

Bio/description

Experiences:

I have expertise in Molecular Biology; siRNA gene silencing, Gene transformation, Mammalian cell culture. Plant Virology; Viral replication, Molecular basis of plant virus resistance, Virus free potato seed tuber and cole crop's synthetic seed production.

Research experiences:

I received intensive research on Molecular Biology and performed the followings- RNA, DNA and Protein extraction, PCR, RT-PCR, Real-Time PCR, Molecular cloning, DNA and Protein sequencing, Phylogenetics analysis, Mammalian cell culture, siRNA and shRNA designing and optimization of transfection conditions into mammalian cell for gene silencing study, Gene transformation, RNA and DNA microarray. Plant Virology- Viral replication, Molecular basis of plant virus resistance, Virus free potato seed tuber and cole crops synthetic seed production.

Experience as research supervisor: I have supervisorship for MS & Ph.D. students. Already five students are awarded their MS degree in Plant Pathology under my direct supervision. Ten MS/Ph.D. students are doing their research under my direct supervision.