


Curriculum Vitae

Full Name	Dr Jagmohan Singh Rawat	
Designation	Assistant Professor	
Department	Horticulture	
Mobile	+91 9412948487	
Email	jms_rawat99@yahoo.co.in	
Date of Birth	10.06.1978	
Educational Qualification	M.Sc., Ph.D. in Horticulture with specialization in Fruit Science	
Teaching Experience	16 Years	
Research Interest and Fields of Specialization 1. Horticulture 2. Fruit Science 3. Under-Utilized Horticultural Crops 4. Post Harvest Management		
Honours & Awards 1. Gold Medalist, M.Sc. (Horticulture)		
Research Supervision (M.Sc. Research Supervision): 09 Projects: <ul style="list-style-type: none"> • Development of small nursery of <i>Cinnamomum tamala</i> funded by Herbal Research and Development Institute, (HRDI) Mandal Gopeshwar, Uttarakhand (Rs. 4.00 Lac, Year-2011, Co-PI of project) 		
Administrative Experience: <ol style="list-style-type: none"> 1. Head 2. Principal In-Charge 3. Nodal Officer RUSA 4. Chief Proctor 5. Officer-In-Charge PFMS 6. Officer-In-Charge GeM 7. Nodal Officer MIS 8. Horticulturist 		
Conference/Symposium/Workshops Attended during the last 5 years: Total-15		
Conference/Symposium/Workshop Organized during last five years (Nos.):		
Scientific/Research publications <ol style="list-style-type: none"> 1. Bhupendra Singh and JMS Rawat (2007). Estimation of morpho-chemical contents of <i>Phyllanthus emblica</i> L. – fruits from four different sites. <i>Forests, Trees and Livelihoods</i>, 17: 255-259. (ISSN 1472-8028). RG Journal Impact: 1.12 * 2. JMS Rawat, Y K Tomar, S S Rawat (2008). Effect of stratification on seed germination and seedling performance of wild Pomegranate. <i>Progressive Agriculture</i>, 8(1): 15-16. (ISSN 0972-6152). (NAAS) Rating 2017: 4.29, Research Impact Indicator: 0.015 3. S Ahmad, Y K Tomar, JMS Rawat and Vidyawati Rawat (2008). Physico-chemical studies of some Aonla (<i>Emblica officinalis</i>) cultivars. <i>Advances in Plant Sciences</i>, 23 (1): 129-130. (ISSN 0970-3586). 4. JMS Rawat, Y K Tomar, S S Rawat and Vidyawati Rawat (2008). <i>Myrica esculenta</i> D. Don: a popular wild fruit in the hills of Uttarakhand. <i>Green Farming</i>, 1(20): 115-119. (ISSN 0974-0775). 5. B Singh, S Prasad, A K Uniyal and JMS Rawat (2009). Effect of Seed Maturity on Germination and Seedling Growth of <i>Albizia lebbek</i> (L) Wild. <i>Bulletin of the National Institute of Ecology</i>, 19: 1-4. (ISSN 0379-7937). 6. JMS Rawat, Y K Tomar and Vidyawati Rawat (2009). Effect of pretreatments on <i>Myrica esculenta</i> D. Don (Kaphal) seed germination and seedling performance. <i>Forests, Trees and Livelihoods</i>, 19: 193-197. (ISSN 1472-8028). 7. Manoj Sharma, Vidyawati Rawat, JMS Rawat and Y K Tomar (2010). Effect of pruning intensity on peach yield and fruit quality. <i>Scientia Horticulturae</i>, 125: 218–221. (ISSN 0304-4238). Impact Factor: 1.961, scopus indexed 8. V Rawat, Y K Tomar and JMS Rawat (2010). Influence of foliar application of micronutrients on the fruit 		

