

***CURRICULUM VITAE***  
***OF***

***Dr. NAEEM KHAN***

(Associate Professor)

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**Academic Qualifications**

- PhD Weed Ecology and Management in Present and Future Climate Change from the University of Queensland, Brisbane, Australia in 2011.
- M.Sc (Hons) in Agriculture with specialization in Weed Science from the University of Agriculture, Peshawar, Pakistan in 2002.

**Field of Interest**

- Sustainable Weed Management in Grasslands and other Ecosystems
- Biodiversity Conservation and Natural Resource Management
- Invasive Weeds Ecology, Biology and Management
- Climate Change & Weeds in Agriculture

**Higher Education Commission Approved Supervisor:** Yes

**Teaching & Research Experience**

- More than 12 years teaching/research experience in the Department of Weed Science, The University of Agriculture, Peshawar, Pakistan.
- Four years Research experience in the Tropical & Sub-tropical Weed Research Unit, School of Agriculture and Food Sciences, The University of Queensland, St Lucia Campus, Brisbane, Australia.

**Research Projects Submitted**

- Worked as Co-Investigator with Professor Dr. Stephen Williams (the Principle Investigator) of the Project “Sustainable Management of Parthenium Weed” using beneficial plants and bio-control agents in southern and central Queensland, Australia. A total of AUD\$ 90000 (c. PKR. 9500000) funds were provided by Queensland Murray Darling Committee (QMDC) and Burnet Marry Regional Group (BMRG).
- Submitted a research Project “Sustainable Management of Major weeds in Maize crop in irrigated and rainfed areas of Khyber Pakhtunkhwa to Higher Education Commission Islamabad (PKR5.5 million) in 2014.

**Courses Taught**

- Biodiversity conservation (PhD)
- Herbicides and Rabi Crops (M.Sc. Hons)
- Herbicides and Kharif Crops (M.Sc. Hons)
- Research Methods in Weed Sciences (M.Sc. Hons)
- Integrated Weed Management (M.Sc. Hons)
- Advanced Weed Ecology (M.Sc. Hons)
- Weed Physiology (M.Sc. Hons)
- Introduction to Weed Science (M.Sc. Hons)
- Perennial and Parasitic Weeds (B.Sc. Hons)
- Allelopathy in Weed Management (B.Sc. Hons)
- Weeds Identification- I: Rabi Weeds (B.Sc. Hons)
- Weeds Identification-II: Kharif Weeds (B.Sc. Hons)
- Weed Management in Fruit & Vegetable crops (B.Sc. Hons)
- Introduction to Chemical Weed Control (B.Sc. Hons)
- Internship including report writing and presentation (B.Sc. Hons)
- Biodiversity Conservation (PhD)

## **Students Supervised**

- M.Sc. (Hons): 8 students supervised as major and 16 as co-advisor.
- B.Sc. (Hons): 30 students supervised as major and 13 as co-advisor.
- PhD: 2 students as Co-supervisor.

## **Administrative Experience**

- Staff Proctor at The University of Agriculture, Peshawar (2 years).
- The Academic Council member of The University of Agriculture Peshawar.
- Chaired “Tropical and Sub-Tropical Weed Research Unit” group for 2 years (2008-2010) as Manager at the School of Agriculture and Food Sciences, The University of Queensland, Brisbane, Australia.

## **Training/Short Courses and Workshops**

- One week National training course in Weed Science (October 1-6, 2001) at the Department of Weed Science, The University of Agriculture, Peshawar.
- One week training of Scientific Writing, Communication and Transfer of Technology Skills.
- Presented Paper in the First International Weed Science Conference, held at The University of Agriculture, Peshawar (March, 2005).
- Presented paper in the Second International Weed Science Conference, Held at Arid Agriculture University Rawalpindi Punjab Pakistan (March, 2006).
- Presented paper in the 21<sup>st</sup> International Weed Science Society Conference, Lahore (March, 2009).
- Presented paper in the Seventeenth Australasian Weed Conference, Christchurch, New Zealand (September, 2010).

- Presented paper in *First IOBC International Workshop on Biological Control and Management of Parthenium Weed*, Nairobi Kenya (October, 2010).
- Delivered Field Demonstrations and Integrated Parthenium Weed Management Research Findings meetings with the local Farmers and other Stakeholders at Injune and Monto Shires, southern & Central Queensland Australia (2008-2011).
- Successfully arranged and completed 5 workshops at the University of Queensland for the Project “Sustainable Management of Parthenium in southern and central Queensland” sponsored by Queensland Murray Darling Committee and Burnett Marry Regional Group.
- Carried out several field demonstrations and field day trainings at The University of Agriculture, Peshawar Pakistan and at the University of Queensland Brisbane, Australia.
- Successfully completed a 4 months Short Course on Scientific Writing at the University of Queensland, Brisbane, Australia (June – October, 2008).
- 4<sup>th</sup> international Conference on Asia Agriculture and Animal, Bangkok (9-11 June 2014).

