

**SAIMA HASHIM (PhD)**  
**Chairperson**  
**Associate Professor**  
**Department of Weed Science**  
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### 1. Education:

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|---------------|---|
| 2011--- 2012  | <b>Post Doctorate-</b> Department of International Environmental Agriculture, Tokyo University of Agriculture and Technology (TUAT), Japan                      |
| 2006 --- 2010 | <b>PhD</b> Agriculture Sciences, Department of Life Sciences and Bioengineering, Graduate School of Life & Environmental Sciences, University of Tsukuba, Japan |
| 2000 --- 2002 | <b>MSc(Hons)</b> Weed Sciences, The University of Agriculture, Peshawar, Pakistan   |
| 1996 --- 2000 | <b>BSc(Hons)</b> Plant Breeding & Genetics, The University of Agriculture Peshawar, Pakistan  |

### 2. Awards and Honors:

- **2002 MSc<sub>(Hons)</sub> Two Gold Medals:** UAP, University Level & Faculty Level 2000-2002
- **2006 Japanese Government Merit Scholarship:** MEXT, for PhD 2006-2010
- **2010 Post Doctorate Fellowship:** FFTF, Schlumberger Foundation, 2010-11
- **2012 Meritorious Award:** TUAT, Tokyo, Japan
- **2015 Award of Research Project under NRP- HEC:** 3.368million (Completed)

### 3. Professional Experience (Administrative/ Teaching and Research Experience):

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| 29 /01/ 2019     | <b>Chairperson,</b><br>Department of Weed Science, University of Agriculture, Peshawar         |
| 2014 --- To date | <b>Associate Professor,</b><br>Department of Weed Science, University of Agriculture, Peshawar |
| 2010 --- 2014    | <b>Assistant Professor,</b><br>Department of Weed Science, University of Agriculture, Peshawar |
| 2003 --- 2010    | <b>Lecturer,</b><br>Department of Weed Science, University of Agriculture, Peshawar.           |

#### 4. Major Publications:

1. Perveen, S., Yousaf, M., Mushtaq, M. N, Sarwar, N., Khaliq, A., **Hashim, S.** 2019. Selective Bioherbicidal Potential of *Delonix regia* Allelopathic Leaf Extract on Germination and Seedling Growth of Field Bindweed and Wheat. **Applied Ecology and Environmental Research** 17(1):511-519
2. **Saima Hashim**, Asad Jan, Shah Fahad, Hafiz Haider Ali, Muhammad Naeem Mushtaq, Karim Bux Laghari, Khawar Jabran and Bhagirath Singh Chauhan. 2019. Weed management and herbicide resistant weeds: A case study from wheat growing areas of Pakistan. **Pakistan Journal of Botany** Vol. 51(4) (In press)
3. Muhammad Azim Khan , Riaz Ahmad Afridi , **Saima Hashim**, Abdul Mateen Khattak , Zubair Ahmad, Fazli Wahid , Bhagirath Singh Chauhan. (2016) Integrated effect of allelochemicals and herbicides on weed suppression and soil microbial activity in wheat (*Triticum aestivum* L.). **Crop Protection**. Vol. 90: 34-39
4. **Saima Hashim**, Asad Jan, Khan Bahadar Marwat and Muhammad Azim Khan. 2014. Phytochemistry and medicinal properties of *Ammi visnaga* (Apiaceae). **Pakistan Journal of Botany**, Vol. 46(3): 861-867
5. **Saima Hashim**, Tamana Bakht, Khan Bahadar Marwat and Asad Jan. 2014. Medicinal properties, phytochemistry and pharmacology of *Tribulus terrestris* L. (Zygophyllaceae) **Pakistan Journal of Botany**, 46(1): 399-404
6. **Saima Hashim**, Khan Bahadar Marwat, Muhammad Saeed, Muhammad Haroon, Muhammad Waqas and Shahfahad. 2013. Developing a sustainable and eco-friendly weed management system using organic and inorganic mulching techniques. **Pakistan Journal of Botany**, 45(2): 483-486
7. **Saima Hashim**, Asad Jan, Yukari Sunohara, Mayumi Hachinohe, Hideki Ohdan and Hiroshi Matsumoto. 2012. Mutation of Alpha-Tubulin Genes in Trifluralin Resistant Water Foxtail (*Alopecurus aequalis*). **Pest Management Science**; 68: 422–429
8. **Saima Hashim**, Khan Bahadar Marwat and Yoshiharu Fujii. Inhibition and extension of radicle and hypocotyle of lettuce by allelochemicals of major weeds found in Pakistan. **Proceedings of 6<sup>th</sup> World Congress on Allelopathy**. 15-19 December 2011 Guangzhou, China
9. **Hashim S.**, Hachinohe M, Matsumoto H. 2010. Cloning and Expression Analysis of Alpha-Tubulin Genes in Water Foxtail (*Alopecurus aequalis*). **Weed Science**; 58, 89-95
10. **Saima Hashim**, Mayumi Hachinohe, Hideki Ohdan and Hiroshi Matsumoto. alpha-Tubulin gene mutation in trifluralin resistant *Alopecurus aequalis*. PP. 65. **Proceedings of 34<sup>th</sup> Conference of Pesticide Science Society of Japan**. 17-19 March 2009 Tokyo, Japan
11. **S. Hashim and A. Khan** .Effect of Holy thistle Densities on Wheat at various Seed rates. **Proceedings of 17th Iranian of Plant Protection Congress**, September 2006 Tehran, Iran.
12. **S. Hashim**, K.B. Marwat, I.A. Khan and Z. Hussain. 2005. Efficacy of pre and post emergence herbicides for controlling weeds in chickpea in Pakistan. PP. 379-383. **Proceedings of 20<sup>th</sup> Asian Pacific Conference**. 7-11 Nov. 2005 HMC, Vietnam
13. **S. Hashim**, K.B. Marwat and M.A. Khan. 2005. Response of weeds over-time to different herbicides in potato. PP. 384-387. **Proceedings of 20<sup>th</sup> Asian Pacific Conference**. 7-11 Nov. 2005 HMC, Vietnam.
14. **S. Hashim**, K. B. Marwat and Gul Hassan. 2002. Response of Wheat Varieties to Substituted Urea Herbicides. **Pak J. Weed Sci. Res.** 8(1-2): 49-55,

