agriculture, Peshawar KPK, (Worth Rs. 16.80 M).

As Co-Principal Investigator:

1. 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).
2. Conservation and Cultivation of Medicinal Plants at high altitude of Pakistan (ALP/PARC Rs.4.8 M).
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. Developing Climate Risk Profile of selected districts in KPK Province- Funding agency: FAO Pakistan. (Project Award: Rs. 4.927 Million)

Countries visited for various academic activities:

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

Trainings & Conference Organized:

- ❖ Technical Writing & Publishing in Scientific Journals with collaboration of Chinese Academy of Sciences at UAP, 14 May, 2014.
- ❖ National Conference on "Thinking climate change adaptation in water and farming; THINK-ADAPT November 28-30, 2016 at The University of Agriculture Peshawar, Pakistan.
- ❖ Consultative "Workshop on climate change impacts on key crops of KPK; to share the findings and to formulate recommendations" at UAP, March 29, 2018.
- ❖ 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.
- ❖ 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" & 2nd Consultative Meeting of SLM Network, 11-12 December, 2019. Planning and Development Department Govt. of KPK SLMP-II & CCC-UAP.
- ❖ 16th National Weed Science Congress of Weed Science Society of Pakistan, 08-10th, July, 2021 UAP

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.
- ❖ Int. 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.
- ❖ 9 Week school of climate change organized by Oxford Climate Society, UK, from 12th October to 7th December 2021.

National Trainings/Conferences/Workshops Attended:

- ❖ Five days workshop on Weed Science organized by Department of Weed Science, AUP-Peshawar (2001).
- ❖ One-day session on Agro-Bio Diversity in the Context of Sustainable Agriculture Development, 26 Dec. 2002 organized by IUCN.
- ❖ Inceptions meeting on Agriculture Bio Diversity Network 23 Sep. 2003 organized by IUCN.
- ❖ First International Weed Science Conference Oct. 23-26, 2003. Organized by Department of Weeds Science AUP-Peshawar.
- ❖ 6th National Weed Science Conference March 28-30, 2005. Organized by Department of Weeds Science AUP-Peshawar.
- ❖ One day workshop on "Use and Importance of Fertilizer in Pakistan" December 15, 2005. Organized by Engro Ltd.
- ❖ Awareness Seminar on Commercialization of Food Irradiation 27 July 2005, Marriot Hotel, Islamabad. Organized by (PAEC).
- ❖ 9th National Conference of Plant Scientists 13-5 February 2006. Organized by Pakistan Botanical Society at University of Sindh, Jamshoro.
- ❖ Development Course for Manager at Pakistan Institute of Management Lahore, 6-11 November 2006.
- ❖ Corporate Training Program on "Documentation in ISO 9001" Organized by National Productivity Organization Islamabad, 19-20 February 2007.
- ❖ FCV Grading training organized by Philip Morris International 2012.
- ❖ Training workshop on GIS/RIS in Department of Environmental Sciences, University of Peshawar, 9th & 10th January 2013.
- ❖ Training on "Anti-Plagiarism Policy and Procedure" Organized by HEC at The University of Agriculture Peshawar on 25 March 2013.
- ❖ Training on "IPC- Food Security Workshop" Organized by FAO at The University of Agriculture Peshawar on 29 November, 2013.
- ❖ 3rd Bio-safety training workshop for young Scientist at The University of Agriculture Peshawar on 28 January, 2014.
- ❖ 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
- ❖ Training course on "Urban Environmental Issues" 07 May, 2015. Organized by Urban Policy Unit,

P& D Department, Govt. of KPK

- ❖ 5th International & 12th National Conference of Weed Science June 12-14, 2015. Organized by Weeds Science society of Pakistan and at Shaheed Benazir Bhutto University, Sheringal, Dir (U)
- ❖ 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.
- ❖ Certification of recognition for providing admirable services as a member of editorial board of International Journal Agricultural and Environmental Research & organizer of the workshop on "Data presentation and interpretation for effective publication" Abdul Wali Khan University Mardan' on 20th March, 2018.
- ❖ National workshop on "Data presentation and interpretation for effective publication" at Abdul Wali Khan University Mardan' on 20th March, 2018.
- ❖ National conference on "Climate smart agriculture and crop modeling" The University of Agriculture Peshawar, 18-19 April, 2018.
- ❖ Workshop on "Nutrition Policy Gap Analysis" Jointly organized by SUN Cell KP & Helvetas Swiss Intercooperation at Pearl Continental Hotel, Peshawar, 7th May 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.
- ❖ Training on "Disaster Risk Reduction Through Climate Change Adaptation" Organized by National Institute of Disaster Management- NDMA Islamabad, 26-27 November, 2019.
- ❖ Seminar on "Challenges in Dry Land Agriculture in Light of Climate Change and Recommendations" & 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.
- ❖ 16th National Weed Science Conference July 08-10, 2021. Organized by Department of Weeds Science AUP-Peshawar.

