

Name	<b>Dr. Sanjay Guleria</b>
Designation	<b>Professor and Former Head</b>
Contact Address	Division of Biochemistry, FBSc., SKUAST-J, Main Campus, Chatha Jammu (J&K)-180009
E- Mail	<a href="mailto:guleria71@gmail.com">guleria71@gmail.com</a>
Mobile	09469211245
Professional Experience	24 years
Awards/honours/ scholarships/ fellowships	<ul style="list-style-type: none"> <li>• Third rank in B.Sc. (Chemistry) Honours, H. P. University, Shimla</li> <li>• National/University merit scholarship in M.Sc.</li> <li>• M.Sc. Gold Medalist</li> <li>• Certificate of excellence in science awarded by Council of Scientific and Industrial Research (CSIR, INDIA) Complex Palampur (H.P.)</li> <li>• Qualified National Eligibility Test (NET) conducted by Indian Council of Agricultural Research (ICAR), New Delhi.</li> <li>• Santosh Shiksha Gold Medal, conferred by Himotkarsh Akademi, for standing first in M.Sc.</li> <li>• Vice-Chancellor's Appreciation Award for the year 2003.</li> <li>• Department of Science and Technology (DST), Government of India, Young Scientist Project Award (2004-2007) under fast track scheme for young scientists.</li> <li>• Fellow of the Indian Society of Agricultural Biochemists.</li> <li>• Department of Biotechnology, Govt. of India, Cutting-Edge Research Enhancement and Scientific Training (CREST) Award (2012-13).</li> <li>• Visiting Research Scientist, Centre for Biotechnology and Interdisciplinary Studies, Rensselaer Polytechnic Institute, Troy, New York, USA</li> <li>• Visiting Professor, University of Melbourne, Australia under ICAR-NAHEP fellowship.</li> </ul>
Area of specialization	Isolation and characterization of bioactive molecules from medicinal plants, Green synthesis of nano- particles, Nano encapsulation, Biotransformation of plant extracts, Metabolic engineering of microbes for useful compounds
Patent	Pharmaceutical composition with synergistic combination of <i>Thymus serpyllum</i> essential oil and antibiotic (Patent no. 445175)
Selected Publications	<p>Tripathi, M., Diwan, D., Shukla, A.C., Gaffey, J., Pathak, N., Dashora, K., Pandey, A., Sharma, M., Guleria, S., Varjani, S., Nguyen, Q.D., and Gupta, V.K. (2024). Valorization of dragon fruit waste to value-added bioproducts and formulations: a review. <i>Critical Reviews in Biotechnology</i>. <a href="https://doi.org/10.1080/07388551.2023.2254930">https://doi.org/10.1080/07388551.2023.2254930</a>. (<b>Impact factor: 8.1</b>)</p> <p>Prateeksha, P., Sharma, V.K., Singh, S.M., Sharma, M., Diwan, D., Hesham, A.E.L., Guleria, S., Nguyen, Q.D., Gupta, V.K. and Singh, B.N. (2023). Tetrahydrocannabinols: potential cannabimimetic agents for cancer therapy. <i>Cancer Metastasis Rev.</i> <a href="https://doi.org/10.1007/s10555-023-10078-2">https://doi.org/10.1007/s10555-023-10078-2</a>. (<b>Impact factor: 7.7</b>).</p> <p>Rana, A.K., Guleria, S., Gupta, V.K. and Thakur, V.K. (2023). Cellulosic pine</p>

	<p>needles-based bio-refinery for circular bio-economy. <i>Bioresource Technology</i>, 367:128255. <b>(Impact factor:9.7)</b>.</p> <p>Sharma, K., Guleria, S., Salaria, K.H., Majeed, A., Sharma, N., Pawar, K.D., Thakur, V and Gupta, V. (2023). Photocatalytic and biological properties of silver nanoparticles synthesized using <i>Callistemon lanceolatus</i> leaf extract. <i>Industrial Crops and Products</i>. 116951 <b>(Impact factor: 5.6)</b>.</p> <p>Majeed, A., Guleria, S., Sharma, N., Salaria, K.H., Aiman, F., Singh, B. and Gupta, V.K. (2023). Antioxidant capacity and combinatorial antimicrobial effects of <i>Nordostachys jatamansi</i> essential oil with conventional antibiotics against some drug resistant bacteria. <i>Current Research in Biotechnology</i>, 5: 100118. <b>(Impact factor: 3.6)</b></p> <p>Sharma, K., Guleria, S., Razdan, V.K. and Babu, V. (2020). Synergistic antioxidant and antimicrobial activities of essential oils of some selected medicinal plants in combination and with synthetic compounds. <i>Industrial Crops and Products</i> (Elsevier). doi: <a href="https://doi.org/10.1016/j.indcrop.2020.112569">https://doi.org/10.1016/j.indcrop.2020.112569</a> <b>(I.F. 5.6)</b></p> <p>Sharma, K., Guleria, S., Razdan, V.K. (2020). Green synthesis of silver nanoparticles using <i>Ocimum gratissimum</i> leaf extract: Characterization, antimicrobial activity and toxicity analysis. <i>Journal of Plant Biochemistry and Biotechnology</i> (Springer). 29: 213-224. <b>(I.F. 1.6)</b></p>
No. of Books/Book chapters/manuals/monographs	10
Research Projects handled/in hand as PI/Nodal officer	3 No.
Reviewer of Journals	Pharmaceutical Biology, <i>Industrial Crops and Products</i> (Elsevier), <i>Crop Protection</i> (Elsevier), <i>Plos One</i> , <i>Journal of Plant Biochemistry and Biotechnology</i> (Springer), <i>British Journal of Pharmaceutical Research</i> , <i>Journal of Applied Microbiology</i> , <i>Journal de Mycologie Medicale</i> , <i>Fitoterapia</i> , <i>Journal of Essential oil Research</i> , <i>Nutrition and Food Science</i> , <i>BMC Complementary and Alternative Medicine</i> , <i>Journal of Biological Diversity</i> , <i>Journal of Functional Foods and Food Science and Technology</i> , <i>Critical Reviews in Biotechnology</i> , <i>Chemical Physics Impact</i> ,
Additional responsibilities	Incharge, Counselling and Placement Cell, SKUAST Jammu HR Executive Officer, Career Development Center, SKUAST Jammu