- quality of guava cv Lucknow-49. *Journal of Hill Agriculture*, 1(1): 63-66. (ISSN 0976-7606). NAAS Rating 4.94, Global Impact Factor 0.683
9. V Rawat, Y K Tomar and JMS Rawat (2011). Influence of foliar application of micronutrients on the quantitative characters of guava cv Lucknow-49. *Green Farming*, 2(1): 47-49. (ISSN 0974-0775).
 10. JMS Rawat, V Rawat and Y K Tomar (2011). Seed germination and seedling performance of *Rubus ellipticus* (Smith) as influenced by various pre-treatments. *Journal of Hill Agriculture*, Vol. 2(1): 119-121. (ISSN 0976-7606). NAAS Rating 4.94, Global Impact Factor 0.683
 11. Manjit Singh, D K Rana, JMS Rawat and S S Rawat (2011). Effect of GA₃ and kinetin on growth, yield and quality of sprouting broccoli (*Brassica oleracea* var. *italica*). *Journal of Horticulture and Forestry* Vol. 3(9), pp. 282-285(ISSN 2006-9782).
 12. K.K. Singh, JMS Rawat and Y.K. Tomar (2011). Influence of IBA on Rooting Potential of Torch Glory *Bougainvillea glabra* During Winter Season. *Journal of Horticultural Science & Ornamental Plants*, 3 (2): 162-165 (ISSN 2079-2158).
 13. Bhupendra Singh, A. K. Uniyal, JMS Rawat and D. K. Rana (2012). Estimation of genetic variability in *Phyllanthus emblica* L. - Towards a contribution in sustainable rural development. *Journal of Horticulture and Forestry*. Vol. 4(5), pp. 92-95. ISSN 2006-9782.
 14. JMS Rawat, YK Tomar and SS Rawat (2012). Characterization of wild pomegranate (*Punica protopunica* L.) of Garhwal Himalaya. *Progressive Horticulture*, Vol. 44(1): 52-54 (ISSN-0970-3020). Impact factor-0.765
 15. K.K. Singh, JMS Rawat, Y.K. Tomar and Prabhat Kumar (2013). Effect of IBA concentration on inducing rooting in stem cuttings of *Thuja compecta* under mist house condition. *HortFlora Research Spectrum*, 2(1): 30-34 (ISSN- 2250-2823).
 16. K.K. Singh, V. Rawat, JMS Rawat, Y.K. Tomar and Prabhat Kumar (2013). Effect of IBA and NAA concentrations on rooting in stem cuttings of night queen (*cestrum nocturnum* l) under sub-tropical valley conditions. *HortFlora Research Spectrum*, 2(1): 81-83 (ISSN- 2250-2823).
 17. J.M.S. Rawat, K. K. Singh, V. Rawat and Bhupendra Singh (June 2014). Effect of methods of IBA application on rooting performance of crape jasmine (chandani) softwood cuttings. *HortFlora Research Spectrum*, 3(2): 146-149 (ISSN- 2250-2823). *Global Impact Factor: 0.471*
 18. K. K. Singh, T. Choudhary, Prabhat Kumar and J.M.S. Rawat (March 2014). Effect of iba for inducing rooting in stem cuttings of *Duranta golden*. *HortFlora Research Spectrum*, 3(1): 77-80
 19. Singh, K.K.,Tomar,Y.K. and Rawat, J.M.S. (February 2015). Study on the effect of different planting time and various concentration of IBA on the rooting of phalsa (*Grewia asiatica* L) stem cutting under different growing condition. *International Journal of Current Research*, Vol. 7, Issue, 02, pp.12674-12679. (ISSN: 0975-833X). SJIF impact factor 7.749
 20. H. Tarula, J.M.S. Rawat, Krishan Kumar Singh, Vidyawati Rawat and Bhupendra Singh (March 2015). Effect of postharvest treatments on quality and shelf life of aonla cultivars. *HortFlora Research Spectrum*, 4(1): 17-21 (ISSN- 2250-2823).
 21. K. K. Singh, J S Chauhan, J.M.S. Rawat and D K Rana. (2015). Effect of different growing conditions and various concentrations of IBA on the rooting and shooting of hardwood cutting of phalsa (*Grewia aetica* L.) under valley condition of Garhwal Himalayas. *Plant Archives* Vol. 15 No. 1, 2015 pp. 131-136. NAAS Rating 4.41, Impact factor -0.152(ISSN- 0972-5210)
 22. J.M.S. Rawat, Vidyawati Rawat, P.K. Saraswat, Bupendra Singh and C.S. Dhanai (2016). Morphology and quality characteristics of some underutilized Valuable fruits of north Himalaya. *Progressive Research – An International Journal Society for Scientific Development* Print ISSN : 0973-6417, Online ISSN : 2454-6003 in Agriculture and Technology Volume 11 (Special-I) : 298-301. Naas rating- 3.16
 23. Bhupendra Singh & J. M. S. Rawat (2016). Effects of cutting types and hormonal concentration on vegetative propagation of *Zanthoxylum armatum* in Garhwal Himalaya, India. *J. For. Res.* Vol. 27 (4). ISSN 1007-662X impact factor-1.155 scopus indexed
 24. Bhupendra Singh, J.M.S. Rawat and Vivek Pandey (January, 2017). Influence of sowing depth and orientation on germination and seedling emergence of *Cinnamomum tamala* Nees. *Journal of Environmental Biology*. Vol. 38. ISSN: 0254-8704 (Print) ISSN: 2394-0379 (Online) Impact Factor-0.640. DOI: [10.22438/jeb/38/2/MS-144](https://doi.org/10.22438/jeb/38/2/MS-144)
 25. Krishan Kumar Singh, JS Chauhan and JMS Rawat (2018). A Review: Vegetative Propagation of Mango (*Mangifera indica* L.) Through Grafting. *JOJ Horticulture & Arboriculture*. 2018; 2(2): 555584. ISSN: 2641-8215. DOI: [10.19080/JOJHA.2018.02.555583](https://doi.org/10.19080/JOJHA.2018.02.555583)
 26. Krishan Kumar Singh, JS Chauhan, Prabhat Kumar, JMS Rawat, RL Suwalka (March 2019). A Review:

