



Meenu Goyal (M.Sc., Ph.D.)

Assistant Professor

Department of Biotechnology,
Central University of Haryana, Jant-Pali

Mahendergarh,-123031, Haryana

E-mail: meenugoyal@cuh.ac.in

[Mobile: + 91-9466747763](tel:+919466747763)

Research Interests

Identification of QTL(s) associated with abiotic stress tolerance in wheat with focus on drought stress and heat stress tolerance, transcription profiling of key genes involved in starch biosynthesis in grain under varying climatic conditions, cloning and characterization of heat stress related genes in wheat. Our work will help to elucidate molecular basis of abiotic stress tolerance in wheat and to develop stress resilient genotypes.

Selected Publications:

1. Kumar, P., Boora, K. S., Kumar, N., Batra, R., Goyal, M., Sharma, K. D., & Yadav, R. C. (2018). Traits of significance for screening of chickpea (*Cicer arietinum* L.) genotypes under terminal drought stress. *Journal of Agrometeorology*, 20(1), 40-45.
2. Kumar, P., Goyal, M., Boora, K. S., & Dhillon, S. (2018). Molecular characterization and identification of unique alleles for thermo-tolerance in wheat varieties. *Romanian Biotechnological Letters*, 23(1), 13264-13270.
3. Goyal, M., Chauhan, S., Ankush, P. G., & Prabha, J. (2018). Structural modeling of shikimate pathway enzymes for herbicide and drug development: A review.
4. Goyal, M., Citu, C., & Singh, N. (2018). *In silico* identification of novel drug targets in *Acinetobacter baumannii* by subtractive genomic approach. *Asian Journal of Pharmaceutical and Clinical Research*, 11(3), 230-236.
5. Pardeep, K., Boora, K. S., Krishan, K., Meenu, G., Neeraj, K., & Sharma, K. D. (2017). Selection of early segregating progeny lines of chickpea (*Cicer arietinum* L.) for high yield under terminal drought stress conditions. *Electronic Journal of Plant Breeding*, 8(3), 916-921.
6. Goyal, M., Chauhan, S., & Kumar, P. (2017). In silico analysis, structural modeling and phylogenetic analysis of EPSP synthase of *Phaseolus vulgaris*. *Agricultural Science Digest*, 37(3), 185-190.
7. Goyal, M., Gautam, R., Kumar, P., & Dhillon, S. (2015). Application of inter simple sequence repeat markers to analyze molecular relationships in wheat (*Triticum aestivum* L. em. Thell). *Agricultural Science Digest*, 35(3), 195-198.
8. Goyal, M., Kumar, P., & Dhillon, S. (2015). Molecular Marker analysis Reveals Genetic Diversity among Wheat (*Triticum aestivum* L. em. Thell) Genotypes varying for Thermo-Tolerance. *Vegetos-An International Journal of Plant Research*, 28(4), 54-61.

Nucleotide sequences contributed to GenBank: Accession numbers : KT149216, KT149217, KT149218 and KT149219