



Dr. Ikramullah Khan

(PhD-Australia, Post Doctorate-UAE)

Curriculum Vitae

Assistant Professor
Department of Weed Science
The University of Agriculture
Peshawar-Pakistan

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Qualifications

- 2014 Post-Doctorate – Fodder and grasses under salinity stress conditions in UAE**
United Arab Emirates University, Al Ain, Abu Dhabi, UAE
Department of Aridland Agriculture
- Developed new salt tolerant UAE native grasses for animal production agriculture
 - Developed the first halophytic turfgrasses for the urban landscape from native Arabian desert grass species
 - Received Post-Doctoral Fellowship from the UAE University Al Ain, UAE
- 2013 PhD – Plant Sciences/Agriculture**
The University of Queensland, Brisbane, Australia
School of Agriculture and Food Sciences
- **Thesis: “Spread of weed seeds and its prevention”**
 - Awarded four years University of Queensland International Research Award (Tuition fee waiver),
 - University of Queensland Living Allowance Scholarship and
 - University of Queensland Research Travel Grant
- 2006 M. Phil. Botany**
University of Peshawar, Peshawar, Pakistan
Department of Botany
- **Thesis: “Ethnobotany of Invasive flora of the North-West Frontier Province - Pakistan”**
 - Awarded a two-year Higher Education Commission Talent Scholarship
- 2000 M. Sc. Botany**
University of Peshawar, Peshawar, Pakistan
Department of Botany
- **Thesis: “Efficacy of different herbicides in controlling weeds in wheat crop”.**
 - Awarded a Two-year Higher Education Commission Merit Scholarship
- 1997 B. Sc. Biology**
Gomal University, Dera Ismail Khan, Pakistan
- Completed a two-year general science degree in Botany, Zoology and Chemistry
 - Awarded a Two-year District Merit Scholarship

Relevant teaching and research experience (15.5 years)

- Hosted Scientist, Global Innovation for Agriculture, Abu Dhabi Food Control Authority (ADFCA), Abu Dhabi, UAE.
- Post-Doctoral Research Fellow, College of Food and Agriculture, UAE University, Al Ain, UAE (December 19, 2013 to December 18, 2014).
- Assistant Professor (BS-19), Department of Weed Science, NWFP Agricultural University Peshawar, Pakistan (July 08, 2010 to date).
- Ph. D. Research student in the School of Land, Crop and Food Sciences, The University of Queensland, St Lucia campus, Brisbane, Australia.

(24th March 2008 to 22nd March 2012).

- Teaching at Aboriginal & Torres Strait Islander Studies Unit, Indigenous Tutorial Assistance Scheme (ITAS), The University of Queensland, St Lucia campus, Brisbane, Australia (24th August 2009 to 22nd March 2012).
- Lecturer (BS-18), Department of Weed Science, NWFP Agricultural University Peshawar, Pakistan (January 01, 2007 to July 08, 2010).
- Lecturer (BS-17), Department of Weed Science, NWFP Agricultural University Peshawar, Pakistan (February 17, 2003 to January 01, 2007).
- Lecturer (BS-17), Department of Weed Science, NWFP Agricultural University Peshawar, Pakistan, On Contract Basis (February 12, 2001 to February 17, 2003).

Distinctions and awards

- ✓ Selected as one of the top 300 hosted agricultural scientists around the world by the UAE government in 2015.
- ✓ Awarded Post-Doctoral Fellowship, College of Food and Agriculture, UAE University, Al Ain, UAE.
- ✓ Awarded four years University of Queensland International Research Award (UQIRA)
- ✓ Received the University of Queensland Living Allowance Scholarship (UQRS)
- ✓ Awarded the University of Queensland Graduate School Research Grant
- ✓ Got Young Scientist Award/ Best presenter award in the 22nd Asian Pacific Weed Science Society Conference, Lahore, Pakistan, 2010.
- ✓ Graduate School Research Travel Grant (GSRTG), The University of Queensland, Australia, 2009.
- ✓ Our Common Future Fellowship – Climate change (VolkswagenStiftung sponsored) Germany, 2009.
- ✓ Membership Global Young Faculty – Climate change (VolkswagenStiftung sponsored) Germany, 2009.
- ✓ Travel Award by Kirkhouse Trust (UK) for Australia, March 2008.
- ✓ Travel Grant by Higher Education Commission of Pakistan (HEC) to attend the 21st Asian Pacific Weed Science Conference in Colombo (Sri Lanka), October, 2007.
- ✓ Travel Award by Higher Education Commission of Pakistan (HEC) to attend and present paper in the International Symposium on Dry land and Human Security (ISDHS) in Dubai (UAE), December, 2006.
- ✓ Sponsored membership of the Society for Conservation Biology (SCB), USA.
- ✓ First Class Academic Career.