- Effect of auxins, rooting media and vegetative propagation methods of apple (*Malus* spp.). *European Journal of Biotechnology and Bioscience* ISSN: 2321-9122; Impact Factor: RJIF 5.44 Volume 7; Issue 2; Page No. 82-88 www.biosciencejournals.com
27. Krishan Kumar Singh, S. P. Singh, B. Kumari, A. K. Paliwal, J. S. Chauhan and J.M.S. Rawat. (2019) Income Generation of Farmers via Medicinal Plants Cultivation: A Review. *Ind. J. Pure App. Biosci.* 7(4), 174-177. ISSN-2582-2845 (E) / 2582-2845 (P) DOI: <http://dx.doi.org/10.18782/2320-7051.7428>
 28. Dinesh Chandra Naithani , J.M.S. Rawat , Bhupendra Singh , Vinod Prasad Khanduri & Manoj Kumar Riyal (2020) Determination of Physico-chemical Properties of Aonla (*Emblica officinalis* Gaerth) Fruits among Different Populations in Garhwal Himalaya, *International Journal of Fruit Science*, 20: sup3, S1579-S1589, <https://doi.org/10.1080/15538362.2020.1822264>
 29. Krishan Kumar Singh, J.M.S. Rawat, J. S. Chauhan and Prabhat Kumar (2020). A Review: Multiplication of *Grewia asiatica* L. (Phalsa) via Cutting. *Curr. Rese. Agri. Far.* 1(4), 24-30., ISSN-2582-7146. DOI: [10.18782/2582-7146](https://doi.org/10.18782/2582-7146)
 30. Bhupendra Singh, Jagmohan Singh Rawat, Yogandra Singh Gusain, Vinod Prasad Khanduri, Manoj Kumar Riyal, Prabhat Kumar (2021) Shoot position, cutting types and auxin treatments influence rooting response on *Tecoma stans*. *Ornamental Horticulture*. V. 27, No. 2, 2021 p.213-220. ISSN- 2447536X Available online Feb 24, 2021 <https://doi.org/10.1590/2447-536X.v27i2.2262>
 31. Anand, J.; Rawat, J.S.; Rawat, V.; Singh, B.; Khanduri, V.P.; Riyal, M.K.; Kumar, P.; Pinto, M.M.S.C.; Kumar, M. Climatic and Altitudinal Variation in Physicochemical Properties of *Citrus sinensis* in India. *Land* 2022, 11, 2033. <https://doi.org/10.3390/land11112033>

Books/Book chapters

1. Horticultural Intervention in Agroforestry. *In: Agroforestry: Practices and Potential Services*. Publisher - OMICS International, OMICS e-books group, 731 Gull Ave, Foster City, CA 94404, USA. **ISBN-1632780143, 9781632780140** (March 2017, Book chapter)
2. Mangement of Salt Affected Soils for Forestry Plantations. *In: Agroforestry: Practices and Potential Services*. OMICS e-books group, 731 Gull Ave, Foster City, CA 94404, USA. **ISBN- 1632780143, 9781632780140** (March 2017, Book chapter)
3. High Density Orchardng in Fruit Crops. *In: Innovative Agriculture and Botany*. Victorious Publishers, Pandav Nagar, Near Shanti Nursing Home, Delhi, India. **ISBN: 978-93-87294-14-1**. (2018, Book chapter)
4. Vegetative Propagation of Bougainvillea through Cutting under Sub-tropical Garhwal Himalayan Region. *In: Innovative Agriculture and Botany*. Victorious Publishers, Pandav Nagar, Near Shanti Nursing Home, Delhi, India. **ISBN: 978-93-87294-14-1**. (2018, Book chapter).

