

## Dr Rakesh Kumar Gupta

Professor



Specialization: Design of Experiment, Sampling

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### Important Research Publications

- Laishram C, Vashishat RK, Sharma S, Rajkumari B, Mishra N, Barwal P, Vaidya MK, Sharma R, Chandel RS, Chandel A, Gupta RK and Sharma N. 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. doi: 10.3389/fsufs.2022.878015.
- Kumar V, Joshi VK, Thakur NS, Kumar S, Gupta RK, Sharma N, and Sharma A. 2022. Bioprocess Optimization for production of apple tea wine: influence of different variables on the quality attributes. *Journal of Food Measurement and Characterization* **16**: 1528-1539.
- Hamid, Thakur NS, Sharma R, Sharma YP, Gupta RK, Rana N and Thakur A. 2022. Phenolics from underutilized Wild pomegranate fruit flavedo: extraction, quantification, hierarchical clustering, antibacterial properties, HPLC, SEM analysis and FT-IR Characterisation. *South African Journal of Botany* **145**: 85-94.
- Kumar V, Joshi VK, Thakur NS, Sharma N and Gupta RK. 2020. Effect of Artificial Ageing using Different Wood Chipson Physico-chemical, Sensory and Antimicrobial Properties of Apple Tea Wine. *Brazilian Archives of Biology and Technology* **63**: ISSN 1678-4324.
- Singh NB, Sharma JP, Chaudhary P and Gupta RK. 2014. Genotype X Environment Interaction and Growth Stability of Exotic Tree Willow (*Salix Spp*) clones. *Indian Journal of Genetics and Plant Breeding* **74**(2): 222-228.
- Thakur NS, Sharma S and Gupta RK. 2014. Studies on drying and storage of chilgoza (*Pinus gerardiana*) nuts. *Journal of food Science and Technology* **51**: 2092-98.
- Gupta YC, Gupta RK, Moona and Dhiman SR. 2012. Stability analysis of different biostimulants applications to flowering characters of rose (*Rosa hybrid*) cultivar first Red. *The Indian Journal of Agricultural Sciences* **82**:106-111.
- Gupta RK 2008. Optimum stratification for stratified random sampling. *International Journal of Agricultural Sciences and Statistics* **4**:411-420.
- Gupta RK, Singh MS, Singh U. and Gurung BS. 2000. Feed efficiency and carcass characteristics of aseel chicken. *Indian Journal of Animal Sciences* **70**:1170-71.
- Gupta RK, Pathania MS and Gupta T. 1997. A study on fuel consumption pattern in Himachal Pradesh - A case study. *Range Management and Agroforestry* **18**:181-188.

### Books and manuals

- Gupta R K, Mahajan P K and Chandel A. 2016. A Practical Manual on Elementary Statistics and Computer Applications. Published by Directorate of Extension Education, UHF, Nauri, Solan: p136.
- Gupta R K, Mahajan P K, Chandel A and Bharti. 2017. A Practical Manual on General Statistics Methods and Research Methodology. Published by Directorate of Extension Education, UHF, Nauri, Solan: p 187.
- Gupta R K, Mahajan P K, Chandel A and Bharti. 2018. A Handbook on Experimental Designs. Published by Directorate of Extension Education, UHF, Nauri, Solan: p160.
- Gupta RK Chande; A and Mishra N. 2023. A Practical Manual on Statistical Methods. p 240.

- Joshi VK, Rakesh Sharma and Gupta RK. 2015. Sensory Evaluation of food A practical manual. p 109.
- Sharma RK. Singh NB. Gupta RK. and Thakur S. 2014. Manual on Quantitative Genetics. p 207.

### **Awards & Recognitions**

- Merit Certificate for Winter School on “Design and Analysis of Experiments” wef 14.01.09 to 3.2.09 by securing second position in the examination conducted at the end of winter school awarded by Indian Agricultural Statistics Research Institute, New Delhi in 2009.
- Consolation –II prize for poster presentation in the Symposium organized by Indian Society of Pest Management and Economic Zoology, held at UHF Nauni wef 19-21 November, 2010 awarded by Indian Society of Pest Management and Economic Zoology in 2010.
- Brandis Prize for the year 2012 for the best research paper entitled “Heritability, genetic gain, correlation and principal component analysis in introduced willow (*Salix* species) clones” awarded by Indian Forester in 2012.
- SP Dhall distinguished publication award in Statistics in year 2013 for MSc thesis work to Ms Geeta Verma awarded by SADHNA, Nauni in 2013.
- SP Dhall distinguished publication award in Statistics in year 2014 for MSc thesis work to Ms Bharti (MSc: Major Advisor) awarded by SADHNA, Nauni in 2014.