Training and short courses

- ❖ Attended workshop on “Marine Biology-Ecology and Applications, Advancements and Issues of 21st Century” organised by OIC Standing Committee on Scientific and Technological Cooperation (COMSTECH) Islamabad in Collaboration with the National Institute of Oceanography, Karachi, Pakistan, June 26-28, 2012.
- ❖ Staff Development Course conducted by National Academy of Higher Education and Higher Education Commission of Pakistan at NWFP Agricultural University Peshawar-Pakistan, February 26 to March 22, 2007.
- ❖ Training of the Presiding officers in Peshawar conducted by UNDP in collaboration with the Govt. of Pakistan, December 8, 2007.
- ❖ Workshop on “Current Trends in Plants Systematic”, Department of Botany, University of Karachi, Pakistan. August 29-September 1, 2005.
- ❖ One Month Preliminary Training in “Basic Molecular Techniques in Biology” at National Institute of Biotechnology and Genetic Engineering (NIBGE) Faisalabad, March 12 to April 11, 2005.
- ❖ Conducted “Workshop for In-service Teachers of Botany” Sponsored by Higher Education Commission of Pakistan in collaboration with Department of Weed Science, NWFP Agricultural University Peshawar- Pakistan, August 9-14, 2005.

- ❖ National Workshop for Life Scientist held in Kohat University of Science and Technology, Kohat-Pakistan, August 15-23, 2005.
- ❖ National training course in “Weed Science” at Department of Weed Science, NWFP Agricultural University Peshawar, October 1-6, 2001.
- ❖ National training course in “Latest Development in Molecular Biology and Biotechnology” at Centre of Excellence in Molecular Biology (CEMB), Lahore, October 8-13, 2001.
- ❖ Organized “Science Fair” in the University of Peshawar-Pakistan, October 27-29, 1999.

Conferences and seminars attended

1. Attended “Global Forum for Innovations in Agriculture” held in Abu Dhabi, February 03 -04, 2014.
2. Presented paper on weed seed spread by utility vehicle in Southeast Queensland, in 23rd Asian Pacific Weed Science Conference (APWSS) held in Cairns, Australia. September 26-29, 2011.
3. Attended “Our Common Future” congress held on 2-6 November, 2010 in Hannover and Essen, Germany.
4. Presented research article in the 22nd Asian Pacific Weed Science Society Conference March 08-12, 2010, Govt. College University Lahore, Pakistan.
5. Presented research paper on “Reducing viable weed seed spread” in a one day seminar on “Weed Biology” The University of Queensland, Brisbane, Australia (August 27, 2010).
6. Attended Conference of the Australian Branch of the International Association of Plant Biotechnology “Culturing a sustainable future” 24th – 26th November 2009. The Terrace Room, Sir Lew Edwards Building The University of Queensland, Brisbane, Australia.
7. Presented Research paper in 21st Asian Pacific Weed Science Society (APWSS) Conference, held at the Galle Face Hotel, Colombo, Sri Lanka from 2-6 October 2007.
8. Presented Paper on Invasive weeds in the International Symposium on Dry lands Ecology and Human Security (ISDEHS, 2006) in Dubai-UAE.
9. Presented Paper on “Invasive Weeds Threat to the Biodiversity” In the First International Conference, held in October 23-26, 2003” at NWFP Agricultural University Peshawar, Pakistan.
10. Presented Research article in the 6th National weed science conference, held in March 28-30, 2005, Department of Weed Science, NWFP Agricultural University Peshawar, Pakistan.
11. Presented Paper in the Second International weed Science Conference, University of Arid Agriculture, Rawalpindi, Pakistan. March 20-22, 2006
12. Attended 6th Plant Science Conference held in Botany Department 1999, University of Peshawar, Pakistan
13. Attended 8th Plant Science Conference held in Botany Department 2003, University of Karachi, Pakistan
14. Attended Seminar of Biodiversity Conservation held in October 2003, in Weed Science Department, NWFP Agricultural University, Peshawar.

