

PUBLICATIONS (2017-18)

Book (authored/edited)

- Singh, K.P., Kumar, A. and Kumar, U. (2018). *Medicinal Plant of Uttarakhand* (in 3 volumes). ASTRAL Daya Publishing House, New Delhi, India: P 1512.
- Nehra, K.S, Jangra, M.R., and Jangra, S. (2018). *A handbook of biotechnological techniques*. Lambert Academic Publishing, Germany: P 173.

Manual

- Use of Biotechnology & Bioinformatics Tools for Genome Analysis (2017)
- Plant Tissue Culture, Genomics and Computational Tools for Crop Improvement (2017)

Book Chapter

1. Yadav, N. R. and Yadav, R.C. (2017). Biotechnology and Bioethics: Where we are going? In: Professional Bioethics (Chamola, S.D.) (eds.). Studera Press: 53-64.
2. Jangra, S., Mishra, A., Kamboj, D., Yadav, N.R. and Yadav, R.C. (2017). Engineering Abiotic Stress Tolerance Traits for Mitigating Climate Change. In: Plant Biotechnology: Recent Advancements and Developments (Gahlawat et.al.) (eds.) Springer, Singapore: 59-73.
3. Kharb, P. and Mitra, C. (2017). Early Sex Identification in Date Palm by Male-Specific Sequence-Characterized Amplified Region (SCAR) Markers. In: Date Palm Biotechnology Protocols Volume-II. Methods in Molecular Biology (Al-Khayri, J., Jain, S., Johnson, D.) (eds). Humana Press, New York, NY: 199-207.
4. Kumar, U., Priyanka and Kumar, S. (2017) Wheat Cytogenetics: Present Status & Future Prospectives. In: Wheat A Premier Food Crop (Kumar, A., Kumar, A. and Prasad, B.) (eds.) Kalyani Publishers, Ludhiana, India: 1-22.

Bulletins/ Manuals

- Kharb, P. (2018). Development of Transgenic Chickpea and Pigeon Pea Plants for Biotic and Abiotic Stress Tolerance. South Asia Biosafety Program Newsletter | Vol 15 | No 5 | May 2018; pp3

Popular articles

- Jangra, S. and Meena, R. K. (2017). Real time PCR and its applications. *Agrobios Newsletter*, 15(12):14-15.
- Meena, R. K. and Jangra, S. (2017). Brief overview of genomics in agriculture. *Agrobios Newsletter*, 15(12):11-14.
- Priti, Kamboj, D., Jangra, S., Aditi and Meena, R.K. (2017). Success and challenges for crop improvement. *Agrobios Newsletter*, 15(1): 83-84.
- Jangra, S. Kamboj, D., Priti, Aditi and Meena, R. K. (2017). Drought stress and present scenario. *Agrobios Newsletter*, 16(4): 39-40.

Research papers

Sr. No.	Details of Research paper
1	Chaudhary, S., Yashveer, S., Dinesh, Prajapati, D.R., Kharb, P. and Kamboj, M.C. (2018). Utilization of SSR Markers for Seed Purity Testing in Popular Maize Hybrids. <i>International Journal of Current Microbiology and Applied Sciences</i> 7(4): 1117-1126.
2	Gupta, N., Rani, G., Redhu, N.S, and Kumar, S. (2018). <i>In Silico</i> characterization and modeling of <i>Drosophila melanogaster</i> chitin synthase, <i>International Journal of Chemical Studies</i> 6(2): 1903-1909.

