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Ongoing Research Projects

- All India Coordinated Research Project on PHET funded by ICAR, New Delhi (Principal Investigator).
- Production of different value added products, bakery products and apricot kernel oil funded by HP State Scheme (Principal Investigator).
- Assessment of harvest and post-harvest losses of major crops and commodities in India funded by MOFPI (Principal Investigator).
- Creation of Infrastructure to run Diploma Course in Fruit and vegetable processing and Bakery products funded by Govt of India, Department of Industries (Principal Investigator).
- SCSP scheme of ICAR for conducting trainings and establishment of agro-processing centres for Schedule cast peoples of the state funded by ICAR, New Delhi (Principal Investigator).

Important Research Publications

- Suthara P, Kumar S, Kumar V, Vaidya D, Sharma A and Sharma A. 2022. *Murrayakoenigii* (L.) Spreng: Speculative ethnobotanical perspectives of ubiquitous herb with versatile nutra/functional properties. *South African Journal of Botany* **145**:111-13.
- Kaushal M, Sharma R, Vaidya D, Gupta A, Saini HK, Thakur C, Verma A, Thakur M, Priyanka, Dileep KC. 2022. Maize: an underexploited golden cereal crop. *Cereal Research Communications* <https://doi.org/10.1007/s42976-022-00280-3>.
- Anand A, Kaushal M, Vaidya D, Gupta A, Saini HK, Thakur C, Sharma R, Gautam A, Dileep KC, Rashmi, Sharma A and Basnett S. 2022. Supercritical fluid extraction as a novel technology for extraction of bioactive compounds: A review. *The Pharma Innovation Journal* **11**(6):2253-2262.
- Vaidya D, Pandit A, Sharma A, Kaushal M, Saini HK, Anand A, Sharma R and Gupta A. 2021. Morphological, functional characterization and evaluation of

biological value of microencapsulated *Aloe vera* (L.) Burm. f. *Annals of Phytomedicine* **10**(2):137-144.

- Thakur A, Vaidya D, Sharma S, Kaushal M and Sharma N. 2021. Standardization and characterization of Himalayan wild apricot (geographical indicator) kernel press cake protein isolate and utilization for manufacture of gluten-free pasta. *Journal of Food Processing and Preservation* DOI:1111/jfpp16271.
- Soni S, Vaidya D, Mehrotra S, Sharma S and Nandi SP. 2016. A comparative study on antimicrobial and antioxidant activity of honey at different processing stages. *National Academy Science Letter*. DOI:10.1007/s40009-016-0506-5.
- Lakhanpal P and Vaidya D. 2015. Development and evaluation of honey-based mango nectar. *Journal of Food Science and Technology* **52**(3):1730-1735.
- Sharma A, Vaidya D, Abrol GS, Rana N and Chauhan N. 2015. Functional and textural properties of Indian nuggets assorted with mushroom for lysine enrichment. *Journal of Food Science and Technology* **52**(6):3837-3842.
- Abrol GS, Vaidya D, Sharma A and Sharma S. 2014. Effect of solar drying on physico-chemical and antioxidant properties of mango, banana and papaya. *National Academy Science Letters* **37**(1):51-57.
- Vaidya D, Gaur S, Rai RD and Sharma PC. 2008. Development and quality evaluation of white button mushroom noodles. *Journal of Food Science and Technology* **45**(6):513-515.

Books and manuals

- Vaidya D, Kaushal Manisha and Gupta Anil (2021) Manual of Methods of Food Analysis Cereals, Pulses, Oilseeds and their products. ICAR-Central Assistance Scheme, College of Horticulture, Dr YS Parmar, UHF Nauni, Solan (HP).
- Vaidya D, Kaushal M, Verma AK and Gupta A. 2018. *Phal evam sabjion ke utpadano ke uprant yantrikaran evam prasanakaran dwara aaye vridhi*. Department of Food Science and Technology, UHF,Nauni, Solan (HP). 162p.
- Vaidya D, Verma A K, Gupta A, Kumar D and Kaushal M. 2015. *Practical Manual of Horticulture Crops: Processing and Postharvest Technologies*.New IndiaPublishing Agency. 472 p.

Awards/ Recognitions

- Life Time Achievement Award-2020 conferred by Agro Environmental Development Society (AEDS), UP, India.
- Certificate of Honour and Gold medal -2003 conferred by Himotkarsh Sahitya Sanskriti evm Jankalyan Parisdad, Una (HP)
- Certificate of appreciation-2018 conferred by Dr YSPUHF, Nauni, Solan (HP) for meritorious services to the university.
- Research Awards: 3 ; ICAR Awards: 3 ; Academic Awards: 3