Professional Societies

- ✓ Member “Society for Conservation Biology (SCB) USA.
- ✓ Member “Asian Pacific weed Science Society (APWSS).
- ✓ Member “International Association for Plant Tissue Culture and Biotechnology (IAPTC&B) Australian Branch” Brisbane, Australia.
- ✓ Member, Weeds Society of Queensland (WSQ), Australia.
- ✓ “Our Common Future” Fellow (Germany)
- ✓ Member “Global Young Faculty” (Germany)
- ✓ Member “Weed Science Society of Pakistan (WSSP)”, Weed Science Department, Agricultural University Peshawar, Pakistan.
- ✓ Chief Organizer of the Student Wing in the Weed Science Society of Pakistan (WSSP).

Dr. Ikramullah Khan

- ✓ Member “Pakistan Botanical Society (PBS)” University of Karachi, Pakistan.
- ✓ Member “Pakistan Ethno botanical Association (PEA)” Weed Science Department, NWFP Agricultural University Peshawar, Pakistan.
- ✓ Member, United Nation Student Association (UNSA), the University of Queensland, Australia.
- ✓ Member, National Academy of Young Scientists (NAYC) – Pakistan.
- ✓ Member, Occupational Health and Safety (OH&S) Committee, School of Agriculture and Food Science, Faculty of Science, the University of Queensland, Australia.

Field of specialization

- Botany
- Salt tolerant plants
- Herbicides Resistance
- Plant Anatomy
- Weed Physiology
- Weed Identification
- Plant Biodiversity and Conservation
- Invasive Weeds

Taught courses at under graduate, graduate and postgraduate level

- ❖ Invasive Species (Ph. D) Agriculture
- ❖ Botany (B.Sc. Hons) Agriculture
- ❖ Introduction to Plant Taxonomy (B.Sc. Hons) Agriculture
- ❖ Plant Taxonomy (M.Sc. Botany)
- ❖ Weed Identification I- Kharif weeds (B.Sc. Hons) Agriculture
- ❖ Weed Identification II- Rabi weeds (B.Sc. Hons) Agriculture
- ❖ Plant Anatomy (B.Sc. Hons) Agriculture
- ❖ General Weed Science (B.Sc. Hons) Agriculture
- ❖ Weed Ecology (M.Sc. Botany)
- ❖ Ethnobotany (M.Sc. Hons) Agriculture
- ❖ Invasive Weeds (M.Sc. Hons) Agriculture
- ❖ Biodiversity Conservation (M.Sc. Botany)
- ❖ Problems Solving in Agricultural system at the University of Queensland-Australia (MS)
- ❖ Research Methodology (M.Sc. Botany)
- ❖ Plant Genetics (M.Sc. Botany)

Courses developed

- ❖ Introduction to Plant Taxonomy (B.Sc. Hons) Agriculture
- ❖ Plant Taxonomy (M.Sc. Botany)
- ❖ Weed Identification I- Kharif weeds (B.Sc. Hons) Agriculture
- ❖ Weed Identification II- Rabi weeds (B.Sc. Hons) Agriculture
- ❖ Plant Anatomy (B.Sc. Hons) Agriculture
- ❖ Ethnobotany (M.Sc. Hons) Agriculture

Research projects completed/ submitted

1. "Weed seed spread by animals in Khyber Pakhtunkhwa, Peshawar – Pakistan". 2010. Sponsored by the University of Queensland Graduate School, Brisbane, Australia, worth AUS \$ 5,000 = Rs. 500,000.
2. "Medicinal and aromatic plants of Northwest Pakistan", 2005. Sponsored by Alif Laila Foundation, Lahore, Pakistan, worth Rs. 20,000.
3. Studies on important crops and their associated invasive weeds under the climate change conditions in Pakistan, worth US \$ 5.00 million, Funded by PARC (Submitted).
4. Invasion of weeds through their seeds in wheat, chickpea, mustard and maize and their prevention in Pakistan, worth Rs. 4.6 million. Funded by PARC and US Aid (Submitted).

