

Faculty Profile Information

Name	:	Dr. Rajeev Bharat
Designation	:	Professor cum Chief Scientist-Agronomy, AICRP (Rapeseed Mustard)
Contact Address	:	Division of PBG, SKUAST-Jammu, Main Campus, Chatha
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Professional Experience		15 years and 8 months
Awards/honours/scholarships/fellowships		NET-ASRB, Merit scholarship for pursuing Ph.D. by SKUAST-Jammu
Area of specialization		Mustard Agronomy, Herbicide Resistance, Weed Management and Nano-fertilizer-technology
Research Interests		Oilseed Agronomy , Weed Science, Nano-fertilizer technology
Total no. of Publication (referred journal)		55 (till date)
Selected Publications (Best ten)		<ol style="list-style-type: none"> 1. Rajeev Bharat, Meenakshi Gupta, Vikas Gupta and S.K. Rai (2022) Effects of different sowing schedules and planting geometry on yield and productivity of Indian Mustard (<i>Brassica juncea</i> L.), <i>Bangladesh Journal of Botany</i>, 51 (3): 631-635 2. Vikas Gupta, Meenakshi Gupta, S.S. Sandhu, Mahender Singh, Sarabdeep Kour, Rajeev Bharat, A.P. Singh, Parmendera Singh and Brinder Singh (2022) Evaluation of wheat varieties and their validation through CERES-Wheat model under lower foothills of Siwalik range of N-W Himalayas, <i>Agricultural Mechanization in Asia</i>, Vol. 53 (02), pp. 6051-6065 3. Vikas Gupta, Meenakshi Gupta, Rajeev Bharat, Mahender Singh, Sarabdeep Kour and B.C. Sharma (2021) Effect of sowing environments and N-Levels on wheat varieties under irrigated region of Jammu, <i>Indian Journal of Agricultural Sciences</i>, 91 (4): 515-20 (NAAS Rating: 6.25) 4. Vikas Gupta, Meenakshi Gupta, Rajeev Bharat, Mahender Singh and B.C. Sharma (2020) Performance of wheat (<i>Triticum aestivum</i>) varieties under different thermal regimes and N-levels under Lower Shivalik Foothills, <i>Indian Journal of Agricultural Sciences</i>, 90 (4) 775-779 5. Rajeev Bharat and Dileep Kachroo (2007) Effect of different herbicides on mixed weed flora, yield and economics of wheat (<i>Triticum aestivum</i>) under irrigated conditions of Jammu, <i>Indian Journal of Agricultural Sciences</i>, 77 (6): 383-386. 6. Meenakshi Gupta, Sarabdeep Kour, Vikas Gupta, Rajeev Bharat and Charu Sharma (2017) Production performance of linseed (<i>Linum usitatissimum</i> L.) varieties under different fertility levels. <i>Bangladesh journal of Botany</i>, 46 (2): Pp. 817-821 7. Kour, Sarabdeep., Gupta, Meenakshi, Bharat, Rajeev and Sharma, Vikas Gupta (2017) Effect of Zinc and Boron on yield, nutrient uptake and economics of

		<p>mustard (<i>Brassica Juncea</i> L.) in Mustard-Maize cropping sequence <i>Bangladesh Journal of Botany</i> 46 (2): Pp. 817-821</p> <p>8. Rajeev Bharat and Dileep Kachroo (2007) Bio-efficacy of various herbicides and their mixtures on weeds and yield of wheat (<i>Triticum aestivum</i>) under subtropical agro ecosystem, <i>Indian Journal of Agronomy</i>, 52 (1): 53-59.</p> <p>9. Rajeev Bharat, Meenakshi Gupta, Vikas Gupta and Rahul Gupta (2022) Effect of sowing schedules and crop geometry on photo-thermal energy utilization and productivity of Indian mustard (<i>Brassica juncea</i>) in Jammu region, <i>Indian Journal of Agronomy</i>, 67 (3):287-293</p> <p>10. Rajeev Bharat, Dileep Kachroo, Rohit Sharma, M.Gupta and Anil Kumar Sharma (2012) Effect of different herbicides on weed growth and yield performance of wheat, <i>Indian Journal of Weed Science</i>; 44 (2):106-109</p>
No. of books/manuals/Monographs		7 no.
Research Projects as PI/Co-PI/Associated Scientist		6 no.
Other achievements if any (please specify)		<p>A total of 8 technologies/recommendations made on Agronomy aspects at AICRP-RM level during the period between 2012 to 2023. Six agronomic recommendations for Zone II between 2012 to 2020 for crop management aimed at yield maximization through optimization of crop geometry, temporal adjustments and fertility requirement in changing climate scenario for Giriraj variety, irrigation water management based on climatological approach (IW/CPE ratio) with use of hydrogel, use of salicylic acid and hydrogel for moisture stress mitigation in Indian mustard. The recommendation's on use of 0.05% thio-urea for moisture stress mitigation in rapeseed mustard at flowering and siliquae formation stage in Indian mustard and use of oxyfluorfen @ 0.15 kg a.i. per hectare for control of weeds through use of herbicides included in the Package & Practices of SKUAST-Jammu for the benefit of farmers of Jammu region.</p>
Courses being taught at UG/PG/Ph.D. level		Agron 111, Agron 223, Agron 501 and Agron 601
Student guided so far		<p>2 no. (M.Sc.) as Major Advisor</p> <p>20 no. (M.Sc.) as Co- Advisor</p> <p>5 no. (Ph.D.) as Co-advisor</p>