

Curriculum Vitae of Asad Shabbir (March 2015)

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Born Lahore, Pakistan, Sept 19 1976
Nationality Pakistani

PROFESSIONAL PREPARATION

2008-2012 PhD Environmental Biotechnology, the University of Queensland, Australia
2000-2002 MPhil. in Plant Sciences, University of the Punjab Lahore, Pakistan
1998-2000 MSc. in Plant Sciences, University of Arid Agriculture, Rawalpindi, Pakistan

RESEARCH INTERESTS

My main research interests are interaction between plant competition and herbivory and how these two factors interact to impact the bionomics of the invasive plants.. My other area of interest is to develop ecological modelling for current and future spread of invasive plants and their biological control agents.

APPOINTMENTS

2012-present Assistant Professor, Department of Botany, University of the Punjab, Lahore Pakistan.
2011-2012 Professional Research Associate, Rural Industries Research and Development Cooperation funded project University of Queensland, Australia.
2009-2011 Scientific Assistant, Biosecurity Queensland, Alan Fletcher Research Station Brisbane Queensland, Australia.
2003-2008 Lecturer at Department of Mycology and Plant Pathology, University of the Punjab, Lahore, Pakistan.

NATIONAL AND INTERNATIONAL PROJECTS

- Co-PI, Higher Education Commission (HEC) funded research project on biology, ecology and management of parthenium weed under the program international linkages of Pakistani Universities with universities of technologically advanced countries (US\$ 110,000.00). 2009-2012
- Co-Investigator, Rural Industries Research and Development Cooperation, Australia funded project on suppressive plants as a part of integrated weed management program for parthenium weed (US\$ 150,000.00). 2011-2012
- Principal Investigator of PU funded project on predictive modeling for future selection and spread of the biological control agents of parthenium weed in Pakistan (PKR 500, 000.00). 2012-2013
- Principal Investigator of PU funded project on Ecological Impact Assessment studies of invasive plants in riparian habitats of Lahore. (PKR 500, 000.00) 2013-2014

ACADEMIC BACKGROUND & PROFESSIONAL ACTIVITIES

- Selected as an expert member to perform a pest risk analysis (PRA) for *P. hysterophorus*, organized by European and Mediterranean Plant Protection Organization (EPPO) held at Paris from 1-5 July 2013.
- Second position in the final exam of Master of Philosophy in Plant Sciences (Session 2000-02).
- Member, board of studies and faculty of science in Department of Mycology and Plant Pathology University of the Punjab Lahore during 2007-08.
- Teaching Assistant, School of Agriculture & Food Sciences, the University of Queensland, AGRC 1019 (Plant Utilization in Natural and Agricultural Systems), PLNT 3012 and 6894 (Weed Science)
- Editor in chief of international parthenium weed newsletter published from Tropical and Sub-Tropical Weed Research Unit (T & SWRU) The University of Queensland.
- Coordinator of International parthenium weed Network (IPaWN), Tropical and Sub-Tropical Weed Research Unit (T & SWRU).
- Web & newsletter editor of Asian Pacific Weed Science Society (APWSS).

- Organizing secretary, HEC symposium on awareness of *Parthenium* weed held from 6 -7th August 2004 at Department of Mycology and Plant Pathology University of the Punjab Lahore.

PRIZES WON & OTHER PROFESSIONAL ACHIEVEMENTS

- Awarded 2013 Young & Deserving Scientist” by the Asian Pacific Weed Science Society (APWSS) at the 24th APWSS Conference held recently in Bandung, Indonesia.
- Won graduate student award by International Weed Science Society (IWSS) to attend and present paper at IWSS Congress held from June, 17-22, 2012 in Hangzhou, China.
- Awarded 2011 Peter Whiteman Bursary for research excellence in Tropical Agronomy.
- Won 2011 Weed Society of Queensland travel award to attend 23rd Asian Pacific Weed Science Society conference held at Cairns, Australia.
- Won 2011 Primary Industries Adaptation Research Network (PIARN) young student award to attend Climate Change adaptation workshop and CCRSPI conference held at MCG, Melbourne, Australia.
- Won 2010 Council for Australasian Weed Societies travel award to attend 17th Australasian Weeds Conference, Christ Church, New Zealand.
- Won Higher Education Commission travel award to attend 1st IOBC workshop on biological control and management of parthenium weed held at Nairobi, Kenya.
- Awarded Islamic Development Bank Merit Scholarship for PhD Studies in High Technology 2008-12.
- Awarded a Higher Education Commission travel grant to attend 15th Australian Weeds Conference held from 24th – 28th September 2006 at Adelaide Convention Centre SA, Australia.
- Awarded Higher Education Commission travel grant to attend ESA/SER joint meeting held from 5th – 10th August 2006 at San Jose McEnery Convention Centre, California, United States.
- Awarded a Higher Education Commission travel grant to attend world conference on ecological restoration: A Global Challenge held from 12-18 September 2005 Zaragoza, Spain.