Students supervised/under supervision at graduate and post graduate level

1. Mr. Anees Amin (PhD-Agro biodiversity under climate change-in progress)
2. Mr. Muhammad Sadiq (PhD-Weed Ecology, in progress)
3. Mr. Nehemiah Mahase (MS-The University of Queensland, Australia)
4. Miss Naila Azam (M.Phil. Botany)
5. Mr. Muhammad Shuaib (M.Sc. Botany)
6. Mr. Awais Jamal (M.Sc. Hons. Agriculture)
7. Mr. Abdul Maajid Khan (M.Sc. Hons. Agriculture)
8. Miss Nida Sareer (M.Sc. Botany)
9. Mr. Sharifullah (M.Sc. Botany)
10. Miss Nida Jan (M.Sc. Botany)
11. Miss Sabina Mubarik (M.Sc. Botany)
12. Miss Saira Mukhtar (M.Sc. Botany)
13. Miss Reema Yousaf (M.Sc. Botany)
14. Miss Shahana Malik (M.Sc. Botany)
15. Miss Reshman Naz (M.Sc. Botany)
16. Miss Nasreen (M.Sc. Botany)
17. Miss Naheed (M.Sc. Botany)
18. Miss Hikmat- un- Nisa (M.Sc. Botany)
19. Mr. Shakirullah Khan (B.Sc. Hons. Agriculture)
20. Nooor Wali Khan (B.Sc. Hons. Agriculture)
21. Mr. Muhammad Khalid Khan (B.Sc. Hons. Agriculture)
22. Miss Bushra Faiz (M.Sc. Hons. Agriculture)
23. Mr. Farooq Khalil (B.Sc. Hons. Agriculture)
24. Miss Masooma Tariq (B.Sc. Hons. Agriculture)
25. Mr. Awais Jamal (B.Sc. Hons. Agriculture)

Referee for journals

- ❖ Pakistan Journal of Weed Science Research, the University of Agriculture, Peshawar-Pakistan.
- ❖ Sarhad Journal of Agriculture, The University of Agriculture, Peshawar- Pakistan
- ❖ Asian Journal of Plant Sciences, Faisalabad – Pakistan.
- ❖ American- Eurasian Journal of Agriculture & Environmental Sciences, Lahore, Pakistan.
- ❖ Pakistan Journal of Plant Sciences, University of Peshawar- Pakistan.

Computer and Statistical Knowledge

Full command on MS Office (MS Word, Excel and Power point), internet and Endnote. Having good command of the data analysis included the general linear model, regression modelling, multiple linear regressions and Pearson's correlation, and the factorial experimental design including analysis of variance and least significant difference values, utilising Minitab-17, GenStat, Sigma Plot, Statistix and Excel.

