

Dr. Gurjeet Kaur

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Marital Status: Married

Address: V.P.O. Thandewala, Sri Muktsar Sahib, Punjab, India

Employment Objective:

To work for a dynamic position that demands high performance and professional challenge, wherein I can enhance my technical, analytical, organization, and transferable skills which I gained from my education and experience

Qualification

- **Ph.D. Processing and Food Engineering (2019-2022)**
Overall Credit Point Average- 8.70/10
Institution: Punjab Agricultural University Ludhiana, Punjab, India
- **Master of Technology in Processing and Food Engineering (2014-2017)**
Overall Credit Point Average- 8.18/10
Institution: Punjab Agricultural University Ludhiana, Punjab, India
- **Bachelor of Technology in Food Technology (2010-2014)**
Overall Credit Point Average - 7.77/10
Institution: Punjab Agricultural University Ludhiana, Punjab, India
- **ASRB (ICAR) Net qualified (May-2017)**

Experience

Designation	Name & Address of Employer	Period	Nature of work/duties
Assistant Professor	Shri Guru Granth Sahib World University, Fatehgarh Sahib (Punjab), India	18 th January 2017 to 14 th December 2018	Teaching and Research
Junior Research Fellow	Guru Angad Dev Veterinary and Animal Sciences University, Ludhiana (Punjab), India	1 st June 2022 to 6 th October 2022	Research and Publications
Young Professional-II	ICAR-Central Institute of Post-Harvest Engineering and Technology (CIPHET), Ludhiana (Punjab), India	10 th October 2022 to 13 th April, 2023	Training, Research and Publications
Senior Research Fellow	ICAR-Central Institute of Post-Harvest Engineering and Technology (CIPHET), Ludhiana (Punjab), India	13 th April, 2023 to 22 nd January, 2026	Training, Research and Publications

Industrial trainings/workshops

- Participated in One-Day National Level Workshop on “Non-Timber Forest Produce: Technology, Value Addition and Trade”, organized by the Department of Food Technology, DSLD College of Horticultural Engineering and Food Technology, Haveri.
- Organized 10-days training on Post-Harvest Management and Value Addition of Minor Forest Produce for technical staff of CGMFPPed. Raipur, Chhattisgarh at ICAR-CIPHET, Ludhiana

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- Organized 7-days training on Pickle Processing for technical staff of CGMFPFed. Raipur, Chhattisgarh at ICAR-CIPHET, Ludhiana
- Organized 3-days training on Good Storage Practices for technical staff of CGMFPFed. Raipur, Chhattisgarh in Raipur
- Participated in 2-days workshop on High-Pressure Processing: Principles & applications organized by Guru Nanak Dev University, Amritsar & McGill University, Quebec (Canada)
- Participated in 1-day workshop on Food textural analysis at ICAR-CIAE, Bhopal
- Participated in 5-days SERB-sponsored High-End Karyashala Workshop on "Sustainable Disruptive Technology in Agri-food Sector for Processing and Preservation at the Department of Food Process Engineering, National Institute of Technology, Rourkela, Odisha
- Participated in 2-day workshop on Basics of Rheology at Punjab University (PU) Chandigarh, India
- 4-month trainee in Bonn food industries, Ludhiana, India
- 1-month trainee in Field Fresh Foods Pvt. Ltd, Ludhiana, India
- 1-day trainee on ISO 22000:2005 Food Safety Management Awareness Course, PAU, Ludhiana, India

