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| Name | Dr. Sanjay Guleria |
| Designation | Professor & Head |
| Contact Address | Division of Biochemistry, FBSc., SKUAST-J, Main Campus, Chatha Jammu (J&K)-180009 |
| E- Mail | guleria71@gmail.com |
| Mobile | 09469211245 |
| Professional Experience | 20 years |
| Awards/honours/scholarships/fellowships | <ul style="list-style-type: none"> ● Third rank in B.Sc. (Chemistry) Honours, H. P. University, Shimla ● National/University merit scholarship in M.Sc. ● M.Sc. Gold Medalist ● Certificate of excellence in science awarded by Council of Scientific and Industrial Research (CSIR, INDIA) Complex Palampur (H.P.) ● Qualified National Eligibility Test (NET) conducted by Indian Council of Agricultural Research (ICAR), New Delhi. ● Santosh shiksha gold medal, conferred by Himotkarsh Akademi, forstanding first in M.Sc. ● Vice-Chancellor's Appreciation Award for the year 2003. ● Department of Science and Technology (DST), Government of India, Young Scientist Project Award (2004-2007) under fast track scheme for young scientists. ● Fellow of the Indian Society of Agricultural Biochemists. ● Department of Biotechnology, Govt. of India, Cutting-Edge Research Enhancement and Scientific Training (CREST) Award(2012-13). ● Visiting Research Scientist, Centre for Biotechnology and Interdisciplinary Studies, Rensselaer Polytechnic Institute, Troy, New York, USA |
| 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 |
| Total no. of publications | 47 |
| Selected Publications (5) | <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: https://doi.org/10.1016/j.indcrop.2020.112569 (I.F. 4.191; NAAS rating: 10.19)</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. (I.F. 1.038; NAAS rating: 7.04)</p> <p>Chouhan, S., Sharma, K., Zha, J., Guleria, S and Koffas, M.A.G. (2017). Recent advances in the recombinant biosynthesis of polyphenols. <i>Frontiers in Microbiology</i>. doi: 10.3389/fmicb.2017.02259. (I.F. 4.259; NAAS rating: 10.26)</p> <p>Wang, J., Guleria, S., Koffas, M.A.G. and Yan, Y. (2016). Microbial production of value-added nutraceuticals. <i>Current Opinion in Biotechnology</i> (Elsevier, USA). 37, 97-104. (I.F. 8.083; NAAS rating: 14.08)</p> <p>Cress, B.F.; Toparlak, O.D.; Guleria, S.; Lebovich, M.; Stieglitz, J.T.; Englaender, J.A.; Jones, J.A.; Linhardt, R.J. and Koffas, M.A.G. (2015). CRISPathBrick: Modular combinatorial assembly of type II-A CRISPR arrays for dCas9 mediated multiplex repression in E. coli. <i>ACS Synthetic Biology</i> (USA). DOI: 10.1012/acssynbio.sb00012. (I.F. 5.571; NAAS rating: 11.57)</p> |
| No. of Books/Book chapters/manuals/Monographs | 9 |
| Research Projects handled/in hand as PI/Nodal officer | 3 |
| Reviewer of Journals | Pharmaceutical Biology, Industrial Crops and Products (Elsevier), Crop Protection (Elsevier), Plos One, Journal of Plant Biochemistry and Biotechnology (Springer), British Journal of Pharmaceutical Research, Journal of Biologically active Products from Nature, Journal of Applied Microbiology, National Academy Science Letters, Journal of Nuts, Mediterranean Journal of Chemistry, Journal de Mycologie Medicale, Fitoterapia, Journal of Infection in Developing Countries, Journal of Essential oil Research, Nutrition and Food Science, BMC Complimentary and Alternative Medicine, Journal of Biological Diversity, Journal of Functional Foods and Food Science and Technology |