3	Gupta, N., Rani, G., Redhu, N.S. and Kumar, S. (2018). <i>In Silico</i> characterization and modeling of <i>Drosophila melanogaster</i> krotzkopf verkehrt protein <i>International Journal of Chemical Studies</i> 6(2): 3283-3291.
4.	Hemender, Yashveer, S., Sangwan, V.P.S., Sharma, S. and Mor, V.S. (2018). Molecular Diversity Analysis based on 4 Microsatellite Markers in Pearl millet Hybrids [<i>Pennisetum glaucum</i> (L.) R. Br.] and their Parental Lines. <i>Indian Journal of Ecology</i> 45(1):146-151.
5	Kumar, A., Kumar, R., Sharma, M., Kumar, U., Gajula, M.N.V.P. and Singh, K. P. (2018) Uttarakhand Medicinal Plant Database (UMPDB): A Platform for Exploring Genomic, Chemical and Traditional Knowledge. <i>Data</i> 3(1) 1-10.
6	Mathpal, P., Kumar, U., Kumar, A., Kumar, S., Malik, S., Kumar, N., Dhaliwal, H. S., Kumar, S. (2018) Identification, expression analysis and molecular modeling of Iron deficiency specific clone 3 (Ids3) like gene in hexaploid wheat. <i>3 Biotech</i> 8 (4): 1-11.
7	Priyanka, Kumar, U., Kumar, A., Kumar, A. and Malik, V. (2018). <i>In vitro</i> propagation of economically important some Indian Himalayan medicinal plant species for conservation and commercialization. <i>Journal of Plant Development Sciences</i> 10 (4): 197-206.
8	Rani, G., Gupta, N., Redhu, N.S. and Kumar, S. (2018). Ecdysone Receptor Present in Insects is a Novel Target for Insecticide. <i>International Journal of Current Microbiology and Applied Sciences</i> 7(5): 1548-1553.
9	Yadav, S., Yashveer, S., Solanki, Y.P.S. and Singh, V. (2018). Phenotyping and microsatellite marker analysis of HD 2851 (salt sensitive) × Kharchia 65 (salt tolerant) F2 population for salinity tolerance. <i>Indian Journal of Plant Physiology</i> 23(1): 57-64.
10	Hegde, V., Partap, P.S. and Yadav, R.C. (2017). <i>In vitro</i> Androgenesis in Capsicum (<i>Capsicum annum</i> L.) <i>International Journal of Current Microbiology and Applied Sciences</i> 6(5): 925-933.
11	Hegde, V., Partap, P.S. and Yadav, R.C. (2017). <i>In Vitro</i> Regeneration of Capsicum (<i>Capsicum annum</i> L.) from Cotyledon Explants. <i>International Journal of Current Microbiology and Applied Sciences</i> 6(5) 225-237.
12	Hegde, V., Partap, P.S. and Yadav, R.C. (2017). Plant Regeneration from Hypocotyl Explants in Capsicum (<i>Capsicum annum</i> L.) <i>International Journal of Current Microbiology and Applied Sciences</i> 6(7): 545- 557.
13	Jangra, S., Kamboj, D., Priti, Meena, R.K. and Yadav, R. C. (2017). GM Crops: The need of tomorrow's. <i>International Journal of Agriculture, Environment and Biotechnology</i> 2(2): 83-94.
14	Kumar, S., Modi, A. R., Parekh, M. J., Mahla, H. R., Sharma, R., Fougat, R. S., Yadav, D., Yadav, N. R., Patil, G. B. (2017). Role of conventional and biotechnological approaches for genetic improvement of cluster bean. <i>Industrial Crops and Products</i> 97:639-648.
15	Mamatha, N.C., Tehlan, S.K., Srikanth, M. Ravikumar, T., Yashveer, S. and Kumar, M. (2017). Assessment of genetic diversity among Fenugreek (<i>Trigonella foenum-graecum</i> L.) genotypes using SSRs markers. <i>International Journal of Current Microbiology and Applied Sciences</i> 6(6): 2565-2572.
16	Meena, R.K., Jangra, S., Wadhwa, Z., Monika and Wati, L. (2017). Role of Plant Volatiles in Defense and Communication. <i>International Journal of Current Microbiology and Applied Sciences</i> 6(4): 300-313.
17	Priyanka, Redhu, R.S., Chawla, V., Yadav, N. R. and Dipti (2017). Identification of Molecular Markers for Karnal Bunt Resistance by Using RGAP in Wheat (<i>Triticum aestivum</i> L. em. Thell) <i>International Journal of Pure & Applied Biosciences</i> 5 (4): 1850-1856.
18	Rani, R., Jangra, S., Wadhwa, Z. and Rani, A. (2017). Various metabolic changes during differentiation in callus culture of <i>Chlorophytum borivilianum</i> . <i>International Journal of Agriculture, Environment and Biotechnology</i> 2: 251-257.
19	Shivaprasad, M.K., Tehlan, S.K., Kumar, M., Batra, V.K. and Yashveer, S. (2017). Correlation and Path Coefficient Studies in Coriander for Yield and Yield Attributing Traits. <i>International Journal of Current Microbiology and Applied Sciences</i> 6(6):3593-3599.
20	Singh, V., Yadav, N.R. and Singh, J. (2017). Role of Genomics tools for Mungbean [<i>Vigna radiata</i> (L.) Wilkzek.]. <i>Legume Research</i> 40 (4): 601-608
21	Singh, V., Yadav, R.K., Yadav, N.R., Yadav, R., Malik, R.S. and Singh, J. (2017). Identification of genomic Regions/genes for high iron and zinc content and cross transferability of SSR markers in mungbean (<i>Vigna radiata</i> L.) <i>Legume Research</i> 40(6): 1004-1011.
22	Wadhwa, Z., Srivastava, V., Rani, R., Tanvi, Makkar, K. and Jangra, S. (2017). Isolation and Characterization of <i>Rhizobium</i> from Chickpea (<i>Cicer arietinum</i>). <i>International Journal of Current Microbiology & Applied Science</i> 6(11): 2880-2893.