

## Dr. Sanjeev Kumar

### Assistant Professor

Specialization: Botany, Plant Physiology

Contact: +911792-252282 (O)

Cell: 7876155199

E. mail: koundelsanjeev@gmail.com: sanjeevphy@uhf.ac.in



### Ongoing Research Projects

- Cultivation of Cannabis in Himachal Pradesh, Government of Himachal Pradesh, 2025-2026 (Co-PI).
- Scientific Exploration of Natural Faming System in Apple Cultivation through Bio-Prospective Insights, Department of Agriculture, Himachal Pradesh, 2025-2027 (Co-PI)

### Patent

**Sanjeev Kumar (2026)**, Biosensor for Plant Hormone Detection and Monitoring. *Indian Design Registration*, Design No. 439216-001, Class 10-05, Serial No. 224088, Date: 02/12/2024. Registered under the Designs Act, 2000, Government of India.

### Important Research Publications

- Garima, Kumar S, Nehta R, Verma P, Kurbah I, Gupta V, Jeelani SM, Chauhan N (2026): Characterizing biochemical traits and hormonal profiling linked to stress resilience in apple cultivars from the mid-hills of Himachal Pradesh, India. *Applied Fruit Science*, 68: 119.
- Rani S., Kumar S., Lone A. H., Shahnawaz M., & Jeelani S. M. (2026): Chromosome Number Diversity and Distribution of Polyploids in the Genus *Hypericum* L. *Cytology and Genetics*, 60(1): 112–120.
- Ananthkrishnan, S., Sharma, J. C., Sharma, N., Kumar, S., Vishnu Shankar, S., Ranjha, R., Lalkhumliana, F., Sharma, K., & Aravinthkumar, A. (2025). Mulching and irrigation strategies for climate resilient apple cultivation in high-density orchards. *Scientific Reports*, 15, 17125.
- Kumar S, Kumari S, Gupta RC and Sharma VK. 2017. Cytogenetic Studies of Genus *Clematis* L. (Ranunculaceae) from the Western Himalayas, India. *Cytologia* 82(4): 355-361.
- Kumar S, Kumari S and Gupta RC. 2015. Impaired male meiosis and Multiple associations in *Chaerophyllum* L. from the Western Himalayas, India". *Cytologia* 80(3): 311-316.
- Kumar S, Kumari S and Gupta RC. 2014. Cytogenetic study on five species of genus *Anemone* L. (Ranunculaceae) from the Western Himalayas, *Cytologia* 79 (3):1-8.

- Kumar S, Jeelani SM, Rani S, Kumari S and Gupta RC. 2014. Cytological evaluation of Apiaceae Lindl. from Western Himalayas. *Cytology and Genetics* 48: 250–257.
- Kumar S, Jeelani SM, Rani S, Gupta RC and Kumari S. 2013. Cytology of five species of subfamily Papaveroideae from the Western Himalayas. *Protoplasma* 250: 307–316.
- Kumar S, Gupta RC and Kumari S. 2012. IOPB/IAPTData. *Taxon* 61(6):16-18.
- Kumar S, Jeelani SM, Rani S, Kumari S and Gupta RC. 2011. Exploration of Intraspecific Cytomorphological Diversity in *Agrimonia eupatoria* L. (Rosaceae) from Western Himalayas (India). *Cytologia* 76(1): 81-88.

### **Books:**

- Kumar, S., Kumar, N., Banyal, H.S. and Thakur, Neha. 2024. Plant Cytogenetics: Basic Aspect. Variety Books Publishers Distributors. ISBN: 978-81-966997-5-8.
- Sharma K, Meena FS, Sharma SD and Kumar S. 2016. *Aushdeye Paudhe: Upyog avam shasaye kriyanin* in Hindi (Directorate, Extension Education, Dr. Y.S. Parmar University of Horticulture and Forestry, Nauni, Solan) p52.

### **Practical Manual**

- Dogra, R.K., Kumar, S. and Rahi, L. 2024. Practical Manual on Plant Breeding and Genetics. Gyanavi Publisher and Distributors, New Delhi. 110080. ISBN: 978-81-960111-7-8. Pp:1-137.

### **Awards & Recognitions**

- Best Life Science Scientist Award, BioThink – National Academy of Bio Sciences, Dehradun, Uttarakhand, India, during 8th Plant Science Researchers Meet (PSRM-2026), held at Tula’s Institute, Dehradun, 17–18 April 2026.