

## PERSONAL INFORMATION

Name: Dr. Vasudha Sharma  
Gender: Female  
Birth date:-  
Designation: Assistant Professor  
Department: Department of Food technology  
URL: -  
Date of Joining: 12/12/2012

## ADDRESS INFORMATION

Address: Department of Food Technology, Nano-Building, Jamia Hamdard.  
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## CONTACT INFORMATION

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## ACADEMIC INFORMATION

Level	Institution	Year	Specialization
PhD (Philosophy of Doctorate)	IIT, Kharagpur	2014	Food Technology
M.Sc.	Guru Jambheshwar University of Science & Technology, Hissar	2008	Food Technology
B.A.Sc.	Bhaskaracharya College of Applied Sciences	2006	Food Technology

## JOURNAL PUBLICATIONS

S. No	Journal Publications	Year
1.	Hanan, Entesar, Nazeer Hasan, Sultan Zahiruddin, Sayeed Ahmad, Vasudha Sharma, and Farhan J. Ahmad. "Metabolite profiling and Ameliorative effect of quince ( <i>Cydonia oblonga</i> ) leaves against doxorubicin induced cardiotoxicity in Wistar rats." <i>Food Bioscience</i> 53 (2023): 102691.	2023
2.	Bhardwaj, Aastha, Nitya Sharma, Tanweer Alam, Vasudha Sharma, J. K. Sahu, Hinna Hamid, Vasudha Bansal, and Mohammad Sarwar Alam. "Development and Characterization of Chitosan and Beeswax–Chitosan	2023

	Coated Biodegradable Corn Husk and Sugarcane Bagasse-Based Cellulose Paper." <i>Waste and Biomass Valorization</i> 14, no. 5 (2023): 1625-1636.	
3.	Singh, Shivani, Vidhu Aeri, and Vasudha Sharma. "Encapsulated natural pigments: Techniques and applications." <i>Journal of Food Process Engineering</i> (2023): e14311.	2023
4.	Tiwari, Abhay, Sushil Kumar, Gourav Choudhir, Garima Singh, Upanshu Gangwar, Vasudha Sharma, Rupesh K. Srivastava, and Satyawati Sharma. "Bioactive metabolites of edible mushrooms efficacious against androgenic alopecia: Targeting SRD5A2 using computational approach." <i>Journal of Herbal Medicine</i> 36 (2022): 100611.	
5.	Manzoor, Shaziya, Rubiya Rashid, Bibhu Prasad Panda, Vasudha Sharma, and Mohd Azhar. "Green extraction of lutein from marigold flower petals, process optimization and its potential to improve the oxidative stability of sunflower oil." <i>Ultrasonics sonochemistry</i> 85 (2022): 105994.	
6.	Rastogi, Sarushi, Vinita Kumari, Vasudha Sharma, and Farhan Jalees Ahmad. "RGB colorimetric method based detection of oxytocin in food samples using cysteamine functionalized gold nanoparticles." <i>Analytical Biochemistry</i> 656 (2022): 114886.	2022
7.	Tiwari, Abhay, Garima Singh, Gourav Choudhir, Mohit Motiwale, Nidhi Joshi, Vasudha Sharma, Rupesh K. Srivastava, Satyawati Sharma, Marco Tutone, and Pradeep Kumar Singour. "Deciphering the Potential of Pre and Pro-Vitamin D of Mushrooms against Mpro and PLpro Proteases of COVID-19: An In Silico Approach." <i>Molecules</i> 27, no. 17 (2022): 5620.	2022
8.	Tiwari, Abhay, Garima Singh, Umesh Singh, Leena Sapa, Vikrant Rana, Vasudha Sharma, Rupesh K. Srivastava, and Satyawati Sharma. "Edible mushrooms: The potential game changer in alleviating vitamin D deficiency and improving human health." <i>International Journal of Food Science &amp; Technology</i> 57, no. 3 (2022): 1367-1377.	2022
9.	Bashir, Omar, Vasudha Sharma, Syed Zameer Hussain, Bazila Naseer, Tawheed Amin, Kashif Ameer, Shakeel Ahmad Bhat, Sobiya Manzoor, and Isam A. Mohamed Ahmed. "Effect of roasting and frying treatments on aflatoxins and capsaicinoids content and nutritional profile of green chilies ( <i>Capsicum annum</i> L.)." <i>Food Science &amp; Nutrition</i> 10, no. 11 (2022): 3672-3679.	2022
10.	Rastogi, Sarushi, Vinita Kumari, Vasudha Sharma, and Farhan Jalees Ahmad. "Colorimetric Detection of Oxytocin in Bottle Gourd Using Cysteamine Functionalized Gold Nanoparticle (Cys-AuNPs)." <i>Food Analytical Methods</i> 15, no. 11 (2022): 2972-2983.	2022
11.	Bhardwaj, Aastha, Nitya Sharma, Vasudha Sharma, Tanweer Alam, J. K. Sahu, and Hinna Hamid. "Assessing the consumer acceptance and storability of chitosan and beeswax coated cellulose packaging for whole wheat bread." <i>Food Control</i> 133 (2022): 108682.	2022
12.	Tiwari, Abhay, Garima Singh, Vasudha Sharma, Rupesh Kumar Srivastava, and Satyawati Sharma. "Harnessing the potential of UVB irradiation for improving the nutraceutical properties of edible xylophilic mushroom dried powder." <i>LWT</i> 150 (2021): 111913.	2021
13.	Rastogi, Sarushi, Vasudha Sharma, Meenal Gupta, Pushpa Singh, Patrizia	2021

