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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, Rashi, 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 M, Verma AK and Gupta A. 2018. *Phal evam sabjion ke utpadanoo ke uprant yantrikaran evam prasanakaran dwara aaye vridhi*. Department of Food Science and Technology, Dr YS Parmar University of Horticulture and Forestry, 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 India Publishing Agency. 472 p.
- Vaidya D, Kaushal M, Verma AK, Gupta A and Dixit AK. 2014. *Plum avmKhumanikaprasansakaran: Practical Manual*. Department of Food Science and Technology, Dr YS Parmar University of Horticulture and Forestry, Nauni, Solan (HP). 134 p. (ISBN: 978-81-930100-3-7).
- Bakshi AK, Joshi VK, Vaidya D and Sharma S. 2013 (Eds). *Food Processing and Preservation*. 2 Parts set Jagminder Book Agency Publisher and Distributors, New Delhi. 905 p.
- Sharma PC, Raj D and Vaidya D. 2009. *Chulli (Khumani) katel: Mahatav, Parsanskaranevamupyog*. Directorate of Extension Education, Dr YS Parmar University of Horticulture and Forestry, Nauni Solan (HP).
- Vaidya D, Thakur KS and Joshi VK (2011) *Laboratory Manual on Methods of Analysis of Fruits, Vegetables and Their Products*. ICAR-Central Assistance Scheme, College of Horticulture, Dr YS Parmar, UHF Nauni, Solan (HP).
- 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).

Awards/ Recognitions

- Life Time Achievement Award-2020 conferred by Agro Environmental Development Society (AEDS), UP, India.
- Best AICRP Centre of the year Award 2019-20 conferred by All India Coordinated Research Project on PHET Solan Centre received in 2019.
- Best AICRP Centre of the year Award 2018-19 conferred by All India Coordinated Research Project on PHET Solan Centre received in 2018.
- Certificate of appreciation-2018 conferred by Dr YSPUHF, Nauni, Solan (HP) for meritorious services to the university.

- Kejriwal Award -2017 for best article of interest to the industry in the area of Fruit and Vegetable Technology conferred by All India Food Processors' Association, New Delhi on December 16, 2017 at New Delhi.
- Dr Rajendra Prasad Puraskar -2015 for Technical books in Hindi in Agricultural and Allied Sciences conferred by ICAR, New Delhi.
- Chaudhary Devi Lal award-2015 for Post- Harvest Engineering and Technology, CIPHET conferred by ICAR, New Delhi
- Best AICRP Centre of the year Award 2007-12 conferred by All India Coordinated Research Project on PHET Solan Centre received 2012.
- Certificate of Honour and Gold medal -2003 conferred by Himotkarsh Sahitya Sanskriti evm Jankalyan Parisdad, Una (HP)
- Certificate of Honour and Gold medal -2002 conferred by CSK HPKVV, Palampur (HP)
- Certificate of Honour -1988 conferred by CSK HPKVV, Palampur (HP)