

Dr. Reena Kumari

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Specialization : Plant Biotechnology and Molecular biology

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Research Publications:

- Dhiman K, Sharma D, Kumari R and Tomar P. 2023. Biofortification of crops using microbes – a promising sustainable agriculture strategy. *J Plant Nutr.* (NAAS Rating 8.28)
- Kumari R, Zangmo K, Jamra H, Dhiman K and Sharma V. 2022. Assessment of phytochemicals and phenylalanine ammonia Lyase activity of *Punica granatum* L. *The Pharm Innov J.* 11(5): 31-35.(NAAS Rating 5.23)
- Swaran Lata, Reena Kumari*, Kalpna Thakur, Maneet Rana and Waseem Hussain. 2022. Development of tryptophan rich maize lines through simple sequence repeat marker aided introgression of opaque2 trait. *Electr J. Plant Breed.*13(2) : 295- 304. (NAAS Rating 5.14)
- Nisha Palia, Maneet Rana, Akshita Awasthi, Reena Kumari, Zahoor Dar and Swaran Lata. 2020. Assessment of genetic diversity and population structure among north-eastern and north-western himalayan maize landraces using morphological and molecular markers. *The Bioscan* 15(1): 113-122. (NAAS Rating (2021): 5.23)
- Kumari R, Nath A.K, Sharma N.N and Sharma S. 2017. Cloning, Sequencing and Structural properties of bowman birk trypsin inhibitor gene from seeds of *Dolichos biflorus* L. cultivar HPK4. *The Bioscan* 12(4): 1819-1824. (NAAS Rating (2021): 5.23)
- Thakur N, Prakash J, Thakur K, Sharma J K, Kumari R, Rana M and Lata S. 2016. Genetic diversity and structure of maize accessions of north western Himalayas based on morphological and molecular markers. *Proceeding of the National Academy of Sciences.* 87(4):1385–1398 NAAS rating(2018): 6.0

- Nath A.K, Kumari R, Sharma S and Sharma H. 2015. Biological activity of *Dolichos biflorus* L. trypsin inhibitor against lepidopteron insect pest. *Indian J Exp Biol.* 53:594-599 (NAAS Rating 6.94)
- Thakur N, Kumari R, Prakash J, Sharma J.K, Singh N and Lata S. 2015. Evaluation of elite maize genotypes (*Zea mays* L.) for nutritional traits. *Electr J. Plant Breed.* 6 (1): 350-354 (NAAS Rating 5.14)
- Reena Kumari, Amarjit K Nath and Shilpa Sharma. 2014. Trypsin inhibitor activity in developing and germinating seeds of *Dolichos biflorus* L. *Journal of Food Legumes* 27(3): 264-267 (NAAS Rating:4.89)
- Pratima Sharma, Amarjit K Nath, Reena Kumari, S V Bhardwaj. 2012. Purification, Characterization and evaluation of insecticidal activity of trypsin inhibitor from *Albizia lebbeck* seeds. *J For Res* 23:131-137 (NAAS Rating 8.36)

Awards/ Recognitions

1. National fellowship awarded by UGC for PhD programme in 2010
2. ARS NET qualified in 2013
3. Uma Datt Mamgain Memorial best research award for PhD by society for advancement of human and nature and Life membership of Honorary board of the society in 2014
4. Award for research paper by editorial board of journal of forestry research, China in 2015
5. Awarded with the fellowship for young scientist by Chief Editor of Global Journal of Engineering, Sciences and Social science studies in 2022