- ❖ Conference on "Sustainable farming through intervention of agricultural mechanization and renewable energy technologies" on June 30 & July 01, 2021 at the Department of Agricultural Mechanization and Renewable Energy Technologies, the University of Agriculture Peshawar.
- ❖ Hands on Training Workshop on Development of Software Tools For AI Based Variable Rate Spraying Technologies, from 2-4 December 2021, organized by PMAS- Arid Agriculture University Rawalpindi
- ❖ Participated in a number of field days and workshops arranged for the farmers of KPK.

60 Publications in National and International Refereed Journals

Impact Factor Publications

1. H. Ullah, B. Gul, **Haroon Khan** et al. 2022. Effect of growth medium nitrogen and phosphorus on nutritional composition of *Lemna minor* (an alternative fish and poultry feed). *BMC Plant Biology-Part of Springer Nature* (Accepted for Publication).
2. I. Ahmad, B. Gul, M. Fawad, **Haroon Khan**, A. Zaman, F. M. Khan. 2022. Influence of various densities of Wild Oat and Holy thistle on the productivity of wheat (*Triticum aestivum*). *Gesunde Pflanzen* (Accepted for publication)
3. I. A. Shah, Z. Muhammad, **Haroon Khan**. 2022. Impact of climate change on spatiotemporal variations in the vegetation cover and land cover of District Nowshera. *Asian J. of Atmospheric Environment* (Accepted for Publication).
4. Ullah, H., Gul, B., **Haroon Khan**, Zeb, U. 2021. Effect of salt stress on proximate composition of duckweed (*Lemna minor* L.). *Heliyon*, 7(6): 405-8440.
5. 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*
6. 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.
7. 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)
8. 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)
9. 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.
10. 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.
11. 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.
12. 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.
13. **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.
14. 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.
15. **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.

16. 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.
17. **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.
18. **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.
19. 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.
20. 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.
21. **Haroon Khan**, K. B. Marwat and M. A. Khan. 2006. Impact of herbicides on some agronomic and chemical characteristics of FCV tobacco Songklanakarini. *J. Sci. Technol. Thailand*. Vol. 28 No. 5: 929-935.

National and International Publications/(HEC Recognized)

22. U. Zeb, A. Batool, **Haroon Khan**, H. Ullah, B. Gul. 2022. Ethnobotanical Assessment of Hazar Nao Hills, District Malakand, KPK, Pakistan. *Int. J. of Applied & Experimental Biology*, 1(2): 59-66.
23. Islam, S., M. Z. Khan and **Haroon Khan**. 2021. Effect of Hydrophytes on the Performance of Secondary Canal; Yar Hussain Minor, Swabi-Khyber Pakhtunkhwa, Pakistan. *Pak. J. Weed Sci. Res.*, 27(4): 565-576.
24. Idrees, M., W. M. Khan, **Haroon Khan**, A. Iqbal, N. Umar, S. Khalid and N. Ahmad. 2021. Phytoclimatic Spectrum of Weeds Flora of Toormang Valley, Dir Lower, Koh-e- Hindukush Range, Pakistan. *Pak. J. Weed Sci. Res.*, 27(4): 451-473.
25. Taj Ur Rahman, Y. Khan, M.A. Zeb, H. Khan, W. Liaqat, G. Rukh, Sheheryar, **Haroon Khan** and S. K. Izhar. 2021. Phytochemical analysis, green synthesis of silver and gold nanoparticles and antibacterial activity of *Eryngium amethystinum*. *Bioscience Research*, 18(4): 2788-2794.
26. Luqman, Z. Hussain, T. Bakht, M. Ud. Din, **Haroon Khan**, M. R. Khan, Ata Ullah, F.A. Shah, I. Khan and A. M. K. Dawar. 2021. Soil Weed Seed Bank Status In the Agroecological condition of Chitral, Pakistan. *Pak. J. Weed Sci. Res.*, 27 (3):253-262
27. Gul, B., S. Rabial and **Haroon Khan**. 2021. Efficacy of herbicides for control of duckweed (*Lemna minor* L.). *Sarhad J. of Agriculture*, 37(4): 1194-1200. <https://dx.doi.org/10.17582/journal.sja/2021/37.4.1194.1200>.
28. Abdullah, S. M. Shah, A. A. Shah, M. Muhammad, M. Abdussalam, K.U. Rehman and **Haroon Khan**. 2021. Phytodiversity and ecological features of weed species of Sufaid Sung, Peshawar. *Pak. J. Weed Sci. Res.*, 27 (2):181-190.
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