Trainings programs Attended:

1. Six days online training progamme on Mushroom Cultivation organized by ICAR-DMR Chambaghat, Solan HP from 14-19 September 2020.
2. Five day online training progamme on “Greenhouse Start Up: Go Smart to Grow Smart” organised by Division of Vegetable Science, SKUAST-Kashmir in collaboration with Centre for Protected Cultivation Technology ICAR, IARI New Delhi from 7-11 September, 2020.
3. Seven days online training progamme on Button Mushroom Cultivation Technology organized by RPCAU, PUSA, Bihar, from 25 Oct. to 01 Nov. 2020.
4. 3 days training progamme on Post Harvest Managemnet of Agricultural Produce During National Calamities/Disaster jointly organized by NIDM and ICAR-CIPHET Ludhiana from 19-21 October 2020.
5. 21 days online international training cum certificate course on Agriculture “Revolutionalizing the future of agriculture” organized by Agri Meet foundation and Aviana, ICAR-IISR from 21 May to 10 June 2022.
6. Three-Week National Online Certificate Course on “Climate Smart Organic Farming” jointly organized by the Centre for Advanced Agricultural Science and Technology (CAAST) for Climate Smart Agriculture and Water Management (CSAWM) (a National Agricultural Higher Education Project of the Indian Council of Agricultural Research, New Delhi) and Organic Farming Research and Training Centre, Mahatma Phule Krishi Vidyapeeth, Rahuri (Maharashtra) during February 15 to March 07, 2021.
7. Orientation programme- participated in orientation programme-104 from December 15 to January 11, 2017 at the UGC- Human Resource Development Centre, Guru Nanak Dev University, Amritsar.
8. Summer School- Participated in 21 days summer school (September 04-24,2018) on “Emerging Post-Harvest Engineering and Technological Interventions for Enhancing Farmers Income” sponsored by ICAR and organized by ICAR-Central Institute of Post-Harvest Engineering and Technology (ICAR-CIPHET) Ludhiana, Punjab, India.
9. Refresher Course- Participated in 15 days Refresher Course November 15-30, 2021 on Environment Science

& Green Technology “Revisiting, Rejuvenating, Reimaging and Reskilling Environment Science & Green Technology Teaching & Research” organised by UGC-HRDC, JNVU, Jodhpur

Highlight of extension activities:

