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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

- Suhag R, Dhiman A, Prabhakar PK, Sharma A and Singh A. 2022. Microfluidization of liquid egg yolk : Modelling of rheological characteristics and interpretation of flow behavior under a pipe flow. *Innovative Food Science and Emerging Technologies* **81**: 103119.
- Saini R, Kaur S, Aggarwal P, and Dhiman A. 2023. The influence of conventional and novel blanching methods on potato granules, phytochemicals, and thermal properties of colored varieties. *Frontiers in Nutrition* **10**:1-11.
- Suhag R, Dhiman A, Thakur D, Kumar A and Upadhyay A. 2021. Physico-chemical and functional properties of microfluidized egg yolk. *Journal of Food Engineering* **294**: 110416.
- Dhiman A, Suhag R, Verma K, Thakur D, Kumar A, Upadhyay A and Singh, A. 2022. Influence of microfluidization on physico-chemical, rheological, thermal properties and cholesterol level of cow ghee. *LWT - Food Science and Technology* **160**: 113281.
- Kumar Y, Roy S, Devra A, Dhiman A and Prabhakar PK. 2021. Ultrasonication of mayonnaise formulated with xanthan and guar gums: Rheological modeling, effects on optical properties and emulsion stability. *LWT - Food Science and Technology* **149**: 111632.
- Dhiman A, Kaur R, Chandel R, Kumar S, Singh B, Kumar D, Kumar V and Suhag R. 2023. Effect of blanching and dehydration on rheological, structural, functional and physicochemical properties of okra. *Journal of Food Measurement and Characterization* (Published online)
- Dhiman A, Chawla D, Thakur D, Chauhan D, Bharara C and Singh A. 2020. Development and optimization of ready to serve (RTS) beetroot drink. *Asian Journal of Dairy and Food Research* **39**(1): 49-57.
- Dhiman A, Thakur D and Suhag R. (2021). Influence of encapsulating materials on spray-dried palm oil-based powder. *The Pharma Innovation Journal* **10**(1): 120-125.

Awards & Recognitions

- UGC NET JRF fellowship award 2021-22
- GATE-AICTE fellowship award 2018-20