### **Professional Societies**

- Member “Weed Science Society of Pakistan (WSSP)”, Weed Science Department, The University of Agriculture, Peshawar, Pakistan
- Member “Weed Society of Queensland, Australia (WSQ)” Queensland

### **Distinctions**

- Win Overseas 10% Scholarship Phase-II Batch-I Higher Education Commission Islamabad.
- Win Peter’s Whiteman Annual Award, The University of Queensland, Australia.
- Wind Travel grant Weed Society of Queensland in 2010.
- Awardee the Chinese Academy of Science Post Doctoral fellowship 2015.

### **Computer Skills**

- Can successfully operate most of the computer software’s and can work online used in applied research and office automation statistical packages, word processors, spreadsheets and graphic packages etc. Full command in MS office (MS Word, Excel and Word Power Point) and Internet.
- Excel and Minitab 15 & 16 English (Statistical Analysis).

**Languages:** (Pashto, Urdu, English and Arabic)

### **Research Publications:**

#### ***Papers Published/submitted in Impact Factor Research Journals***

- **Khan N**, Shabbir A, George D et al. (2014). Suppressive fodder plants as part of an integrated management program for *Parthenium hysterophorus* L. *Field Crops Research* 156:172-179.
- **Khan N**, George D, Shabbir A et al. (2014). Rising CO<sub>2</sub> can alter fodder-weed interactions and suppression of *Parthenium hysterophorus*. *Weed Research*. 55, 113–117.

- Shabbir A, Dhileepan K, **Khan N** and Adkins SW (2014). Weed-pathogen interactions and elevated CO<sub>2</sub>: growth changes in favour of the biological control agent. *Weed Research*. 1-6.
- **Khan N**, Hanif Z et al. (2014). The root growth response of a C<sub>3</sub> invasive weed and C<sub>3</sub>/C<sub>4</sub> pasture plants under an enriched atmospheric CO<sub>2</sub> level. (Submitted to *Weed Biology & Management*).
- **Khan N**, O'Donnell C, George D and Adkins SW (2013). Suppressive Ability of Selected Fodder Plants on the Growth of *Parthenium hysterophorus*. *Weed Research* 53: 61-68.
- Naveed K, Khan MA, Baloch MS et al. (2013). Effect of time of nitrogen application on morphological and physiological attributes of dual-purpose wheat. *Pakistan Journal of Botany* 45: 1299-1305.
- Khan NU, Marwat KB, Hassan G et al. (2009). Study of fiber quality traits in upland cotton using additive dominance model. *Pakistan Journal of Botany* 41: 1271-1283.
- **Khan N**, Khan NW, Khan SA et al. (2011). Combined Effect of Nitrogen Fertilizers and Herbicides Upon Maize Production in Peshawar. *Journal of Animal & Plant Sciences* 21: 1001-1006.
- Khan MA, Shah AH, Maqbol et al. (2011). Miticidal Activity of Methanolic Extract of *Vitex negundo-Lam* against *Sarcoptes scabiei* in Animals and Man. *Journal of Animal & Plant Sciences* 21: 971-976.
- Nadim MA, Awan IU, Baloch et al. (2013). Micronutrients use Efficiency in Wheat as Affected by Different Application Methods. *Pakistan Journal of Botany* 45: 887-892.

#### ***Other Published Research Papers in national/international Research Journals***

- Khan MA, Marwat KB, Hassan G and **Khan N** (2002). Impact of Weed Management on maize (*Zea mays* L.) Planted at night. *Pakistan Journal of Weed Science Research* 8: 57-61.
- Zarkoon AM, **Khan N**, Shah WA et al. (2003). Performance of wheat (*Triticum aestivum*) under different weed management practices at various growth stages. *Sarhad Journal of Agriculture* 19: 265-270.
- Shah WA, Khan MA, **Khan N** et al. (2003). Effect of Weed Management at Various Growth Stages on the Yield and Yield Components of Wheat (*Triticum aestivum*). *Pakistan Journal of Weed Science Research* 9: 41-48.
- **Khan N**, Khan I and Khan MA (2004). Major Rabi and Kharif Weeds of agronomic crops of district Bannu. *Pakistan Journal of Weed Science Research* 10: 79-86.
- **Khan N**, Hashmatullah, Naveed K et al. (2012). Assessment of Allelopathic Effects of *Parthenium (Parthenium hysterophorus* L.) Plant Parts on Wheat (*Triticum aestivum*) Cultivars Seed Germination and Seedling Growth. *Pakistan Journal of Weed Science Research* 18: 29-36.
- Khan R, Khan MA, Waqas M et al. (2012). Bioherbicidal activity of some winter weeds against some crops. *Pakistan Journal of Weed Science Research* 18: 561-569.
- Khan NW, **Khan N** and Khan IA (2012). Integration of Nitrogen Fertilizer and Herbicides for efficient Weed Management in Maize Crop. *Sarhad Journal of Agriculture* 28:457-463.
- Hussain Z, Munsif F, Shah SIA et al. (2012). Assessment of Weed Problems in Wheat Crop of Peshawar Pakistan. *Pakistan Journal of Weed Science Research* 18: 357-366.
- Jawad M, Khan N, Khan H et al. (2013). Bio-herbicidal Potentials of Wheat (*Triticum aestivum*) on Some of Its Major Weeds. *Pakistan Journal of Weed Science Research* 19: 79-87.

