**CURRICULUM VITAE**

|  |  |
| --- | --- |
| **Name** | **Sammina Mahmood (PhD Crop Molecular Biology, Genetics and Breeding)** |
| **Personal Information** | **CONTACT INFORMATION**    Mobile: +923341427164    E−Mail: [sammina345@yahoo.com](mailto:sammina345@yahoo.com)    **PERSONAL INFORMATION:**  Father’s Name: Mahmood Ahmad  Nationality: Pakistani  Domicile: Faisalabad (Punjab)  C.N.I.C # 33100-4882763-4  Date of Birth: 02-05-1986  Gender: Female  Marital Status: Married  Religion : Islam  Permanent Address: P-376 khayaban garden Sargodha road,  Tehsil and District Faisalabad. |
| **Academic Background** | |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | |  | **Degree** | **University/ Board** | **Year Degree Obtained** | **CGPA/Marks** | **Division** | | 1 | PhD Crop genetics and molecular breeding | HZAU-China | 2016 |  | 1st | | 2 | M. Sc (Hons.) Agri (Plant Breeding and Genetics) | University of Agriculture,  Faisalabad, Pak | 2011 | 3.92/4.00 | 1st | | 3 | B. Sc (Hons.) Agri (Plant Breeding and Genetics) | University of Agriculture,  Faisalabad, Pak | 2009 | 3.86/4.00 | 1ST | | 4 | F. Sc (Pre-Medical) | B.I.S.E Faisalabad, Pak | 2005 | 805/1100 | 1st | | 5 | Matric | B.I.S.E  Faisalabad, Pak | 2003 | 744/850 | 1st | |
| **Professional Experience** | |  |  |  |  | | --- | --- | --- | --- | | **Date From** | **To** | **Position** | **Institution** | | 25-08-2011 | 28-08-2012 | Agricultural Research Officer | Ayub Agricultural Research institute, Faisalabad, Pakistan | | 01-01-2009 | 31-06-2009 | Internee | Ayub Agricultural Research institute, Faisalabad, Pakistan | | 26-09-2016 | To date | Assistant Professor (IPFP) | Government College Women University, Faisalabad | |
| **Honors and Awards** | |  |  |  | | --- | --- | --- | | **Award** | **University/ Board** | **Year** | | China Government Scholarship | China Scholarship Council (CSC) | 2012-2016 | | UAF Merit Scholarship | University of Agriculture,  Faisalabad, Pak | 2005-2006 | | UAF Merit Scholarship | University of Agriculture,  Faisalabad, Pak | 2006-2007 | | UAF Merit Scholarship | University of Agriculture,  Faisalabad, Pak | 2007-2008 | | UAF Merit Scholarship | University of Agriculture,  Faisalabad, Pak | 2008-2009 | | UAF Merit Scholarship | University of Agriculture,  Faisalabad, Pak | 2009-2010 | |
| **Academic Distinction** | * Silver medal awarded in year 2011 for holding 1st first position in M. Sc (Hons.) Crop genetics and breeding by University of Agriculture, Faisalabad, Pak * Winner of China Government Scholarship awarded by China Scholarship Council (CSC) for PhD study from 2012-2016 |
| **Research Projects Completed** | * Genome-wide Characterization of Insertion/Deletion Variations and Marker Development in Oilseed Rape (*Brassica napus* L.) by Valorizing Re-sequencing Genome Data * Gene Pyramiding for Herbicide resistance in Oilseed Rape (*Brassica napus* L.) * Comparative analysis of efficacy of SNP (Singly Nucleotide Polymorphism) and SSR (Simple Sequence Repeat) markers in genome mapping of Oilseed Rape (*Brassica napus* L.). * Development of selection criteria for water stress tolerant fodder oat accessions on the basis of physiological indices at seedling stage. |
| **Expertise and Research Interest** | * Genome Re-sequencing * Molecular marker development * Gene cloning * Genetic transformation of crop plants * My research interest is to identify genetic markers linked to genes that have functional importance in crop improvement. |
| **Publications/**  **Research Experience** | * Sammina Mahmood, Zhaohong Li, Xiaopeng Yue, Bo Wang, Jun Chen, Kede Liu. (2016). Development of INDEL markers in oilseed rape (Brassica napus L.) using re-sequencing data. Molecular Breeding. 36:79 DOI 10.1007/s11032-016-0501-z |
| **Publication under review/Pipeline** | * Sammina Mahmood, Zhaohong Li, Xiaopeng Yue, Bo Wang, Jun Chen, Kede Liu. Characterization of INDEL polymorphism among exotic and domestic oilseed rape (Brassica napus L.). DNA Research **(Under Review)** * Sammina Mahmood, Hatao Li, Xiaopeng Yue, Bo Wang, Kede Liu. Gene Pyramiding for Herbicide resistance in Oilseed Rape (*Brassica napus* L.). Scientific Report **(Under Review)** * Sammina Mahmood, Hatao Li, Xiaopeng Yue, Bo Wang, Kede Liu. Advancement in molecular biology techniques with reference to crop improvement. Molecular Breeding **(Under Review)** |
| **Projects Submitted** | * Influence of multiple nutrient deficiencies on disease and drought tolerance in multiple plant species: physiological, biochemical and molecular mechanisms **(HEC)** * Dissecting interplay of interactive tolerances mechanisms and enrichment of Rapeseed against biotic and abiotic stresses **(PARC)** |
| **Conferences/ Seminars Attended** | * 19th Crucifer Genetics Workshop “Genetic Improvement of Brassicaceae Crops in the Era of Genomics”, Wuhan, Hubei province, China sponsored by Chinese Academy of Engineering, undertaken by Huazhong Agricultural University and the agriculture department Chinese Academy of Engineering, and in collaboration with the Oil crops research institute, Chinese academy of agricultural sciences and Vegetable research institute, Wuhan Academy of Agricultural Science and Technology. * Green Globe: International Conference on Emerging Trends In Environmental Engineering and Pollution Control 2015 |