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**Ongoing Research Projects**

- All India Coordinated Research Project (AICRP) on Postharvest Engineering and Technology (PHET) funded by ICAR (Co-PI)

**Important Research Publications**

- Rana A, Kaushal M, Vaidya D, Gupta A, Verma A, Gautam A and Sharma R. 2022. Nutritional enhancement of fruit bars with omega rich food source fortification. *Journal of Food Processing and Preservation* **46**(12): e17258.
- Faruk A, Vaidya D, Kaushal M, Singh S, Rana N, Gupta A, Patidar S Chauhan P and Dileep KC. 2022. Functional and nutritional study of Himalayan rice. *Biological Forum - An International Journal* **14**(2): 1051-5.
- Patidar S, Vaidya D, Kaushal M, Gupta A, Ansari F, Arya P, Chauhan P, Saini H K, Anand A, Sharma R, Gautam A, Thakur C and Dileep KC. 2022. A comparative study on nutritional and functional composition of fresh apple pomace and dried apple pomace powder. *Agriculture Mechanization in Asia, Africa and Latin America* **53**(7): 9025-36.
- Vaidya D, Anuradha P, 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): 137-44.
- Kaushal M, Kaushik R, Vaidya D, Gupta A and Dhiman S. 2019. Development and characterization of functional ginger powder tablets. *International Journal of Current Microbiology and Applied Sciences* **8**(1): 2918-25.
- Kaushal M, Kumar L, Gill MIS, Choudhary OP and Bali S. 2013. Effect of salinity on survival and growth performance of in vitro grown rough lemon (*Citrus jambhiri* Lush.) seeds. *Indian Journal of Biotechnology* **12**: 284-6.
- Kaushal. M and Sharma PC. 2011. Nutritional and antimicrobial property of seabuckthorn (*Hippophae* sp) seed oil. *Journal of Scientific and Industrial Research* **70**: 1033-6.
- Kaushal M, Sharma PC, Kaushal BB Lal and Sharma AK. 2008. Standardization of methods for preparation of appetizer and ready-to-serve beverages from sea buckthorn (*Hippophae* sp.) berries. *Journal of Food Science and Technology* **45**(2): 139-42.
- Sharma PC, Kaushal M and Steward EM. 2007. Studies on lipid composition of seabuckthorn (*Hippophae* sp.) seeds grown in Indian Himalayas. *Journal of Food Science and Technology* **44**(2): 130-2.

- Sharma KD, Kaushal M and Kaushal BBL. 2002. Canning of peach halves in fruit juice. *Journal of Scientific and Industrial Research* **61**:823-7.

## Books and manuals

- Vaidya D, Verma AK, Gupta A, Kumar D and Kaushal M. 2015. Practical Manual of Horticulture Crops: Processing and Postharvest Technologies. New India Publishing Agency, New Delhi. 472p.
- Vaidya D, Kaushal M, Verma AK, Gupta A and Dixit AK. 2014. *Plum avm Khumani ka prasansakaran*: Practical Manual. Department of Food Science and Technology, Dr YS Parmar University of Horticulture and Forestry, Nauni, Solan (HP), 134p.

## Awards & Recognitions

- **Best Senior Scientist Award-2020** conferred by AEDS, UP, India during International Web-Conference on New Trends in Agriculture, Environmental and Biological Sciences for Inclusive Development (NTAEBSID-2020) w.e.f. June 21-22, 2020
- **Letter of Appreciation-2019** from Dean COH and Hon'ble vice-Chancellor, Dr YS Parmar University of Horticulture and Forestry, Nauni, Solan for contributing towards the Institute
- **Poster Presentation Award-2019** for the research study presented during 2<sup>nd</sup> International Conference on Recent Advances in Agricultural, Environmental and Applied Sciences for Global Development during September 27-29, 2019 at Dr Y S Parmar University of Horticulture and Forestry, Nauni, Solan HP India
- **Kejriwal Award-2017** in the area of Fruit & Vegetable Technology entitled "Development of Appetized Ginger Flakes" by All India Food Processors' Association, New Delhi held on 16 December, 2017
- **Oral Presentation Award-2017** for the research paper presented at 3<sup>rd</sup> International Conference on Bio-resource and Stress Management is held at Jaipur w.e.f. November 8-11, 2017.
- **ICAR Award- Dr Rajendra Prasad Puraskar-2016** for Technical books in Hindi in Agricultural and Allied Sciences entitled *Plum avm Khumani ka prasansakaran*: Practical Manual, authored by Vaidya Devina, Kaushal Manisha, Verma AK, Gupta A, Dixit AK, awarded by the ICAR, New Delhi
- **Oral Presentation Award-2013** for the research paper presentation at ICMR and DST sponsored International Conference on Food Technology: Impact on Nutrition and Health (ICFIN-2013) on 23-24 December, 2013 at JNU University, New Delhi
- **Dr JS Pruthi Memorial Award-2012** for the best new product developed and having industrial importance entitled Preparation and evaluation of value added products from seabuckthorn by All India Food Processors' Association (AIFPA), at IARI, Pusa New Delhi