

Dr. Zulqurnain Khan is currently working as Assistant Professor in the Institute of Plant Breeding and Biotechnology (IPBB), Muhammad Nawaz Sharif University of Agriculture, Multan (MNSUAM), Pakistan. Dr. Khan earned his PhD in Biotechnology from University of Agriculture, Faisalabad (UAF), Pakistan during 2017. He has been working in the field of genome editing since 2012. His research focuses on using genome editing tools (TALEs, TALENs, Cas9, dCas9 and multiplexed CRISPR/Cas9) for resistance against begomoviruses using model plants such as *Arabidopsis* and *Nicotiana benthamiana*. He has been transforming cotton for CLCuD resistance using genome editing tools. He is also using CRISPR/Cas9 technology for genetic improvement in cotton for abiotic and biotic stress resistance. Dr Khan has collaboration with many Chinese and American scientists on cotton research. Recently, he has also won a project (as team member) under PSF-NSFC to work on cotton crop modelling and improvement under climate change scenario. Dr Khan is In-charge Cotton Biotechnology Lab and DNA Analysis Facility at MNSUAM. He is using Ion Torrent S5 platform for NGS of cotton genotypes/species. He is editor of 3 books including latest book on “Cotton Breeding and Biotechnology: Challenges and Opportunities (submitted CRC Press). Dr Khan has published 12 book chapters and more than 10 research/review articles in international peer reviewed journals. Dr Khan received IRSIP fellowship from Higher Education Commission (HEC), Pakistan during his PhD and worked as visiting researcher under supervision of Professor Caixia Gao at the Institute of Genetics and Developmental Biology (IGDB), Chinese Academy of Sciences (CAS), Beijing, China. Dr Khan has been engaged in teaching various courses in the field of biotechnology, breeding, molecular biology, genetics and genome editing since 2018.