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Ongoing research projects

- Development of cost effective micropropagation techniques in commercial citrus rootstock Rangpur lime (*Citrus limonia Osbeck*) funded by Rashtriya Krishi Vikas Yojana - Remunerative Approaches for Agriculture and Allied Sectors Rejuvenation, Shimla (HP) for ₹55.00 lakh from 2022 to 2023 (Principal Investigator).
- High value Himalayan medicinal herb's micro propagation for socio-economic upliftment of farmers funded by Department of Environment Science and Technology, Shimla (HP) for ₹7.75 lakh from 2020 to 2023 (Principal Investigator).

Important Research Publications

- Sharma S, Sharma S and Sharma V. 2021. Evaluation of anti-oxidant activity of mother and *in vitro* raised plants of *Valeriana jatamansi* Jones. *Biological Forum- An International Journal* **13**(3): 357-360.
- Sharma S, Devi B and Sharma V. 2021. Estimation of phytochemicals from mother plants and *in vitro* raised plants of *Gloriosa superba* L. *International Journal of Economic Plants* **8** (3):127-130.
- Sharma S, Sharma V and Devi B. 2021. Assessment of some factors for shoot proliferation potential in tuber explants of *Gloriosa superba*- a high value industrial medicinal herb. *Applied Biological Research* **23**(3): 255-260.
- Sharma S, Sharma R, Sharma P, Thakur K and Dutt B. 2018. Direct shoot organogenesis from seedling derived shoot tip explants of endangered medicinal plant *Saussurea costus* (Falc.) Lipsch. Proc. Natl. Acad. Sci., India, Sect. B Biol. Sci.
- Sharma S, Sharma C and Srivastava DK. 2012. Plant regeneration, genetic transformation and gene expression in *In vitro* tissues of cauliflower (*Brassica oleracea* L. var. *Botrytis*). *Bioinfolet* **9**(4):760-764.
- Venkatasalam EP, Singh S and Sharma S. 2012. Effect of organic manures on yield and yield attributing characters of potato. *Potato Journal* **39**(1): 84-87.
- Venkatasalam EP, Latawa J, Sharma S, Sharma S, Sharma AK, Sharma S, Patial S and Singh S. 2011. *In vitro* and *in vivo* performance of potato cultivars for different seed production systems. *Potato Journal* **38**(2): 149-154.
- Kumar S and Sharma S. 2005. Somatic embryogenesis and cryopreservation of walnut (*Juglans regia* L.) and Pecan (*Carya illinoensis* Koch). *Acta Horticulture* **696**: 143-147.

Books and manuals (with ISBN Numbers)

- Sharma V, Sharma S and Sharma K. 2021. Purification of superoxide dismutase from bacterial isolate. Lambert Academic Publishing, London (UK), ISBN: 978- 620-3-83969-2.p 68.

Awards & Recognitions

- 'Best oral presentation award' in 'National conference on India's challenge-contemporary farming to smart farming' held at Chandigarh University, Mohali Punjab on April 8-9, 2021.