15. **Saima Hashim**, Khan Bahadar Marwat and Gul Hassan. Response of Wheat Varieties to Substituted Urea Herbicides, Pak. Jour. Weed Sci. Res 1-2: 49-35, 2002
16. **Saima Hashim**, Khan Bahadar Marwat and Gul Hassan. Chemical Weed Control Efficiency in Potato (*Solanum tuberosum* L.) Under Agro-climatic Conditions of Peshawar, Pakistan. Pak. Jour. Weed Sci. Res. 9(1-2): 105-110

## 5. Book and Chapters

1. Tahir Hussain Awan, Mostafa Ahmadizadeh, Khawar Jabran, **Saima Hashim**, and Bhagirath Singh Chauhan. B.S. Chauhan et al. (eds.),(2017) Domestication and Development of Rice Cultivars.(Chapter 9). **Rice Production Worldwide**, Springer International Publishing AG (Pages 207-216) DOI 10.1007/978-3-319-47516-5\_9

## 6. Conferences/ Presentations

1. Participated in 7<sup>th</sup> International & 16 National Conference on Plant Resources: Current Trends, Challenges and Solutions. March 23-26, 2018, Islamia College Peshawar, **Pakistan**.
2. Participated as a *Lead Speaker* in 26<sup>th</sup> Asian Pacific Weed Science Society Conference ( APWSS 2017) held in Kyoto, 19-22 September, 2017, **Japan**
3. Attended and participated in 7<sup>th</sup> International Weed Science Congress 19<sup>th</sup> - 25<sup>th</sup> June 2016, Prague, **Czech Republic**
4. Attended and participated International Conference on Asian Monsoon and Climate Change, 20-21 January 2014, Islamabad, **Pakistan**
5. Attended Weed Science society of Japan Conference, 3-5 April 2012 Tsukuba, **Japan**

## 7. Trainings/ Workshops Attended:

1. Attended Workshop on “Integration of ICT in Agriculture and Applied Research”, held on 21<sup>st</sup> February 2019, The University of Agriculture Peshawar- Pakistan
2. Participated in National workshop on “Forest Landscape Restoration” by Pakistan Forest Institute, under Green Pakistan Programme, MoCC, Islamabad, 18-20 December, 2019.
3. Attended Schlumberger Foundation Faculty for the Future Fellows & Alumnae Regional Forum Bandung, **Indonesia** 27<sup>th</sup> -30<sup>th</sup> August, 2017

## 8. Membership of National and International Scientific Societies

- Agriculture University Teacher Association Executive Council Member (2015-16)
- Agriculture University Teacher Association Academic Council Member (2016-17-18-19-20)
- International Allelopathy Society
- Weed Science Society of Japan

## **9. Conferences, workshops and trainings Organized**

- Integration of ICT in Agriculture and Applied Research, held on 21<sup>st</sup> February 2019, The University of Agriculture Peshawar- Pakistan

## **10. Member Editorial Board:**

1. Crop Protection (*Elsevier*)
2. Sarhad Journal of Agriculture (27May 2016- 26 May 2019)
3. Pakistan Journal of Weed Science Research (2006-todate)

## **11. Other Administrative responsibilities/ experiences on elected positions:**

1. University Staff Proctor (2004 to date)
2. Editor English Section University Annual Magazine Khirman 2016
3. Executive Member Agriculture University Teacher Association
4. Twice Elected as Member Academic Council Agriculture University in Associate Professor (2016- to date)

## **12. Courses Taught:**

- Introduction to Herbicide Chemistry
- Weed Management in Lawns
- Invasive Weeds
- Introduction to Management of Herbicide Resistant Weeds