

Dr. Ashu Chandel

Professor



Specialization: Sampling, Designs and Modelling

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Ongoing Research Projects

- Enhancing farm income through resilient Subhash Palekar Natural Farming System in Horticultural ecosystem funded by Department of Agriculture, HP for Rs. 190.60 lakh from 2018 and still in progress (Co-PI).
- Quality Education in Horticulture and Forestry to Generate Human Resource with Entrepreneurial Skills funded by NAHEP-ICAR for Rs. 30 Crores from 2020 still in progress (Activity incharge).

Important Research Publications

- Kumar R, Chandel A, Shankar SV, Chandel RS, Gupta RK, Thakur NS, Verma SC, Sharma S, Sharma A, Thakur V, Yadav AK, Chauhan VR and Jaswal R. 2023. Outcomes of natural farming in Shimla district of Himachal Pradesh: A case study. *Scientist* **4**(4):316-331 (X89X367X)
- Devi S, Gupta, RK Gupta, YC; Chandel A, Bharati, Bansal S and Rattan A. 2022. Assessment of relative contribution of growth and flowering characteristics of gladiolus hybrid using principal component analysis. *Scientist* **1** (3):281-287.
- Laishram C, Vashishat RK, Sharma S, Rajkumari B, Mishra N, Barwal P, Vaidya MK, Sharma R, Chandel RS, Chandel A, Gupta RK and Neha. 2022. Impact of Natural Farming Cropping System on Rural Households-Evidence from Solan District of Himachal Pradesh, India. *Frontiers in Sustainable food systems* **6**(878015).
- Bharath JPV, Chandel A, Gupta RK, Chandel RS, Thakur S, Dejen A and Pawan 2020. Garden Pea (*Pisum sativum*) production: Forecasting model for Himachal Pradesh province in India. *International Journal of Creative Research Thoughts* **8**(10): 948-956.
- Chandel A, Mahajan PK and Gupta RK 2017. Optimum stratification for scrambled response in sampling with varying probabilities. *International Journal of Agricultural and Statistical Sciences* **13**(1): 279-283.
- Chandel A, Mahajan PK and Bharti 2016. Minimum Variance Stratification using Scrambled Randomized Response. *International Journal of Agricultural and Statistical Sciences* **12**(1): 53-58.
- Chandel A and Mahajan PK. 2015. Variance Expression for eliminating evasive answer bias in Optimum Stratification. *International Journal of Statistika and Matematika* **13**(3): 91-95.
- Sharma SD, Sharma NC, Sharma CL, Kumar P and Chandel A. 2012. Glomus-Azotobacter symbiosis in apple under reduced inorganic nutrient fertilization for sustainable and economic orcharding enterprise. *Scientia Horticulturae* **146**: 175-181.
- Sharma PL and Chandel A 2011. Seasonal impudence, dispersion and management of serpentine leaf miner, *liriomyza Trifolli* (Burgess) on tomato under subtemperate conditions. *Journal of Insect Science* **24** (3):291-294.
- Sharma D, Bhardwaj SK, Chauhan PS and Chandel A 2010. Regression analysis of apple yield on the basis of some morphological and nutritional parameters. *Indian Journal of Horticulture* **67**:75-78.

Books/Manuals

- A Teaching Manual on Elementary Statistics and Computer Applications for course BSS-311(2+1), 2016- (Co-author), p136.
- Teaching Manual on General Statistical Methods and Research Methodology STAT-511(2+1) 2017-(Co-author), p187.
- A Handbook on Experimental Designs STAT-512 (2+1), 2018 (Co-author), p 160.
- A Practical Manual on Statistical Methods, 2023(Co-author), p 238.

Awards and Recognitions

- SP Dhall 'All India Distinguished Publication Award in Statistics -2017, awarded by Society for Advancement of Human and Nature (SADHNA), YS Parmar University of Horticulture & Forestry, Nauni, Solan (HP).