KEY PUBLICATIONS

Journal Articles:

- Shrestha, B.B., Shabbir, A., Adkins, S.W. (2015). *Parthenium hysterophorus* in Nepal: a review of its weed status and possibilities for management. **Weed Research** (Oxford) 55: 132-144.
- Khan N, D George, A Shabbir, Z Hanif, S W Adkins (2015). Rising CO₂ can alter fodder–weed interactions and suppression of *Parthenium hysterophorus* **Weed Research** (Oxford) 55: 113-117.
- Osunkoya, O., Ali, S., Nguyen, T., Perrett, C., Shabbir, A., Navie, S., Belgeri, A., Dhileepan, K. Adkins, S. 2014. Soil seed bank dynamics in response to an extreme flood event in a riparian habitat. **Ecological Research** (Springer), 1-15.
- Adkins, S. Shabbir, A. 2014. Biology, ecology and management of the invasive parthenium weed (*Parthenium hysterophorus* L.). **Pest Management Science** (Wiley) 70 (7), 1023-1029.
- Brunel, S., Panetta, D., Fried, G., Kriticos, D., Prasad, R., Lansink, A. O., Shabbir, A. and Yaacoby, T. (2014) Preventing a new invasive alien plant from entering and spreading in the Euro-Mediterranean region: the case study of *Parthenium hysterophorus*. **EPPO Bulletin** (Wiley), 44: 479–489.
- Shabbir, A. (2014). *Parthenium* weed: an emerging major host for the cotton mealybug in Pakistan. **Indian Journal Weed Science** 46: 26-28.
- Shabbir, A., Dhileepan, K., Khan, N., Adkins, S.W. (2014). Weed-pathogen interactions and elevated CO₂: growth changes in favour of the biological control agent. **Weed Research** (Oxford) 54 (3), 217-222.
- Khan, N., Shabbir, A., George, D., Hassan, G. Adkins, S.W. (2014). Suppressive fodder plants as part of an integrated management program for *Parthenium hysterophorus* L. **Field Crops Research** (Elsevier) 156: 172-179.
- Shabbir, A. (2014). Chemical control of *Parthenium hysterophorus* L. **Pakistan Journal of Weed Science Research** 20 (1): 1-10.
- Shabbir, A. (2014). Soil seed bank studies on a riparian habitat invaded by *Parthenium hysterophorus* **Indian Journal Weed Science** 47: 38- 40.
- Shabbir, A. Dhileepan, K, O'Donnell, C., Adkins, SW. (2013). Complementing biological control with plant suppression: implications for improved management of parthenium weed (*Parthenium hysterophorus* L.). **Biological Control** (Elsevier) 64 (3) 270-275.

- Dhileepan, K., Taylor, D.B.J., McCarthy, J., King, A. Shabbir, A. (2013). Development of cat's claw creeper leaf-tying moth *Hypocosmia pyrochroma* (Lepidoptera: Pyralidae) at different temperatures: Implications for establishment as a biological control agent in Australia and South Africa. **Biological Control** (Elsevier) 67: 194-202.
- Shabbir, A. (2013). Parthenium invasion in Rawalpindi, Pakistan. **Indian Journal of Weed Science** 45(4): 263–266.
- Zalucki M. P., Shabbir A., Silva R., Adamson D., Liu S.-S. & Furlong M.J. (2012). Estimating the economic cost of one of the world's major insect pests, *Plutella xylostella*: just how long is a piece of string? **Journal of Economic Entomology** (BioOne) 105 (4) 1115-1129.
- Nasim G. and Shabbir A. 2012. Shifting herbivory pattern due to climate change: a case study of Himalayan balsam from Pakistan. **Pakistan Journal of Botany**, 44: 63-68.
- Shabbir, A., Dhileepan K and S W. Adkins (2011) Spread of parthenium weed and its biological control agent in the Punjab, Pakistan. **Pakistan Journal of Weed Science Research** 18: 581-588.
- Shabbir A and Javaid A. (2010). Phytosociological survey and allelopathic effects of parthenium weed in comparison to other weeds in Pakistan. **Indian Journal of Agricultural Research**, 44 (2): 119 – 124.
- Shabbir A. Hameed N., Ali, A., Bajwa R. (2009). Effect of different cultural conditions on micropropagation of rose (*Rosa indica* L.) **Pakistan Journal of Botany**. 41 (6) 2877-2882.
- Shabbir A. Hameed N., Ali, A., Bajwa R. (2009). Some studies on vertical profile of air borne mycoflora of Lahore. **Pakistan Journal of Botany**. 41 (4) 1975-1980.
- Shabbir A and Bajwa R. (2007). Parthenium invasion in Pakistan – a threat still unrecognized. **Pakistan Journal of Botany** Special issue 2007.
- Javaid, A. and Shabbir, A., (2006). First report of biological control of *Parthenium hysterophorus* by *Zygogramma bicolorata* in Pakistan. **Pakistan Journal of Phytopathology** 18, 199-200.
- Shabbir, A. and Bajwa R (2006). Distribution of Parthenium weed (*Parthenium hysterophorus*) I: an alien invasive weed species threatening the biodiversity of Islamabad. **Weed Biology & Management** (Wiley) 6 (2) pp 89-95.
- Nadeem M, Rani Z, Aman S Kazmi AM and Shabbir A (2005). Parthenium weed: a growing concern in Pakistan **Journal of Pakistan Association of Dermatologists** 15 (1) pp 4-8.

