

Current research programmes

With the limited human resources and infrastructure available at present, the University has undertaken the following research programmes during 2018-19:

Agricultural sciences

- Genotype x environment interaction and stability analysis in rapeseed and mustard (*Amit Tomar*)
- Integrated weed management in mustard (*Pratik Sanodiya*)
- Yield maximization of mustard with N, P and S fertilization (*Amit A. Shahane*)
- Variability in oil content of seeds of mustard varieties (*S.K. Shukla*)
- Screening of drought-tolerant wheat genotypes (*Ashutosh Srivastava*)
- Antagonistic activity of indigenous strains of *Trichoderma* and botanical extracts against fungal plant pathogens (*Anita Puyam*)
- Eco-friendly management of insect-pests of mustard (*S. Panwar*)
- Studies on population dynamics and species variation in fruit flies (*S. Panwar*)
- Isolation and characterization of heat resistant and phosphate solubilizing *Rhizobium* spp. and its impact on lentil (*Sadhana Singh Sagar*)
- Effect of iron nanoparticles supplementation on yield and nutritive profile of oyster and button mushrooms (*Vaibhav Singh*)
- Screening of mustard germplasm against major diseases (*Vaibhav Singh*)
- Integrated nutrient management in mustard (*Susheel Kumar Singh*)
- Economics of mustard cultivation in Jhansi district (*Prince Kumar*)
- Assessment of knowledge level of mustard growers in Jhansi district (*Ashutosh Sharma*)
- Estimation of carbon sequestration potential of existing system in Jhansi (*Amit Kumar Jain*)

Horticultural sciences

- Effect of different dates of planting on growth and flowering of marigold cultivars (*Priyanka Sharma*)
- Correlation studies of quantitative characters in radish (*M.K. Singh*)
- Enhancement of quality and storage life of aonla products (*Amit K. Singh*)
- Effect of different concentrations of GA3 on seed production and seedling growth of acid lime (*Ranjit Pal*)
- Effect of different mulch materials on growth, yield and economics of broccoli (*Shailaja Punetha*)
- Extraction of natural colour from beetroot and its utilization in value-added products (*Ghan Shyam Abrol*)

Forestry

- Standardization of growing media for quality seedling production of multi-purpose species (*Pankaj Lavania*)
- Effect of pre-sowing treatments and growing media on seedling growth attributes of MPTs (*Prabhat Tiwari*)