	Bocchetta, and Yogesh Kumar. "Methods of Synthesis and Specific Properties of Graphene Nano Composites for Biomedical and Related Energy Storage Applications." <i>Current Nanoscience</i> 17, no. 4 (2021): 572-590.	
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### BOOK/BOOK CHAPTERS

S. No.	Book/Book chapter	Year
1.	Bhardwaj, Aastha, Soumya Purohit, and Vasudha Sharma. "Asian fermented root and tuber-based products." In <i>Indigenous Fermented Foods for the Tropics</i> , pp. 285-296. Academic Press, 2023.	2023
2.	Bhardwaj, Aastha, Nitya Sharma, Vasudha Sharma, Tanweer Alam, and Syed Shafia. "Smart Food Packaging Systems." In <i>Smart and Sustainable Food Technologies</i> , pp. 235-260. Singapore: Springer Nature Singapore, 2022.	2022
3.	Garg, Himanshi, Soumya Ranjan Purohit, Vasudha Sharma, and Jatindra Kumar Sahu. "Antioxidant-Rich Edible Packaging." In <i>Edible Food Packaging: Applications, Innovations and Sustainability</i> , pp. 527-545. Singapore: Springer Nature Singapore, 2022.	2022
4.	Idrishi, Rubeka, Divya Aggarwal, and Vasudha Sharma. "Upcycling Technologies in the Food Industry." In <i>Smart and Sustainable Food Technologies</i> , pp. 367-392. Singapore: Springer Nature Singapore, 2022.	2022
5.	Kumar, Rahul, Vasudha Sharma, and Maria Jose Oruna-Concha. "Waste Minimization and Management in Food Industry." In <i>Smart and Sustainable Food Technologies</i> , pp. 309-340. Singapore: Springer Nature Singapore, 2022.	2022
6.	Tiwari, Abhay, Garima Singh, Kanika Chowdhary, Gaurav Choudhir, Vasudha Sharma, Satyawati Sharma, and Rupesh K. Srivastava. "Co-Product Recovery in Food Processing." In <i>Smart and Sustainable Food Technologies</i> , pp. 341-366. Singapore: Springer Nature Singapore, 2022.	2022

### CONFERENCES CONDUCTED

S. No.	Conferences Conducted
1.	9 <sup>th</sup> International Conference on Food processing, Nutrition and Fortification with emphasis on Vitamin D, Jamia Hamdard, New Delhi, March 05-06 <sup>th</sup> , 2020.
2.	Recent Advances in Food Fortification with Emphasis on "Vitamin D Deficiency in Human Health" Jamia Hamdard, 15-16 <sup>th</sup> September, 2019.
3.	Organized Workshop on "Context of Food Safety, FSSAI Act and Regulations and Codex Alimentarius", 04-05 <sup>th</sup> Nov, 2019 at Jamia Hamdard, Participants – 200
4.	Organized Workshop on "Sensory Evaluation", 11th September, 2019 at Jamia Hamdard, Participants – 200; Sponsoring Agency: Tagtaste Foods Pvt. Ltd & AFST(I) Delhi Chapter
5.	Organizing Secretary for National Seminar on Food Safety and Hygiene, 19 <sup>th</sup> April 2018 at Jamia Hamdard, Participants-150
6.	Member Organizing Committee: WORLD FOOD DAY 2018 Building partnership to achieve the global goal of "Zero Hunger" October 16th, 2018, FICCI Federation

	House, New Delhi
7.	National EAT Right Mela organized by FSSAI on 14 <sup>th</sup> December 2018 and Swastha Bharat Yatra.
8.	MSME Sponsored Seminar cum workshop on “Igniting spark in entrepreneurship in food processing industries” on February 22, 2017 at Jamia Hamdard.
9.	National seminar on Biomedical Engineering, Food and Fermentation technology March 28, 2017, Jamia Hamdard, New Delhi

### **ACHIEVEMENTS/RECOGNITIONS/AWARDS**

1. Centre for Quality and Food Safety (CQFS) Award 2021 on World Food Safety Day 2021
2. Member of Expert Committee for drafting academic curriculum for Food Safety education in India under Surakshit Khadya Abhiyan (SKA), a Confederation of Indian Industries (CII) initiative.
3. Invited Talks National/International: 12
4. Joint Secretary AFSTI Delhi Chapter [2019-2021]
5. Executive Member Women's Indian Chamber of Commerce & Industry (WICCI) Delhi Food Processing Council
6. Certificate of Outstanding contributions in reviewing: LWT – Food Science and Technology (awarded Nov 2015)
7. Certificate of Outstanding contributions in reviewing: Journal of Cereal Science (awarded June 2016)
8. Contributed towards creation of South-Asia cadre of food safety professionals by providing objective type questions in the field of Food Safety and Food Hygiene (Nestle Food Safety Institute)
9. Coordinator for SNF Fellows Program : Involved in creating awareness on food safety in schools, under FSSAI - Safe & Nutritious Food fellowship program at Jamia Hamdard [Outreach: 1200+]