Peer Reviewed Conferences:

- Shabbir, A., Dhileepan, K and Adkins, S.W. Spread of parthenium weed and its biological control agent in the Punjab, Pakistan. Proceedings of **23rd Asian-Pacific Weed Science Society Conference** The Sebel Cairns, 26-29 September 2011.
- Shabbir, A., Dhileepan, K., O'Donnell, C., Khan, N. and Adkins, S.W. (2010). Management of parthenium weed: enhancing the effectiveness of biological control through competition from beneficial plants. In *Proceedings of the 17th Australasian Weeds Conference*, ed. S.M. Zydenbos, p.135-137. Christchurch, New Zealand. 26-30 September, 2010.
- Khan, N., O'Donnell, C., Shabbir, A. and Steve, W.A. (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*, ed. S.M. Zydenbos, p.131-134. Christchurch, New Zealand. 26-30 September, 2010.
- Adkins, S.W., O'Donnell, C., Khan, N., Nguyen, T. L., Shabbir, A. and Dhileepan, K. (2010). Parthenium weed research in Australia: New management possibilities. In *Proceedings of the 17th Australasian Weeds Conference*, ed. S.M. Zydenbos, p.120-123. Christchurch, New Zealand. 26-30 September, 2010.
- Shabbir A. and Adkins SW. (2008). Parthenium weed: management prospects in Pakistan. In: proceedings of **16th Australian weeds conference, Queensland, Australia**. Ed. by (R.D. van Klinken, V.A. Osten, F.D. Panetta and J.C. Scanlan) Queensland Weeds Society. pp 271

Other Publications:

- Shabbir, A. and Adkins S. W. (2014). 24th Asian Pacific Weed Science Society conference, Bandung Indonesia 2013. **Asian Pacific Weed Science Society Newsletter**. No. 4(1): 2-6.
- Shabbir, A., (2014). A report on international parthenium weed network meeting Parthenium weed October 23rd 2013 Bandung Indonesia. **International Parthenium News**. No. 9: 6-7.
- Shabbir, A., (2013). Addition to EPPO alert list and expert working group meeting to perform PRA on *Parthenium hysterophorus*. **International Parthenium News**. No. 8: 8-9.

- Shabbir, A., (2012). A report on international parthenium weed workshop, September 27 2011, Cairns Australia. **International Parthenium News**. No. 5: 11-13.
- Shabbir, A., (2012). A report on 2nd meeting of international parthenium weed network (iPaWN) June 19th 2012, Hangzhou, China. **International Parthenium News**. No. 6: 8-9.
- Shabbir, A., (2011). Parthenium weed on March: Bhutan, Yemen, Oman invaded. **International Parthenium News**. No. 4: 2-3.
- Shabbir, A., (2010). It's moving to south: the cotton industry at risk. **International Parthenium News**. No. 2: 5-6.
- Shabbir, A., (2010). Worldwide distribution of parthenium weed. **International Parthenium News**. No. 1: 1-2.

Project Reports:

Adkins, S.W., Shabbir A., Belgeri A., Ali, S. (2012). Suppressive plants as part of integrated management program for parthenium weed Parthenium weed. A final report submitted to Rural Industries Research Development Corporation (RIRDC). **The University of Queensland**, Brisbane Australia.

Datasheets:

*Shabbir, A., (2013) *Parthenium hysterophorus* (parthenium weed). Datasheet, **Invasive Species Compendium**. CAB International UK.

REFERENCES

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