

Hu Yan, Associate Professor, Zhejiang University.

Hu Yan, female, was born in December 1978, Baoying county, Jiangsu province. She received her B.S. and M.S. at Nanjing Normal University, and Ph.D. in Biotechnology at Nanjing Agricultural University in 2008. Dr. Hu worked in Nanjing Agricultural University after receiving PhD degree. In 2017, she moved to Zhejiang University. Up to now, she has been working in plant genome for more than 15 years. Her current research focus is on cotton genomics, evolution, gene cloning and function of target traits. She participated in the assembly of tetraploid *G.hirsutum* genome as a lead participant. This work was published as a cover paper in Nature Biotechnology. This paper has been cited more than 700 times, as Web of Science highly cited paper. In 2019, she participated in the improvement project of the *G.hirsutum* genome and *de novo* assembly of *G.barbadense* genome sequence. Through comparative analysis, a large number of structure variations, leading to more than 10000 genes exist between *G.hirsutum* and *G.barbadense*, which help to elucidate the molecular mechanism of different traits between them. The related work was published in Nature Genetics. In addition, through GWAS analysis, she identified hundreds of loci related to fiber yield and quality. Dr. Hu has published 20 papers, many of which are in the top journals of plant genome, including Nature Biotechnology, Nature Genetics, Nature Communications, JXB and so on.