Awards/Recognitions

- *Oral presentation* at International Conference on Recent Advances in Smart and Sustainable Agriculture for Food and Nutritional Security (November 2023) at Lovely Professional University, Jalandhar, India
- Awarded the *Best Poster Presentation* in the 2nd International Conference on Prospects and Challenges of Environment and Biological Sciences in the Food Production System for Livelihood Security of Farmers (ICFPLS-2023)(September 2023) at Port Blair, Andaman & Nicobar Islands, India
- Awarded the *Best Poster Presentation* in the 25th Indian Convention of Food Scientists & Technologists (November 2016) held at Guru Nanak Dev University, Amritsar, Punjab, India
- Presented a *poster* with the title 'Evaluating the effect of pretreatment and freezing process on colour and flavour of frozen lemongrass puree' in the 21st Punjab science congress on Scientific Advances Development and Environmental Protection (2018) held at PAU, Ludhiana, India
- Presented a *paper* with the title 'Lemongrass purees- influence of pretreatments on the bioactive compounds and physicochemical properties' at an international conference on recent innovations in science, agriculture, engineering, and management (2017) held at Guru Kashi University, Talwandi Sabo, Bathinda, Punjab, India
- Punjab Govt. Scholarship during B. Tech.
- Merit certificate during M. Tech
- Merit scholarship during Ph.D.

Publications

Research/Review papers

Authors	Year	Title	Journal/Impact factor (IF)
Srutee Rout, Sena Bakir, Sonali Khanal, Gurjeet Kaur ,....Dinesh Kumar, Prem Prakash Srivastav	2025	Recent advances in plant protein microgels encapsulated with bioactive compounds	Food Hydrocolloids for Health/IF:5.1
Narender Kumar Chandla, Gurjeet Kaur , Sukhcham Singh, D.C. Saxena, Sunil Kumar Khatkar, Nitin S. Wakchaure, Gajanann P. Deshmukh	2025	Analyzing the effect of drying temperature and storage conditions on properties of amaranth starch-based biodegradable (edible) films	Asian Journal of Dairy and Food Research/NAAS rating: 5.44
Thingujam Bidyalakshmi, Manju Bala, Surya Tushir, Samandeep, Gurjeet Kaur , Sukhmanjot Kaur, Sandeep Mann, Rajesh Kumar Vishwakarma	2025	Unlocking the potential of chironji (<i>Buchanania lanzan</i>) kernels: role of packaging atmosphere and storage in nutritional and quality retention	Journal of Food Measurement and Characterization/IF:3.3
Sandeep Mann, Surya Tushir, Gurjeet Kaur , Thingujam Bidyalakshmi Devi, Swati Sethi, Neeraj Sahu, Manju Bala, Rajesh Kumar Vishwakarma, Nachiket Kotwaliwale	2025	Harnessing the potential of underutilised <i>Buchanania lanzan</i> Spreng.: Review on processing, nutrition, and applications	Indian Journal of Natural Products and Resources (IJNPR)/IF: 0.6
Gurjeet Kaur , Saba Ahmadzadeh-Hashemi, Saira Amir, Zakir Showkat Khan,....Zehra Gulsunoglu-Konuskan, Thameed Aijaz	2024	From Millet to Marvels: An Improved Future Food through Innovative Processing	Future Foods/IF:7.2
Gurjeet Kaur , Zakir Showkat Khan, .Sarvesh Rustagi, Shweta Suri, Samaneh Hatami, Shemilah Fayaz and Thameed Aijaz	2024	Innovative Approaches to Pectin Processing: Enhancing Techno-functional Properties for Applications in Food and beyond	Bioactive Carbohydrates and Dietary Fibre (Cite score: 6)
Gurjeet Kaur , Gagandeep Kaur Sidhu, Jaspreet Kaur and Mohit Singla	2024	Compositional, functional, and rheological characterization of	International Journal of Food Science and Technology/ IF:3.612

