

## Personal brief profile of Dr. Gurdev Chand

Name	DR. GURDEV CHAND
Designation	Professor & Head
Office Address	Division of Plant Physiology, SKUAST-J, FBSc, Main campus, Chatha-180009, Jammu (J&K)
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Mobile No/ Contact No	91+ 9419164417
Professional Experience	18 years
Honours/awards/Fellowships/Scholarships	Scholarships: <b>02</b> Awards: <b>07</b>
Area of specialization	Abiotic stress responses in crops and reproductive biology.
Research interest	Abiotic stress responses in crops/Horticulture plants. Expertise in Hydroponics NFT/Aquaponics/Aeroponics/Fodder production
Total no. of Publications	32
Selected Publication	<ul style="list-style-type: none"> <li>❖ <b>G., Chand</b>, AS., Nandwal, N., Kumar, S., Devi, S., Khajuria (2018).Yield and physiological responses of mungbean <i>Vigna radita</i> (L.) Wilczek genotypes to high temperature at reproductive stage. <i>Legume Research-An International Journal</i>, <b>41</b> (4), 557-562.</li> <li>❖ S., Ola, N., Sharma, BC., Sharma, A., Kumar, <b>G., Chand</b> and R., Puniya (2019). Optimization of phosphorus and potassium levels for productivity enhancement of fine rice in irrigated sub tropics of Jammu. <i>Journal of Pharmacognosy and Phytochemistry</i>, <b>8</b> (2), 1329-1332.</li> <li>❖ S., Dogra, <b>G., Chand</b> and BK., Sinha (2018). Physiological and biochemical traits as tools to screen sensitive and resistant genotypes of Brassica juncea exposed to drought stress. <i>Journal of Pharmacognosy and Phytochemistry</i>, <b>7</b> (5), 877-884.</li> <li>❖ Banoo, M., Sinha, B. K., Kumar, J., Reena, <b>Chand, G.</b>, and Dogra, S. (2019). Effect of paclobutrazol and partial root drying technique on water use efficiency in tomato (<i>Solanum Lycopersicum</i> L.). <i>Indian Journal of Ecology</i>, <b>7</b>: 86-90.</li> <li>❖ Sinha, B. K., <b>Chand,G.</b>, Reena, Kumar, V. (2019). Different degree of drought stress affects morpho-reproductive growth in wheat (<i>Triticum aestivum</i> L.). <i>International Journal of Current Microbiology and Applied Sciences</i>, <b>8(6)</b>:1047-1053.)</li> <li>❖ <b>G., Chand</b> and C., Prava (2015). Nitrate reductase activity in different moisture tolerant genotypes of maize (<i>Zea mays</i> L.) in flooding and non-flooding regimes. <i>Soil And Water Conservation</i> <b>14</b> (1), 69-73.</li> </ul>
No. of Books/ Book Chapters/ Manuals/ Monographs/ leaflets	Books: <b>01</b> , Practical Manuals: <b>02</b> , Book Chapters: <b>12</b> , Technical Bullettins: <b>15</b> Article in Paper: <b>01</b> Chapter in training manual: <b>15</b> Invited Lecture delivered: <b>22</b> Abstract in National/International Conferences: <b>45</b> Life member of professional Society: <b>07</b> Summer/Winter school attended: <b>07</b> Courses Taught: all UG/PG/Ph.D courses offered from the Division of Plant Physiology and other Divisions, Diagnostic field visits: <b>25</b> .
Prototype developed	NFT hydroponics systems: <b>06</b> , Drum seeder: <b>01</b> and Fodder production unit: <b>02</b>
Consultancy	For developing prototypes of NFT hydroponics system/ Aquaponics/Aeroponics/Fodder production units commercial as well as farmers use viz. Punjab (Panchkula, Chandigarh, Ludhiana and Amritsar and J&K.
Capacity building programme/Department Trainings/Farmers trainings	Capacity building programme to KVK staff: <b>02</b> , Departmental training: <b>05</b> and farmers trainings: <b>31</b>
Research projects as PI/ Nodal Officer	09 ; Technology developed : <b>04</b>
Variety Released (collaboration)	Maize (JMC-3) PMSY
Student Guided/Guiding	Major Advisor: <b>06</b> Minor Advisor/ Dean's Nominee: UG- <b>08</b> , M.Sc.- <b>22</b> and Ph.D - <b>18</b>