



Shaheed Rajguru College of Applied Sciences for Women
University of Delhi
Faculty Profile

Name	Dr. Prabhjot Kaur Sabharwal	
Designation	Assistant Professor	
Email	prabhjot.kaur@rajguru.du.ac.in	
Degree	Institution	Year
PhD	Indian Institute of Technology (IIT), Delhi	2022
M.Sc.	Central Food Technology Research Institute (CFTRI), University of Mysore	2011
B.Sc.	Bhaskaracharya College of Applied Sciences, University of Delhi	2009
Areas of Interest / Specialization		
• Antimicrobial systems and active food packaging • Polymeric systems for food safety applications • Natural antioxidants and nutraceuticals • Bioactive compounds from oilseeds, nuts and food by-products • Valorization of food processing by-products • Functional foods and nutraceutical ingredients • Rapid detection of foodborne pathogens		
Publications Profile		
• Singh, M., Singh, R., Sabharwal, P. K., Sachchan, T. K., & Sharanagat, V. S. (2025). Barnyard millet: A review of its nutritional, anti-nutritional characteristics, processing and value-added products. <i>Journal of Food Composition and Analysis</i>, 108262. • Singh, M., Sabharwal, P. K., Singh, R., & Sachchan, T. K. (2024). Barnyard Millet: Biology, Functional Potential and Sustainable Utilization: Minor Millets. In <i>Millet: The Multi-Cereal Paradigm for Food Sustainability</i> (pp. 135-150). Cham: Springer Nature Switzerland.		

- Prajapati, P., Garg, M., Singh, N., Chopra, R., Mittal, A., & Sabharwal, P. K. (2024). Transforming plant proteins into plant-based meat alternatives: challenges and future scope: P. Prajapati et al. *Food science and biotechnology*, 33(15), 3423-3443.
- Rizwana, & Sabharwal, P. K. (2025). *Technology of Meat, Poultry and Egg*. New Delhi Publishers, New Delhi, India. ISBN: 9789348120168.
- Garg, M., Chatturvedi, S., Sabharwal, P. K., Sachchan, T. K., Bindu, & Sablania, V. (2025). *Food Packaging*. New Delhi Publishers, New Delhi, India. ISBN: 978-93-48120-36-6.
- Sabharwal, P.K. & Joshi, D. (2024). *Handbook of Dairy Processing*. First Edition. New Delhi Publishers, New Delhi. ISBN: 978-81-973626-4-4.
- Sabharwal, P. K., & Gupta, S. (2025). *Handbook of Food Waste and By-Product Utilisation*. New Delhi Publishers, New Delhi, India. ISBN: 978-81-976535-3-7.
- Chaturvedi, S., Sabharwal, M., Kaur, N., Agarwal, A., & Sabharwal, P. K. (2022). Development of probiotic tomato kulfi. *Indian Journal of Dairy Science*, 75(1).
- Sabharwal, P. K., Vandana, & Dholakia, P.. (2022). Seed Gums: Sources, Applications, and Recent Trends in Edible Films. In *Edible Food Packaging: Applications, Innovations and Sustainability* (pp. 263-276). Singapore: Springer Nature Singapore.
- Vandana, Dholakia, P., & Sabharwal, P. K. (2022). Novel Microbial Sources of Packaging Edibles. In *Edible Food Packaging: Applications, Innovations and Sustainability* (pp. 103-112). Singapore: Springer Nature Singapore.
- Sabharwal, P. K., Vandana, & Dholakia, P. (2022). Seaweeds: New Source of Packaging Edibles. In *Edible Food Packaging: Applications, Innovations and Sustainability* (pp. 233-245). Singapore: Springer Nature Singapore.
- Sabharwal, P. K., Arya, V., & Verma, C. (2020). Street Foods: Safety and Potential. *Emerging Technologies in Food Science: Focus on the Developing World*, 79-84.
- Vandana, Verma, C., & Sabharwal, P. K. (2020). Traditional foods: the inheritance for good health. *Emerging Technologies in Food Science: Focus on the Developing World*, 135-138.

- Sabharwal, P. K., Chattopadhyay, S., & Singh, H. (2018). Preparation and characterization of antimicrobial, biodegradable, triclosan-incorporated polyhydroxybutyrate-co-valerate films for packaging applications. *Journal of Applied Polymer Science*, 135(44), 46862.
- Sabharwal, P.K., Chattopadhyay, S., Kaur, A., Singh, H., (2016). Functionalized polymeric magnetic nanoconstructs for selective capturing and sensitive detection of *Salmonella typhimurium*. *Anal Chim. Acta*, 937. 127-135
- Sabharwal P.K., Chattopadhyay, S., Kaur, A., Singh, H., (2016). Polymer functionalized magnetic nanoconstructs for immunomagnetic separation of analytes. *RSC Adv*, 6. 66505-66515.
- Sabharwal, P.K., Garg, M., Kaur, A., Aditi, Sadhu, S.D., (2016). Advancement in conventional packaging- Edible packaging. *World Journal of Pharmaceutical and Life Sciences*, 2(3). 160-170.
- Sabharwal, P.K., Garg, M., (2014). Comparative study of fieldpea, chickpea and their cultivars. *International Journal of Nutrition and Agriculture Research*, 1(2). 83-92.
- Sabharwal, P.K., Garg, M., Sharma, S., Varmani, S.G., Sadhu, S.D., (2015). Evaluation of mathematical models to describe thin-layer drying and to determine drying rate of potato peels using tray drying. *International Journal of Scientific Engineering and Applied Science*, 1(7). 1-15.
- Sabharwal, P.K., Garg, M., Dahiya, S., (2015). Nutritional quality of value added ladoos from amylase rich flour of chickpea and fieldpea. *International Journal of Pharmacy and Integrated Life Sciences*, 3(2). 37-51.
- Sabharwal, P.K., Garg, M., Dahiya, S., (2014). Effect of processing on amylase rich fieldpea porridge (dalia). *International Journal of Food and Nutritional Sciences*, 3(1), 21-25.
- Sabharwal, P.K., Garg, M., Dahiya, S., (2015). Physico-chemical properties of papad from field pea cultivars. *International Journal of Science and Research (IJSR)*, 4, 1399-1403.
- Sabharwal, P.K., Vandana., (2016). Sustainable utilization of waste from citrus fruit processing industry- A review NCAFST Conference Proceedings 2016 with ISBN

No. 978-93-81156-43-8. (85-90)

•

Awards and Distinctions

- Awarded Institute fellowship for pursuing Ph.D. from Indian Institute of Technology (IIT, Delhi).
- Qualified UGC (University Grant Commission) NET (National Eligibility Test for Lectureship), June, 2011.
- Received Shri. R. Rajgopalan Scholarship for scoring highest merit based on aggregate of marks of first two semesters of graduate degree.
- Awarded merit certificate for being 3rd rank holder in department of food technology at under graduate level.
- Awarded Hindi Pratibha Puraskar from Academy of Hindi, Delhi, India for scoring 89% marks in high school all over India.
- Won Judge's Prize for poster presentation on "*Synthesis and characterization of Poly hydroxy butyrate film*" at Bhaskaracharya College of Applied Sciences, University of Delhi, New Delhi, November 3, 2014.