- **Khan N**, Jan A, Khan IA et al. (2002). Response of Wheat Cultivars to Varying Seeding Rates under Rainfed Conditions. *Asian Journal of Plant Science Research* 1: 343-345.
- Jan A, Khan NU, **Khan N** et al. (2002). Chemical Composition of Canola as Affected by Nitrogen and Sulphur. *Asian Journal of Plant Science Research* 1: 519-521.
- **Khan N**, Jan A, Ihsanullah, Khan IA et al. (2002). Response of Canola to Nitrogen and Sulphur Nutrition. *Asian Journal of Plant Science Research* 1: 516-518.
- Ihsanullah, Jan A, Taj FH, Khan IA et al. (2002). Effect of Sowing Dates on Yield and Yield Components of Mash-bean Varieties. *Asian Journal of Plant Science Research* 1: 622-624.
- **Khan N**, Naveed K and Khan I (2003). Find out the Efficacy of different herbicides measures on weed control and on yield and yield components of wheat crop. *Asian Journal of Plant Science Research* 2: 1024-1026.
- **Khan N**, Hassan G, Khan MA and Khan I (2003). Efficacy of different herbicides for controlling weeds in wheat crop at different times of application- 1. *Asian Journal of Plant Science Research* 2: 305-309.
- **Khan N**, Hassan G, Khan MA and Khan I (2003). Efficacy of different herbicides for controlling weeds in wheat crop at different times of application- 11. *Asian Journal of Plant Science Research* 2: 310-313.
- Khan MA, Marwat KB, **Khan N** and Khan IA (2003). Efficacy of Different Herbicides on the Yield and Yield Components of Maize. *Asian Journal of Plant Science Research* 2: 300-304.
- Khan MH, **Khan N** and Badshah N (2003). Effect of Weedicides and hand weeding on the yield of onion (*Allium cepa* L.). *Asian Journal of Plant Science Research*, 2(6): 464-466.
- Khan MA, **Khan N** and Khan I (2004). *Phragmites australis* (Cav): A new invasive weed in Pakistan. *Scientific Khyber* 17: 169-173.
- Hayat Y, Asim SM, Zaman Q and **Khan N** (2004). All possible regression study of wheat crop. *Pakistan Journal of Applied Science* 3: 236-239.

#### Conference Proceedings/Abstracts:

- Khan NU, Hassan G, Marwat KB et al. (2005). Herbicides effect on the weed density and grain yield of wheat under zero vs. conventional tillage regimes. 20<sup>th</sup> 2005, Ho Chi Minh City, Vietnam.
- **Khan N**, O'Donnell C, Shabbir A et al. (2010). Competitive displacement of parthenium weed with beneficial native and introduced pasture plants in central Queensland, Australia. In: *Proceedings of the 17th Australasian Weeds Conference*, Christchurch, New Zealand.
- Shabbir A, Dhileepan K, O'Donnell C et al. (2010). Management of parthenium weed: enhancing the effectiveness of biological control through competition from beneficial plants. In *Proceedings of the 17<sup>th</sup> Australasian Weeds Conference*, Christchurch, New Zealand.
- Adkins SW, O'Donnell C, **Khan N** et al. (2010). Parthenium weed (*Parthenium hysterophorus* L.) research in Australia: New management possibilities. In: *Proceedings of the 17<sup>th</sup> Australasian Weeds Conference*, Christchurch, New Zealand.
- **Khan N**, O'Donnell C, Shabbir A et al. (2010). Competitive displacement of parthenium weed with beneficial native and introduced pasture plants in central Queensland, Australia. In: *First International Workshop on Biological Control and Management of Parthenium hysterophorus Nairobi*, Kenya.

- Adkins SW, O'Donnell C, **Khan N** et al. (2010). Parthenium weed (*Parthenium Hysterophorus* L.) Research in Australia: New management Possibilities. In: *First International Workshop on Biological Control and Management of Parthenium hysterophorus Nairobi, Kenya*.
- Adkins SW, **Khan N** et al. (2012). The Sustainable Management of Parthenium weed (*Parthenium hysterophorus* L.) under changing climate. In: *Proceedings of the 6<sup>th</sup> International Weed Science Congress, Hangzhou, China*.
- **Khan N**, George D and Adkins SW (2013). Using suppressive pasture species to manage parthenium weed in northern Pakistan. The 24<sup>th</sup> Asian Pacific Weed Science Conference, Bandung, west Java, Indonesia.
- **Adkins SW**, Khan N and Nguyen T et al. (2013). The invasive alien plant parthenium weed: impacts upon crop production, human and livestock health and plant biodiversity. The 24<sup>th</sup> Asian Pacific Weed Science Conference, Bandung, west Java, Indonesia.
- **Khan N** and Khan R (2014). Using competitive pasture species to manage Parthenium in northern Pakistan. The 4<sup>th</sup> International Conference on Asia Agriculture and Animal, Bangkok Thailand.