

Curriculum Vitae

MUHAMMAD ASAD

PERSONAL DETAIL

Date of Birth 14-10-1991
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OBJECTIVES

Place myself among the professionals of today's fast going era of new technologies. I am seeking a research group where I can learn and use my experience to achieve the research goals. I want to succeed in a motivating and challenging environment that will provide me advancement and opportunities.

EDUCATIONAL DETAILS

Degree	Subject	Institution	Year
M. Sc. (Hons) Agri.	Agronomy	PMAS Arid Agriculture University Rawalpindi, Pakistan	2016
B. Sc. (Hons) Agri.	Agronomy	University of Azad Jammu & Kashmir, Faculty of Agriculture, Rawalakot. Pakistan	2013

RESEARCH EXPERIENCE

- I conducted six months experiments in Pulses Programme at NARC, on nutritional and functional properties of Mung Bean (*Vigna Radiata*). I have worked in Department of Agronomy Faculty of Agriculture, Rawalakot for my research on allelopathic effects of *Parthenium hysterophorus* on weeds. I have been involved in Wheat Wide Crosses Program, NARC in wheat improvement experiments for two years. My duties were to planting the wheat germplasm for different experiments and to take notes on morphology, rust disease, heat and drought stress. I learned the experiment planning, execution, sampling data handling and data analysis regarding crop improvement. Recently, I have completed my master degree

in Agronomy from PMAS Arid Agriculture University Rawalpindi. I am fully capable to conduct experiments or investigations in field-crop problems develops new methods of growing crops to secure more efficient production, higher yield with improved quality. Main topics of my research works are given below.

- Assessment of adult plant resistance in wheat to stripe rust disease in field.
- Evaluation and characterization of wheat germplasm for biotic and abiotic stresses.
- Assessing the response of maize phenology against sowing dates in Maize varieties and hybrids.
- Effect of post-emergence herbicides to Control Broad-leaved Weeds in Wheat under Rainfed Conditions.
- Efficacy evaluation of some selective herbicides to control broad leaved weeds in wheat crop under moisture deficit conditions.
- Allelopathic effects of *Parthenium hysterophorus* L in weeds and crop production.
- Effect of different herbicides on yield and yield components of wheat (*Triticum aestivum* L.) under rain-fed conditions.
- Evaluation of lines for drought tolerance in wheat (*Triticum aestivum* L.)

SKILLS

Languages	Proficient communication and presentation skills with fluent English and Urdu.
IT	Use of computer for illustration, presentation, data analysis, sending reports, browsing for products, suppliers and data...etc (programs: Windows XP, Word, Excel, Power Point, Outlook Express, Internet Explorer ...etc.).
Others	Work well as part of team, Work well under pressure, Able to meet deadlines, Welcome new challenges and Can-do attitude.

PUBLICATIONS

- Asad. M., Zahid. M, Muhammad. R, Ramzan. A, Rahmatullah. Q and Tariq R (2017). Spectrum of activity of some selective herbicides for broad leaved weeds infestation in wheat under rainfed conditions. Paper presented at the 3rd International Conference on Agriculture, Food Security, and Biotechnology, Islamabad, Pakistan.
- Asad. M., Zahid. M, Qasir. M, Khurram. M and Tariq. R (2017). Preparation of natural vinegar production and its comparison with the synthetic one. Paper presented at the 3rd International Conference on Agriculture, Food Security, and Biotechnology, Islamabad, Pakistan.
- Asad. M, M. N. Iqbal, A. Ashraf, A. Arshad¹, U. Raza, M. Kashif, Z. Mahmood (2016). Effect of post-emergence herbicides to Control Broad-leaved Weeds in Wheat under Rainfed Conditions. PSM Biological Research, 1(1): 17-22.

- Mahmood. Z, A. A. Napar, J. I. Mirza, M. Asad, Z. Khan, K. Shazadi, T. Rafique, A. Rasool (2017). Pursuit of stripe rust resistance and association of yield contributing traits in elite bread wheat yield trial. International Journal of Biosciences 10(1): 135-141.
- Raza. M.U, Z. Mahmood, G. Qadir, M. Asad, M. A. Tariq, T. Rafique, W. Anum (2017). Considerable Effect of Sowing Dates and Cultivars on the Nutritional and Functional Properties of Mung Bean (*Vigna Radiata*). International Journal of Biosciences, 10(2): 29-36.
- Organic downsizing of weed risks in wheat fields by using aqueous extracts of invasive weed Parthenium (*Parthenium hysterophorus* L.) [Submitted in the Journal of Animal and Plant Sciences]
- Efficacy evaluation of some selective herbicides to control broad leaved weeds in wheat crop under moisture deficit conditions (Submitted for publication).
- M.Sc. Thesis: Chemical Control of Broad Leaved Weeds in Wheat under Moisture Deficit Conditions.
- B.Sc. Report: Allelopathic Effect of Aqueous Extracts Per and Post Emergence Application of Parthanium on other Weeds and Wheat under Rainfed Conditions.

REFERENCES:

1. Dr. Muhammad Rasheed

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2. Dr. Rahmatullah Qureshi

Associate Professor, Department of Botany, PMAS Arid Agriculture University Rawalpindi.

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3. Zahid Mahmood

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