Publications and presentations

Published Papers

1. U. Ali, I. Begum, A. Razzaq, A. Rashid, F. Hadi and **I. Khan**. 2016. Diversity and seasonal variations of fresh water algae in Lund Khwar, District Mardan, Khyber Pakhtunkhwa Pakistan. **Pak. J. Weed Sci. Res.** 22(1): 183-195.
2. **Khan, I.**, S. Navie, D. George. C. O' Donnell and S. W. Adkins. 2016. Seed spread by utility vehicle; A case study from Southeast Queensland. **Austral Ecology**. In press (**Impact factor – 1.8**).
3. Hussain, B., K. Dawar, **I. Khan** and A. Abbas. 2016. Effect of various levels of NP fertilizers on maize (*Zea mays* L.) under different moisture conditions. **International Journal of Agronomy and Agricultural Research (IJAAR)**. Vol. 8, No. 4, p. 54-66. (**Impact factor – 1.759**).
4. Nawazish, S., S. M. Bukhari, A. Muhammad, **I. Khan**, A. J. Alhassan, M. Hussain and A. Zaidi. 2016. Comparative analysis of toxic metals on Motorway and National Highway. **Kuwait Journal of Science**. In press (**Impact factor – 0.310**).
5. Mubarik, S., **I. Khan**, M. Shuaib, R. A. Memon, G. Shaheen and Hashmatullah. 2015. Allelopathic effect of important weeds on growth and germination of maize (*Zea mays*). **Pak. J. Weed Sci. Res.** 21(2): 173-180.
6. Habib-Ul-Hassan, W. Murad, N. Ahmad, A. Tariq, **I. Khan**, N. Akhtar and S. Jan. 2015. Indigenous uses of the plants of Malakand valley, district Dir (Lower), Khyber Pakhtunkhwa, *Pakistan*. **Pak. J. Weed Sci. Res.** 21(1): 83-99.
7. Naz, R., **I. Khan** and M. Fazil. 2014. Taxonomic determination of algae of sangota District swat, Pakistan. 2014. **Pak. J. Weed Sci. Res.** 20(4): 465-478.
8. Shuaib, M., **I. Khan**, Sharifullah, R. Khan, Hashmatullah, S. Mubarik and R. Naz. 2014. Ethnobotanical studies of spring flora of Dir Lower, Khyber Pakhtunkhwa, *Pakistan*. **Pak. J. Weed Sci. Res.** 20(1): 37-49.
9. Khan, R., M. A. Khan, S. Sultan, K. B. Marwat, **I. Khan**, G. Hassan and H. U. Shah. 2013. Nutritional quality of sixteen terrestrial weeds for the formulation of cost-effective animal feed. **The Journal of Animal and Plant Sciences**. 23(1 Suppl.): Page: 75-79. (**Impact factor – 0.638**).
10. Khan, I. A., M. I. Khan, **I. Khan**, M. Imran, M. Idrees and S. Bibi. 2013. Effect of different herbicides and plant extracts on yield and yield components of wheat (*Triticum aestivum* L.). **Pak. J. Bot.** 45(3): 981-985. (**Impact factor – 1.207**).
11. **Khan, I.**, C.O'Donnell, S. Navie, D. George and S.W. Adkins. 2012. Weed seed spread by vehicles: a case study from southeast Queensland. **Pak. J. Weed Sci. Res.** 18, Special Issue; 281-288.
12. Khan, A. M., Z. Hussain, **I. Khan**, R. Khan, M. Waqas, M. Haroon, Z. Ali and I. A. Khan. 2012. Studies on weed seed bank of new developmental Farm, KPK Agricultural University Peshawar, Pakistan. **Pak. J. Weed Sci. Res.** 18 (2): 183-189.
13. Murad, W., A. Ahmad, G. Ishaq, M. S. Khan, A. M. Khan, I. Ullah, Azizullah and **I. Khan**. 2012. Ethnobotanical studies on plant resources of Hazar Nao forest, district Malakand, Pakistan. **Pak. J. Weed Sci. Res.** 18 (4): 509-527.
14. Ali, H., H. Ahmad, M. Yousaf, K. B. Marwat, B. Gul and **I. Khan**. 2012. Trade potential and conservation issues of medicinal plants in district Swat, Pakistan. **Pak. J. Bot.** 44(6): 1905-1912. (**Impact factor – 1.207**).
15. Khan, M. I., G. Hassan, **I. Khan**, K. B. Marwat, and M.A. Khan. 2011. Factors influencing seed germination of wild onion and chickpea cultivars. **Pak. J. Bot.** 43(6): 2787-2792. (**Impact factor – 1.207**).

