



Novel Technologies in Plant Breeding

Plants support human life providing their food while being an important link in the chain things to do to preserve the environment. Though, the rapid growth of population in the coming decades will create the need to produce more food in an environment where agricultural land is shrinking, and the climate is changing. The use of molecular markers, mutagenesis or ploidy modification are classic tools of plant breeding. In addition, the improvement through Biotechnology and Genetic Engineering as well as the utilization of OMIC technologies, gives the possibility to find solutions to the looming food insecurity. With the adoption of new technologies, improved crops with modified or new characteristics can be produced with improved techno-economic terms