		peanut oils influenced by ozonation, roasting, and combination process	
Gurjeet Kaur , Navjot Kaur, Ritika Wadhwa, Surya Tushir and Deep Narayan Yadav	2023	Techno-functional attributes of oilseed proteins: influence of extraction and modification techniques	Critical Reviews in Food Science and Nutrition/ IF: 11.208
Gurjeet Kaur , Gagandeep Kaur Sidhu and Preetinder Kaur	2023	Moisture sorption isotherms characteristics for shelf-life prediction of peanuts (<i>Arachis Hypogaea</i> L.)	Journal of the Science of Food and Agriculture/ IF:4.486
Gagandeep Kaur, Preetinder Kaur, Gurjeet Kaur and Sahil Mehta	2022	Comparison of physiochemical properties and colour of wheat flour: Effect of milling speed, packaging and storage	Agricultural Engineering International: CIGR Journal/ IF: 0.640
Gurjeet Kaur , Gagandeep Kaur Sidhu, Preetinder Kaur and Amarjit Kaur	2022	Influence of ozonation and roasting on functional, microstructural, textural characteristics, and aflatoxin content of groundnut kernels	Journal of Texture Studies/ IF:3.942
Ramandeep Singh, Gagandeep Kaur and Gurjeet Kaur*	2022	Shelf-life prolongation of spring groundnut pods (<i>Arachis hypogaea</i> l.) using packaging systems	Journal of Scientific and Industrial Research/ IF:1.056
Gurjeet Kaur , Preetinder Kaur and Amrit Kaur	2021	Preserving bioactive quality and color of novel frozen lemongrass puree tablets	Journal of Food Processing and Preservation/ IF: 2.190
Gurjeet Kaur , Preetinder Kaur and Amrit Kaur	2018	Physico-chemical properties, bioactive compounds and color parameters of coriander puree: Effect of pretreatments and freezing	Journal of Food Science & Technology/ IF:2.701
Gurjeet Kaur , Preetinder Kaur and Mahesh Kumar	2017	Lemongrass purees: influence of Pretreatments on the bioactive Compounds and physiochemical Properties	International Journal of Advance Research in Science and Engineering

Book Chapters

Authors	Year	Title	Details
Preetinder Kaur, Jagbir Rehal, Gaganjyot Kaur and Gurjeet Kaur	2026	Toward Sustainability through post-harvest value addition	Sustainable Approaches in Postharvest Handling and Management (1st ed.). Apple Academic Press. https://doi.org/10.1201/9781779641076
Gurjeet Kaur , Kanchan Suri, Anu Sharma, and Zakir Showkat Khan	2026	Millet Grain Phenolics: Classification, Chemical Profiling	<i>Nutraceutical Potential of Millet-based Food Products</i> edited by Parmjit S. Panesar, Charanjit S. Riar, Sushil Dhital (ISBN: 9781394294701)
Sandeep Mann and Gurjeet Kaur	2025	Controlled Atmosphere Storage of Fruits	Post-harvest Management of Fruits and Plantation Crops (Volume 1: Basic Concepts), ISBN: 978-93-58876-02-4
Vikas Kumar, Siddhnath, Nikheel Bhojraj Rathod, Hafsa Maqbool, Gurjeet Kaur , Simran Kaur, Vijay Kumar Reddy	2025	Microplastic Menace: How Contaminated Seafood Puts Food Security at Risk	Microplastics: Ecological and Food Security Implications, Springer Nature Switzerland, ISBN: 978-3-031-94480-2
Muskaan Gupta, Navjot Kaur and Gurjeet Kaur	2024	Enabling Technology-Assisted Extraction of Thermosensitive Bioactive Constituents	Non-Thermal Processing of Functional Foods, Taylor & Francis Group doi: http://dx.doi.org/10.1201/9781003436560-6 , ISBN: 9781003436560
Navjot Kaur and Gurjeet Kaur	2024	Extraction, characterization, and isolation of natural colorants and pigments	Adding Value to Fruit Wastes, Elsevier, ISBN: 978-0-443-13842-3
Preetinder Kaur, Gurjeet Kaur , Gagandeep Kaur Sidhu and Kirandeep Kaur	2024	Modeling of Moisture Transfer in Food Systems Packed in Polysaccharide-Based Films	Polysaccharide Based Films for Food Packaging: Fundamentals, Properties and Applications, Springer Nature, ISBN: 978-981-99-4897-0
Gurjeet Kaur , Kirandeep Devgan, Preetinder Kaur and Nitin Kumar ⁴	2024	Polysaccharide-Based Bio-nanocomposites for Food Packaging	Nonthermal Food Engineering Operations, Scrivener Publishing LLC, ISBN:9781119776413