16. Khan, M. I., G. Hassan, **I. Khan**, K. B. Marwat, N. U. Khan and R. Gul. 2011. Tolerance of chickpea (*Cicer arietinum* L.) cultivars to the major chickpea herbicides. **Pak. J. Bot.** 43(5): 2497-2501. **(Impact factor – 1.207).**
17. **Khan, I.**, K. B. Marwat, I. A. Khan, H. Ali, K. Dawar, H. Khan. 2011. Invasive weeds of southern districts of Khyber Pakhtunkhwa, Pakistan. **Pak. J. Weed Sci. Res.** 17 (2):161-174.
18. Dawar, K., **I. Khan**, S. Khan and M. I. Khan. 2011. Effect of urea with or without urease inhibitor (NBPT) and herbicide on maize yield. **Pak. J. Weed Sci. Res.** 17(2):207-213.
19. Dawar, K., **I. Khan**, S. Khan, M. I. Khan. 2011. The impact of urease inhibitor (NBPT) and herbicide on the yield and quality of wheat. **Pak. J. Weed Sci. Res.** 17(2): 187-194.
20. Khan, N. U., G. Hassan, K. B. Marwat, M. B. Kumbhar, **I. Khan**, Z. A. Soomro, M. J. Baloch and M. Z. Khan. 2009. Legacy study of cotton seed traits in upland cotton using griffing's combining ability model. **Pak. J. Bot.** 41(1): 131-142. **(Impact factor – 1.207).**
21. Khan, N. U., G. Hassan, M. B. Kumbhar, S. Kang, **I. Khan**, A. Parveen and U. Aiman. 2007. Heterosis and Inbreeding Depression and Mean Performance in Segregation Generations in Upland Cotton. **European Journal of Scientific Research** ISSN 1450-216X Vol.17 No.4 pp.531-546. **(Impact factor – 0.74).**
22. **Khan, I.**, Razzaq and M. Islam. 2007. Ethnobotanical studies of some medicinal and aromatic plants at higher altitudes of Pakistan. **American- Eurasian J. Agric. & Environ. Sci.** 2(5): 470-473.
23. **Khan, I.**, K. B. Marwat, Z. Hussain, 2007. Chemical weed management in wheat at higher altitudes. **Commun. Agric. Appl. Biol. Sci.** 72 (2):259-64.
24. Islam, M., H. Ahmad A. Razaq, N. Akhtar, A. Rashid and **I. Khan**. 2006. Weeds and medicinal plants of Shawar Valley, District Swat. **Pak. J. Weed Sci. Res.** 12(1-2): 82-86.
25. Hanif, Z., S. A. Khan, K. B. Marwat, I. A. Khan and **I. Khan**. 2004. Important Weeds of wheat Crop in Malakandher Farm, N.W.F.P. Agricultural University Peshawar. **Pak. J. Weed Sci. Res.** 10(3-4): 109-112.
26. Khan, M. A., N. Khan and **I. Khan**. 2004. *Phragmites australis* (Cav): A new invasive weed in Pakistan. **Scientific Khyber.** 17(2): 169-173.
27. Khan, N., **I. Khan** and M. A. Khan. 2004. Major Rabi and Kharif Weeds of agronomic crops of district Bannu. **Pak. J. Weed Sci. Res.** 10(1-2): 79-86.
28. Khan, N., K. Naveed and **I. Khan**. 2003. Efficacy of different herbicides measures on weed control and on yield and yield components of wheat crop. **Asian. J. Plant Sci. Res.** 2(14): 1024-1026.
29. Khan, N., G. Hassan, M. A. Khan and **I. Khan**. 2003. Efficacy of different herbicides for controlling weeds in wheat crop at different times of application- 1. **Asian. J. Plant Sci. Res.** 2(3): 305-309.
30. **Khan, I.**, G. Hassan and K. B. Marwat. 2002. Efficacy of different herbicides for controlling weeds in wheat crop- II. Weed Dynamics and herbicides. **Pak. J. Weed Sci. Res.** 8(1-2): 41-47.
31. **Khan, I.**, Z. Muhammad, G. Hassan and K. B. Marwat. 2001. Efficacy of different herbicides for controlling weeds in wheat crop -1. **Scientific Khyber.** 14(1): 51-57.

In Process

32. **Khan, I.**, S. Navie, D. George and S. W. Adkins. 2015. Seed kill through heat, moisture and solar radiation under clear plastic mulch. **Weed Research** (submitted- **Impact factor – 2.015**).
33. **Khan, I.**, S. Navie, D. George, C. O' Donnell, C. Campbell, W. Vogler and S. W. Adkins. 2015. Prevention of vehicular weed invasion through their seeds on vehicles: Efficacy of wash down facilities. **Ecological Applications** (Submitted- **Impact factor – 2.7**).

