

Name	Dr. Moni Gupta
Designation	Professor and Head
Contact Address	Division of Biochemistry, Faculty of Basic Sciences, SKUAST-J Main Campus, Chatha, Jammu (J&K) -180009
Email	monigupta32@skuastj.org / moniguptaskuast@gmail.com
Mobile	9469160994
Professional Experience	23 years of teaching and research
Awards/Honours/Scholarships /Fellowships	<ul style="list-style-type: none"> • Best Women Scientist Award-2024 for contribution in science from year 2019-2024. • 2nd Prize ,Team Magic of Mushroom in Agrithon2024 • International Exposure visit to Lincoln University, Christchurch, New Zealand (2023) • International training in the Institute of Bioproduct Development, University Technology, Malaysia, Johor Bahru sponsored by IDP-NAHEP, ICAR (2023) • MOST , Republic of China sponsorship for International training workshop on Edible and Medicinal Mushroom Production, at Shanghai Academy of Agricultural Sciences.(2019) • DBT-Newton Bhabha fund to visit Cambridge University for women leadership in Agriculture (2016) • BiocARE fellowship for three years (2015-2018) • Fellow of Indian Society of Agricultural Biochemist
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>Manoj, B.S., Gupta, M., Nissa, T, Gupta, S and Salgotra, R.K. 2024.Chitosan Priming Ameliorates Protein and Amino Acid Profles in Red Kidney Bean under Drought Stress. <i>Journal of Plant Growth Regulation</i> https://doi.org/10.1007/s00344-024-11515-4 (NAAS rating 10.98)</p> <p>Manoj, B.S., Gupta, M., Gupta, S and Salgotra, R.K. 2024.Modulation of Antioxidant System Under Drought Conditions in Red Kidney Bean by Chitosan. <i>Journal of Plant Growth Regulation</i> https://doi.org/10.1007/s00344-024-11459-9 (NAAS rating 10.98)</p> <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</p>

	<p>(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> 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 Advance Research, 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, etc.</p> <p>Presiding Officer, Antisexual Harassment Committee, SKUAST-J from 2023</p>