- 1- Delivered a lecture on Techniques of Raising High Tech Vegetable Nursery on 17/02/2021 under HMNEH at Horticulture Training and Research Centre Srinagar Garhwal, Uttarakhand
- 2- Delivered a lecture in one day farmers training on Soil Health Card project on 20/02/2020 under Agriculture Department, Tehri Garhwal Uttarakhand, at Jiyalgarh village, Kirtinagar.
- 3- Delivered a lecture on Organic Farming, Vermi-composting and IPM on 06/01/2020 under SBI, RSETI, Tehri Garhwal Uttarakhand, Agriculture Enterprenureship Training Programme at Kanda village, Jammikhal.
- 4- Delivered a lecture on Techniques of Raising High Tech Vegetable Nursery on 29/12/2019 under SBI, RSETI, Tehri Garhwal Uttarakhand, Agriculture Enterprenureship Training Programme at Kanda village, Jammikhal.
- 5- Delivered a lecture on Techniques of Raising High Tech Vegetable Nursery on 05/12/2019 under HMNEH at Horticulture Training and Research Centre Srinagar Garhwal, Uttarakhand
- 6- Delivered a lecture on Propagation Techniques of Kiwifruit, Apple and Walnut on 03/12/2019 under HMNEH at Horticulture Training and Research Centre Srinagar Garhwal, Uttarakhand.
- 7- Delivered a Radio talk on soil sampling techniques on 6/12/18 at Mandakini Ki Awaj 90.8 FM Community Radio Centre, Sena Gadsari, Rudraprayag (Kheti Badi/10 minutes).
- 8- Delivered a Radio talk on Effects of climate change and management practices for horticultural crops on 15/11/18 at Mandakini Ki Awaj 90.8 FM Community Radio Centre, Sena Gadsari, Rudraprayag (Kheti Badi/15 minutes).
- 9- Delivered a Radio talk on cultivation of horticultural crops scientifically on 15/11/18 at Mandakini Ki Awaj 90.8 FM Community Radio Centre, Sena Gadsari, Rudraprayag (Kheti Badi/10 minutes).
- 10- Delivered a Radio talk on Cultivation technology of green leafy vegetables on 3/12/18 at Mandakini Ki Awaj 90.8 FM Community Radio Centre, Sena Gadsari, Rudraprayag (Kheti Badi/20 minutes).
- 11- Delivered a Radio talk on Cultivation technology of pea vegetables on 14/12/18 on at Mandakini Ki Award 90.8 FM Community Radio Centre, Sena Gadsari, Rudraprayag (Kheti Badi/15 minutes).
- 12- Delivered a lecture in Training Programme Sponsored by “Namami Gange Project” on Raising and management of healthy vegetable nursery for organic vegetable cultivation on 23/10/2018 organized by Agriculture and Soil Conservation Department, Kirtinagar, Tehari Garhwal, Uttarakhand at Bagwan, Block Kirtinagar, Tehari Garhwal.
- 13- Delivered a lecture in Training Programme Sponsored by “Namami Gange Project” on organic farming on 16/10/2018 organized by Agriculture and Soil Conservation Department, Kirtinagar, Tehari Garhwal, Uttarakhand at village Panchayat- Maletha, Block Kirtinagar, Tehari Garhwal.
- 14- Delivered a lecture in Training Programme Sponsored by “Namami Gange Project” on organic farming on 08/10/2018 organized by Agriculture and Soil Conservation Department, Kirtinagar, Tehari Garhwal, Uttarakhand at village- Devali, Block Kirtinagar, Tehari Garhwal.
- 15- Delivered a lecture on Biodiversity to women farmers on 20/05/2018 under training organised by President Secretary Jaiv Vividhta Prabandhan Samiti Panvai at villagae Thamana, Pauri Garhwal and Forest Department, Pauri Garhwal Uttarakhand.
- 16- Delivered a lecture on Post Harvest Management of Horticultural Crops to women farmers on 12/03/2018 under Akikrit Ajeevika Sahyog Pariyojana (ILSP) Jalagam Prabadhan Nideshalay (WMD) Pauri Garhwal, Takneeki Sanstha Vardaan, at, Maroda, Pabao Pauri Garhwal Uttarakhand.
- 17- Delivered a lecture on Post Harvest Management of Horticultural Crops to women farmers on 10/03/2018 under Akikrit Ajeevika Sahyog Pariyojana (ILSP) Jalagam Prabadhan Nideshalay (WMD) Pauri Garhwal, Takneeki Sanstha Vardaan, at Pusoli, (Pabao) Pauri Garhwal Uttarakhand.
- 18- Delivered a lecture on Management of Horticultural Crops to women farmers on 20/02/2018 under Akikrit Ajeevika Sahyog Pariyojana (ILSP) Jalagam Prabadhan Nideshalay (WMD) Pauri Garhwal, Takneeki Sanstha Vardaan, at Thalissain, Pauri Garhwal Uttarakhand.
- 19- Delivered a lecture on Grading, Sorting, and Waxing and improved Packaging of Horticultural Crops to women farmers on 24/01/2018 under Akikrit Ajeevika Sahyog Pariyojana (ILSP) Jalagam Prabadhan Nideshalay (WMD) Pauri Garhwal, Takneeki Sanstha Vardaan, at Satpuli, Pauri Garhwal Uttarakhand.
- 20- Delivered a lecture on Post Harvest Management of Horticultural Crops to women farmers on 12/11/2017 under Akikrit Ajeevika Sahyog Pariyojana (ILSP) Jalagam Prabadhan Nideshalay (WMD) Pauri Garhwal, Takneeki Sanstha Vardaan, at Satpuli, Pauri Garhwal Uttarakhand.

- 21- Delivered a Radio talk on nursery raising of vegetables and cultivation technology for tomato, brinjal, cucumbers and lady finger on 15/04/16 at Mandakini Ki Awaj 90.8 FM Community Radio Centre, Sena Gadsari, Rudraprayag (Kheti Badi/25 minutes).
- 22- Delivered a Radio talk on management practices for citrus fruit orchards/plants on 15/04/16 at Mandakini Ki Awaj 90.8 FM Community Radio Centre, Sena Gadsari, Rudraprayag (Kheti Badi/20 minutes).
- 23- Delivered a Radio talk on onion cultivation on 15/04/16 at Mandakini Ki Awaj 90.8 FM Community Radio Centre, Sena Gadsari, Rudraprayag (Kheti Badi/20 minutes).
- 24- Delivered a Radio talk on protected cultivation of vegetables on 15/04/16 at Mandakini Ki Awaj 90.8 FM Community Radio Centre, Sena Gadsari, Rudraprayag (Kheti Badi/25 minutes).
- 25- Delivered a lecture on Protected Cultivation of Vegetables on 11/04/16 under HMNEH at Horticulture Training and Research Centre Srinagar Garhwal, Uttarakhand.
- 26- Delivered a lecture on Orchard Establishment and Growing Techniques on 19/02/2014 under HMNEH at state Horticulture Department, Rudraprayag, Uttarakhand.