34. Khan, I., S. Navie, D. George and S. W. Adkins. 2015. Weed seed spread through domesticated animals and green baled fodder in Queensland, Australia. **Journal of Agriculture, Ecosystems & Environment (Submitted- Impact factor – 3.203).**
35. Khan, I., S. Navie, D. George and S. W. Adkins. 2015. Weed seed spread through animals and grain seed lots in Khyber Pakhtunkhwa, Pakistan. **Weed Biology and Management (Submitted Impact factor – 0.537).**
36. Malik, S. and I. Khan. 2015. Effect of gamma radiations (using 60Co) on seed germination and growth of turnip plant (*Brassica rapa* L.). **The Journal of Animal and Plant Sciences (in press Impact factor – 0.638).**

Conference Abstracts

37. Khan, I., S. Navie, D. George and S. W. Adkins. 2013. Prevention of weed invasion through small vehicles in Queensland, Australia. Sixteen European Weed Research Society Symposium, Samsun, Turkey, held on June 24-27.
38. Adkins, S.W., N. Khan, T. Nguyen, A. Shabbir, I. Khan, Z. Hanif, A. Belgeri, R. Toh and S. Allan. 2013. The invasive alien plant parthenium weed: impacts upon crop production, human and livestock health and plant biodiversity. 24th Asian Pacific Weed Science Conference (APWSS) held in West Java, Indonesia, on October 22-25.
39. Khan, I., C. O'Donnell, S. Navie, D. George, T. Nguyen and S. W. Adkins. 2013. Weed seed spread by vehicles. 12th Queensland Weed Symposium, at The Boat Club, Hervey Bay, Australia, held on July 15-18.
40. Adkins, W. S, N. Khan, T. Nguyen, A. Shabbir, I. Khan, Z. Hanif, A. Belgeri, R. Toh and S. Allan. 2013. Parthenium weed (*Parthenium hysterophorus* L.): a significant threat to the agroecosystems of southern Asia. The 4th Tropical Weed Science Conference, January 23-25, Chiang Mai, Thailand.
41. I. A. Khan, B. Gul, M. Saeed and I. Khan. 2012. Impact of soil solarization in combination with other weed control strategies on weed management in onion nurseries. 4th International Weed Science Congress, Agricultural University Peshawar, Pakistan, September 06-08.
42. Khan, I., S. Navie, D. George, S. Campbell, S. Adkins, W. Vogler. 2012. Efficacy and improvement of wash down facilities in preventing weed seed spread by vehicles in Queensland, Australia. IENE International Conference, Safeguarding Ecological Functions Across Transport Infrastructure, Potsdam, Germany, October 21 – 24, page 255.
43. Adkins, S.W., C. O'Donnell, N. Khan, T. Nguyen, I. Khan, A. Shabbir, K. Dhileepan, D. George, Z. Hanif, R. Toh, A. BelgeriGarcia, S. Navie, L. Strathie, A. McConnachie, L. Nigatu, G. Hassan, G. Naseem, and W. Mersie. 2011. Towards the sustainable management of parthenium weed (*Parthenium hysterophorus* L.) under a changing climate: An international collaborative approach. Invasive Weeds as a Threat to Agriculture and Human Health- Symposium at the recent 2011 APS-IPPC Joint Meeting Sessions in Honolulu, Hawaii, USA, August 6-10.
44. Adkins, S.W., C. O'Donnell, N. Khan, T. Nguyen, I. Khan, A. Shabbir, K. Dhileepan, D. George and S. Navie. 2010. Parthenium weed (*Parthenium hysterophorus* L.) research in Australia: New management possibilities. Australasian Weeds Conference held in New Zealand, Christchurch, September 26-30.
45. Khan, I., C.O'Donnell, S. Navie, D. George and S. Adkins. 2010. Weed seed spread by vehicles: A preliminary study from southeast Queensland, Australia. Oral Presentation in the 22nd Asian Pacific Weed Science Conference (APWSS) in Lahore, Pakistan, March 08-12.
46. Adkins, W. S., C. O'Donnell, N. Khan, T. Nguyen, I. Khan, A. Shabbir, K. Dhileepan, D. George, Z. Hanif, R. Toh, A. B. Garcia, S. Navie, L. Strathie, A. McConnachie, L. Nigatu, G. Hassan, G. Nasim and W. Mersie. 2010. Towards the sustainable management of parthenium weed (*Parthenium hysterophorus* L.) under a changing climate: An international collaborative approach. Third International Conference on Parthenium Weed, December 8-10, 2010, organized by Indian

Dr. Ikramullah Khan

Agricultural Research Institute, New Delhi and Entomological Society of India with Indian Council of Agricultural Research, New Delhi, Medical Council of India, National Biodiversity Authority, India, Department of Biotechnology.

