

**Dr. Muhammad Aslam**  
Associate Professor  
Department of Plant Breeding and Genetics,  
University of Agriculture, Faisalabad, Pakistan  
Email: [aslampbg@gmail.com](mailto:aslampbg@gmail.com) [aslampbg@uaf.edu.pk](mailto:aslampbg@uaf.edu.pk)

[Research Gate Profile](#)

| Professional Profile   |  | Skills   |
|--|--|--|
| Associate Professor at the University of Agriculture Faisalabad, specializing in Plant Breeding and Genetics with over 20 years of experience. Expertise includes developing high-yield, climate-resilient, and biofortified maize varieties, including the introduction / development of Pro-Vitamin-A biofortified maize hybrids and the application of double haploid technology in Pakistan through collaboration with CIMMYT. Led numerous research projects funded by the Higher Education Commission (HEC), Pakistan, Pakistan Agriculture Research Council (PARC) and other national and international donors. Supervised 09 PhD and more than 100 MSc (Hons.) students, fostering academic and research excellence. Published over 80 peer-reviewed papers with research focusing on maize genetics and climate resilience and contributed to multiple books and chapters. Held key administrative positions, contributed to international conferences / colloquia and academic leadership. Approved PhD supervisor by HEC, dedicated to advancing crop genetics and promoting sustainable agriculture through innovative research and collaboration. |  | Project Management<br>★ ★ ★ ★ ★<br>Biofortification Techniques<br>★ ★ ★ ★ ★<br>Agriculture Biotechnology<br>★ ★ ★ ★ ★<br>Plant Breeding and Genetics<br>★ ★ ★ ★ ★<br>Double Haploid Technique<br>★ ★ ★ ★ ★<br>Data analysis<br>★ ★ ★ ★ ★ |
| Education  |  |  |
| <a href="#">Link to Education</a>  |  |  |
| Employment   |  |  |
| <a href="#">Link to Employment</a>   |  |  |
| Publications   |  | Languages  |
| <ul style="list-style-type: none"> <li>Over 80 peer-reviewed research articles published in national and international journals.<br/><a href="#">Research Articles</a></li> <li>Authored and co-authored 4 books on plant genetics and crop improvement.</li> <li>Contributed to 3 book chapters in edited volumes.<br/><a href="#">Book/ Book Chapters</a></li> </ul>   |  | English (Professional)<br>★ ★ ★ ★ ★<br>Urdu (Native)<br>★ ★ ★ ★ ★<br>Punjabi (Native)<br>★ ★ ★ ★ ★   |
| Projects   |  |  |
| <ul style="list-style-type: none"> <li>Completed 03 projects as Principal Investigator</li> <li>Completed 02 projects as Co-Principal Investigator</li> <li>Completed 01 projects as member research team</li> </ul> <a href="#">Project Details</a>   |  |  |
| Research Achievements  |  |  |
| <ul style="list-style-type: none"> <li>Introduced Pro-Vitamin-A bio-fortified maize hybrid (PB-ProA-2017) in Pakistan in collaboration with CIMMYT.</li> </ul>   |  |  |

- Introduction of In-vivo double haploid technology in Pakistan by using “2<sup>nd</sup> generation tropically adapted maize haploid inducers” in collaboration with CIMMYT.
- Developed sweet corn line (PB-SWEET-9151), which is in the final year of Distinctness, Uniformity and Stability (DUS) testing.
- Developed popcorn line (PB-POP-1302), which is in the final year of Distinctness, Uniformity and Stability (DUS) testing.
- Developed high temperature tolerant resilient yellow maize hybrid
- Developed zinc bio-fortified maize germplasm.

## Trainings

Joined as a trainee in more than fifteen national and international trainings.

[Training Details](#)

## Student Supervision

- As Chairman supervisory committee supervised 09 PhD students who have completed their degrees and supervising 02 PhD students who are at different stages of their PhD degrees.
- As Chairman supervisory committee supervised 97 students who have completed their MSc (Hons) Agriculture, PBG, and supervising 11 MSc (Hons.) Agriculture, PBG students, who are at different stages of their degrees.
- As a member supervisory committee supervising four PhD students who have completed their degree and supervising four students who are at different stages of their degrees.
- As a member supervisory committee supervising 12 MSc students and 20 MSc (Hons) students who have completed their degrees and supervising five MSc (Hons) students who are at different stages of their degrees.

[Student Supervision Details](#)

## Conferences and Workshops

- Organized different conferences, workshops and colloquia as Secretary and Member organizing team.

[Conferences and Workshops details](#)

## Collaborations

[Collaboration Details](#)

## Research Activity

- Being Lead of Research Group (maize, fodder and Pulses) in the department of Plant Breeding Genetics, University of Agriculture, Faisalabad, Pakistan focuses and contribute in all the activities of students and faculty members (members research group) in the field and laboratory.

[Research Activity Details](#)

## Administrative Duty

- Contributed in different departments of the University of Agriculture, Faisalabad during possession of additional charge.

[Administrative Activity Details](#)

Dr. Muhammad Aslam