

Name	Dr. Moni Gupta
Designation	Professor and Head
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Professional Experience	23 years of teaching and research
Awards/Honours/Scholarships /Fellowships	<ul style="list-style-type: none"> • BiocARE fellowship for three years (2015-2018) • DBT-Newton Bhabha fund to visit Cambridge University for women leadership in Agriculture (2016) • International training workshop on Edible and Medicinal Mushroom Production sponsored by MOST, Republic of China at Shanghai Academy of Agricultural Sciences.(2019) • International training in the Institute of Bioproduct Development, University Technology, Malaysia, Johor Bahru sponsored by IDP-NAHEP, ICAR (2023) • International Exposure visit to Lincoln University, Christchurch, New Zealand (2023)
Area of Specialization	Biochemistry and Molecular Biology
Research Interests	Nutritional Biochemistry, Biochemistry and Molecular Biology of Abiotic and Biotic stress.
Total No. of Publications	60
Selected Publications	<p>Disket, S., Gupta, S., Gupta, M., Kour, P., Devi, L and Singh, R. 2024 Optimization of mycelial growth parameters in Lion’s Mane edible medicinal mushroom <i>Hericium erinaceus</i> (Agaricomycetes) by supplementation of growth hormones. <i>International Journal of Medicinal Mushrooms</i> 26 (11),41-49 (NAAS rating 7.2)</p> <p>Wali, A., Gupta, M. 2024. Essential oils and post distilled wastes of <i>Aegle marmelos</i> reveals potent antioxidant potential for use in food industry. <i>Waste & Biomass Valorization</i> 15, 4853–4866 . (NAAS rating: 9.2)</p> <p>Annepu, S.K., Sharma, V.P., Barh, A., Kamal, S., Shirur, M., Kumar, S., Bhairwa, P., Gupta, S., Gupta, M., and Dutta, U., Samuna, B., Gupta, D and Kumar, R. 2023. Influence of heat treatment and solid-state fermentation on the lignocellulosic fractions of substrates supporting <i>Lentinula edodes</i> (Berk.) Pegler cultivation: Implications for commercial production. <i>Fermentation</i> 9,130 (Impact : 3.3)</p> <p>Manoj, B.S., Gupta, M., Jeelani, M.I and Gupta, S. 2022. Metabolic footprints of chitosan primed red kidney bean under restricted irrigation. <i>International Journal of Biological Macromolecules</i>. 208: 367-380. (NAAS rating: 14.20)</p> <p>Manoj, B.S., Gupta, M., Jeelani, M.I and Gupta, S. 2022. Chitosan augments bioactive properties and drought resilience in drought-induced red kidney beans. <i>Food Research International</i> 159 : 111597 (NAAS rating: 14.10)</p> <p>Barh, A., Sharma K., Bhatt, P., Annepu, S.K., Nath, M., Shirur, M., Kumari, B., Kaundal, K., Kamal, S., Sharma, V.P., Gupta, S., Sharma, A., Gupta, M., and Dutta, U. 2022. Identification of key regulatory pathways of basidiocarp formation in <i>Pleurotus</i></p>

	<p>spp. using modeling, simulation and system biology studies. <i>Journal of Fungi</i> 8, 1073. https://doi.org/10.3390/jof8101073 (Impact: 4.2)</p> <p>Choudhary, N., Anjali., Gupta, M., Shafi, S., Jan, S., Mir, A.H., Singh, B and Mir, M.M.2022. Molecular diversity and nutriment studies of common bean (<i>Phaseolus vulgaris</i> L.) from the two hot-spot of Western Himalayas of Jammu and Kashmir. <i>Crop and Pasture Science</i>, 73 (3),249-262. Doi:10.1071/CP21347 (NAAS rating: 7.90)</p> <p>Wali A, Gupta M, Gupta S, Sharma V, Salgotra R.K.and Sharma M. 2020. Lignin degradation and nutrient cycling by white rot fungi under the influence of pesticides. <i>3D Biotech</i> , 266 DOI: 10.1007/s13205-020-02251 (NAAS rating: 8.80)</p> <p>Hamid, A., Mallick, S. A., Gupta M., Gupta, S. and Haq, M.R.U. 2019. Amelioration in gliadin antigenicity and maintenance of viscoelastic properties of wheat (<i>Triticum aestivum</i> L.) cultivars with mixed probiotic fermentation. <i>Journal of Food Science and Technology</i>. 56 : 4282-4295 (NAAS rating: 9.10)</p>
No. of Books/Manuals/Monographs	3Nos. (UG Practical Manual, Experiments in Stress Biochemistry, Manual on Advance techniques in Food Biochemistry)
Research Projects as PI/Nodal Officer	4 Nos. Externally funded
Other Achievements if Any (Please Specify)	<p>Reviewer: Journal of Tropical Forest Science, Indian Journal of Agricultural Biochemistry, Journal of Food Science and Technology, Journal of Biochemistry and Plant Biotechnology, Biotechnology and Bioengineering, Journal of Advance Research etc.</p> <p>Presiding Officer, Antisexual Harassment Committee, SKUAST-J</p>