47. **Khan, I.**, and K. B. Marwat. 2008. Biodiversity at risk from extinction due to invasive weeds. Annual meeting of the Society for conservation biology SCB, The University of Tennessee at Chattanooga's Department of Biological and Environmental Sciences, Chattanooga, Tennessee, USA, July 13-18.
48. **Khan, I.**, K. B. Marwat and Z. Hussain. 2007. Chemical weed management in wheat at higher altitudes. Proc. 59th International Symposium, Crop Protection, Gent, Belgium, May 22, Page: 259.
49. Hassan, G., M. Tariq, I.A. Khan, I. Khan and **I. Khan**. 2006. Interference of wild oats with wheat. Second International Conference, University of Arid Agriculture, Rawalpindi, March 20-22. Page: 22.
50. Saeed, M. K. B. Marwat and **I. Khan**. 2006. Weed Management in dry lands of Pakistan. International Symposium on Dry lands Ecology and Human Security (ISDEHS 2006), Dubai (UAE), Abstract No.228/2006 Page: 81.
51. Hussain, Z., K. B. Marwat, **I. Khan**, M. Saeed and B. Gul. 2006. Evaluation of Chemical Weed Control in Wheat at Different Densities and Sowing Methods under Rainfed Conditions. International Symposium on Dry lands Ecology and Human Security (ISDEHS 2006), Dubai (UAE), http://isdehs.com/html/2006_247.html.
52. Khan, I. A., G. Hassan, S. Ahsan, S. Bibi and **I. Khan**. 2006. Comparison of different wild oats Biotypes. Second International Conference, University of Arid Agriculture, Rawalpindi, March 20-22, Page: 55.
53. **Khan, I.** and K. B. Marwat. 2006. Invasive weeds threat to the biodiversity, A Case Study District Lakki Marwat. International Symposium on Dry lands Ecology and Human Security (ISDEHS 2006), Dubai (UAE). Abstract No. 94/2006, Page: 53.
54. **Khan, I.**, K. B. Marwat and Z. Hussain. 2005. Efficacy of different herbicides for weed management in wheat crop at higher altitudes. 1st Kashmir International Science Conference, University of A. J. & K., September 220-21, Page: 17.
55. **Khan, I.**, K. B. Marwat and A. Rasheed. 2003. Invasive Weeds Threat to the Biodiversity. First International Conference, NWFP Agricultural University Peshawar, Pakistan, held in October 23-26.

Personal background

Full name: Ikramullah Khan. Born on 18 April 1978, good health and professionally sound. Interests include Cricket, Badminton, Basket ball, Internet and Gardening.

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Research statement

I am working as Assistant Professor in the Department of Weed Science, The University of Peshawar-Pakistan. I have earned my PhD from the University of Queensland, Brisbane, Australia in 2013. My PhD studies were fully funded by the University of Queensland through University of Queensland Research Scholarship and University of Queensland International Research Award. Recently I completed my Post Doctorate from the UAE University Al Ain, UAE in 2014.

I am well-known Weed scientist, working on alien invasive species. I discovered alien weed i.e. parthenium weed seeds on utility vehicles in Australia. Parthenium weed is one of the 20 noxious weeds in Australia, which is banned in Australia. Moreover, I also discovered the inefficiency of 80 wash down facilities in Queensland, Australia, on which the Queensland government spends millions of dollars annually. I worked on its improvement to make those wash down facilities effective in reducing weed seed spread.

In UAE University, I introduced three native grass and forage species, which can grow well on the sea water (from 20,000 ppm to 45,000 ppm), which is a breaking news for the UAE farmers. Moreover, I and my team started first time, the discipline of “Weed Science” in Pakistan. I am also active member of different scientific societies such as Asian Pacific Weed Science Society, Society for conservation Biology, Weed Science society of Pakistan, Pakistan Botanical Society and Global Young Faculty etc. I have published more than 60 research papers in international peer reviewed journals and attended more than 20 international conferences in Germany, Sri Lanka, Australia, New Zealand, UAE and Pakistan.

Now my focus will be on the identification of invasive species and their impact on the local agro-biodiversity under the climate change conditions.