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Mohammed Shafiq Alam, Gurjeet Kaur , and Ruchika Zalpouri	2023	Current Trends and Techniques in the Nutraceutical Industry	Handbook on Fruits and Their Roles, CRC Press, Taylor & Francis Group, ISBN: 9781003259213
Monika Hans, Gurjeet Kaur , Ameeta Salaria, and Thutturu Sravan	2022	Agrarian Conditions and Post-harvest Practices of Faba Bean	Faba Bean: Chemistry, Properties and Functionality, ISBN: 978-3-031-14586-5,
Sandeep Mann, Sachin Mittal, Tanya Sachdeva and Gurjeet Kaur	2022	Hermetic Storage Technique of Food Grains	ICAR Sponsored Winter School Innovative Storage Solutions: The Best Way Forward for Reducing Post-Harvest Losses, and Doubling Farmers' Income, Published by: ICAR-CIPHET, Ludhiana
Gurjeet Kaur , Gagandeep Kaur Sidhu, Jashandeep Singh, and Preeti Birwal	2020	Ozonation: Potential Applications in Oilseed Storage	Handbook of Research on Food Processing and Preservation Technologies, Volume 2, CRC Press, ISBN: 978-1-0316-129-5

Magazine articles

Authors	Year	Title	Details
ਗੁਰਜੀਤ ਕੌਰ, ਨਵਜੋਤ ਕੌਰ ਅਤੇ ਰਣਜੀਤ ਸਿੰਘ	2023	ਪੈਕੇਜਿੰਗ ਅਤੇ ਓਜ਼ੋਨੇਸ਼ਨ: ਤੇਲ ਬੀਜ ਸਟੋਰੇਜ ਵਿੱਚ ਸੰਭਾਵੀ ਵਰਤੋਂ	Article in Modern Kheta magazine (August 2023)
ਨਵਜੋਤ ਕੌਰ, ਗੁਰਜੀਤ ਕੌਰ ਅਤੇ ਰਣਜੀਤ ਸਿੰਘ	2023	ਭੋਜਨ ਖੇਤੀ ਰੀਹੰਦ ਖੁੰਦ ਸੰਭਾਵੀ ਵਰਤੋਂ	Article in Modern Kheta magazine (May 2023)
Preetinder Kaur and Gurjeet Kaur	2016	Recent trends in processing and value addition of herbs-A review	Article in Processed Food Industry magazine

Training manual/Books

Authors	Year	Title	Details
ਚੰਦਨ ਸੋਲਾਂਕੀ, ਗੁਰੂ ਪੀ. ਏਨ., ਰਮਨਦੀਪ ਸਿੰਘ, ਪੰਕਜ ਕੁਮਾਰ, ਗੁਰਜੀਤ ਕੌਰ, ਮੰਜੂ ਬਾਲਾ	2025	ਸ਼੍ਰੀ ਅਨੰਨ ਕਾ ਪ੍ਰਸੰਸਕਰਣ ਏਵੰ ਖੰਡਾਰਣ	Training manual Published by: ICAR-CIPHET, Ludhiana
Sandeep Mann, Gurjeet Kaur , Shrikrishna Nishani,	2025	Handling and Management Practices for Storage of Durables	Training manual Published by: ICAR-CIPHET, Ludhiana

Abhinav Dubey, Guru P. N.			
स्वाति सेठी, मंजू बाला, सूर्या तुषीर, गुरजीत कौर, रमनदीप सिंह	2024	“चर्तनि फसलों से अचार के प्रसंस्करण, परीक्षण और गणुवत्ता आश्वासन”	Training manual Published by: ICAR-CIPHET, Ludhiana
Guru P. N., Sandeep Mann, Gurjeet Kaur , Sumit Grover, Manju Bala, Vishwakarma R. K.	2024	Good Storage Practices	Training manual Published by: ICAR-CIPHET, Ludhiana
Sandeep Mann, Vishal Kumar, Gurjeet Kaur , and Baldeep S. Tiwana	2023	Plasticulture Technologies in Agriculture	Book Published by: ICAR-CIPHET, Ludhiana, ISBN: 978-81-956957-7-5