


## Curriculum Vitae

<b>Full Name:</b>	DR. DEEPAK KUMAR RANA			
<b>Designation:</b>	Assistant Professor			
<b>Department:</b>	Horticulture			
<b>Campus:</b>	Chauras Campus			
<b>Telephone:</b>	01370267603	<b>Fax:</b>		
<b>Mobile:</b>	9412137680			
<b>Email</b>	drdkrana@gmail.com			
<b>Education Qualification:</b>	B.Sc., HNB Garhwal University, Srinagar (Garhwal), 1996 M.Sc. (Ag.), GB Pant University of Agriculture & Technology, Pantnagar, 2000 Ph.D. (Horticulture), HNB Garhwal University, Srinagar (Garhwal), 2005			
<b>Teaching Experience:</b>	18 Years	<b>Research Experience:</b>	18 Years	
<b>Research Interest and Fields of Specialization</b>				
1. Horticulture 2. Vegetable Science 3. Fruit Science				
<b>Research Supervision (No. of Ph.D. Degree Awarded/Submitted/Registered)</b>				
02- Awarded 02- Registered				
<b>Administrative Experience</b>				
1. <b>Head</b> 2. <b>Chairperson</b> , Board of Studies 3. <b>Member, Academic Council</b> 4. <b>Member, School Board</b> 5. <b>Assistant Procter</b>				
<b>Conference/Symposium/Workshop Attended during last five years (2014-2019)</b>				
<b>International</b>				
▶ Attended International conference on “Aerosols, Air Quality & Climate Change on Himalayan Region of Uttarakhand” organized by Department of Physics, H.N.B. Garhwal University, Srinagar (Garhwal), Uttarakhand, from October 21-23, 2018.				
<b>National</b>				
▶ Participated in Five Days National Workshop on “Research Methodology in Management & Social Sciences” organized by Department of Business Management, H.N.B. Garhwal				

University, Srinagar (Garhwal), Uttarakhand, from 27 to 31<sup>st</sup> May, 2018.

- ▶ Participated in National Conference on “Perspective in Natural & Applied Sciences” organized by Uttarakhand State Council for Science & Technology & Uttarakhand Council for Biotechnology from March 9<sup>th</sup>-10<sup>th</sup>, 2018.
- ▶ Attended Three Days Conference on “Environment Resources & Development of the Indian Himalaya” organized by Department of Geography, H.N.B. Garhwal University, Srinagar (Garhwal), Uttarakhand, from 25 to 27<sup>th</sup> October, 2018.
- ▶ Attended One Day Training & Capacity Building Program on “Remote Sensing & Geographic Information System” organized by Uttarakhand Space Application Centre, Department of Science & Technology, Govt. of Uttarakhand at H.N.B. Garhwal University, Srinagar (Garhwal), Uttarakhand, on 24<sup>th</sup> December, 2018.
- ▶ Participated in National Symposium on “Innovation in Horticulture: Production to Consumption” organized by G. B. Pant University of Agriculture & Technology Pantnagar, Uttarakhand from September 14<sup>th</sup>-15<sup>th</sup>, 2017.
- ▶ Attended One Day National Seminar on “Opening Uttarakhand State for Startup Companies” organized by Department of Business Management, H.N.B. Garhwal University, Srinagar (Garhwal), Uttarakhand, on 4<sup>th</sup> March, 2017.
- ▶ Attended National Seminar on “Climate Change, Resources, Bio-Diversity & Environmental Challenges: Issues & Strategies for Sustainable Development” organized by Department of Geography, H.N.B. Garhwal University, Srinagar (Garhwal), Uttarakhand, on 30<sup>th</sup> October, 2015.

### **Publications during last five years (2015-2020)**

#### **Journals**

1. Hema and Rana. D. K. 2020. Evaluation of French Bean (*Phaseolus vulgaris* L.) Genotypes for Growth, Pod Yield and Quality under Sub-Tropical Condition of Garhwal Hills. *Int.J.Curr.Microbiol.App.Sci.* 9(07): 974-980. doi: <https://doi.org/10.20546/ijcmas.2020.907.114>
2. Kumar M., **Rana, D.K.** , Choudhary, G. R., Kumar, H. and Kumar, M. 2020. Correlation coefficient studies in Knol-Khol (*Brassica oleracea* var. *gongylodes*) cv. White Vienna under Srinagar Garhwal Valley. *International Journal of Chemical Studies*, 8(4): 1244-1247. P-ISSN: 2349–8528, E-ISSN: 2321–4902.
3. Gocher, M., Gochar, R., Rawat, S.S. and Rana, D.K. 2020. Qualitative and quantities evaluation of *Phyllanthus emblica* L. fruits under valley condition of Garhwal Himalaya. *Journal of Pharmacognosy and Phytochemistry*, 9(3): 1295-1299. E-

4. Tanuja and **Rana, D. K.** 2019. Assessment of planting dates, GA<sub>3</sub> Concentration and Azotobacter on Chandler strawberry. Indian journal of Horticulture 76(4): 640-644. ISSN-0972-8538
5. Tanuja and Rana, D. K. 2019. Efficacy of strawberry (*Fragaria ananassa* Duch.) genotypes under valley condition of Garhwal hills. *Plant Archives* 19(1): 176-180.
6. Singh, V., **Rana, D. K.**, Shah, K. N. and Chaudhary, I. J. 2019. Assessment of heritability, genetic advancement and yield of bitter gourd under Garhwal region, *Plantica - Journal of Plant Science*. 3 (1): 260 – 269
7. Shah, K. N. Chaudhary, I. J., Rana, D. K. and Singh, V. 2019. Impact Assessment of Different Organic Manures on Growth, Morphology and Yield of Onion (*Allium cepa* L.) Cultivar. Asian Journal of Agricultural Research, 13 (1): 20-27 ISSN 1819-1894
8. Chaudhary, I. J., Singh, V., **Rana, D. K.** and Shah, K. N. 2019. Assessment of heritability, genetic advancement and yield of bitter gourd under Garhwal region. *International Journal of Science and Research*. 8(2): 205-213 (IJSR) ISSN: 2319-7064
9. Kumar M., Singh, V., **Rana, D.K.** and Shah, K.N. 2018. Effect of integrated nutrient management on various horticultural traits of knol-khol (*Brassica oleracea* var. *gongyloides*) cv. White Vienna under Garhwal Hills. *Journal of Pharmacognosy and Phytochemistry*. 7(1): 2285-2288, ISSN-2278-4136(E) 2349-8234 (P)
10. Naseeruddin, K.H., Singh, V., Pant, S.C. and **Rana, D.K.** 2018. Association and path correlation studies in Radish (*Raphanus sativus* L.) under valley condition of Uttarakhand. *Journal of Pharmacognosy and Phytochemistry*. 7(1): 2298-2302, ISSN-2278-4136(E) 2349-8234 (P)
11. Kumar, S., **Rana, D.K.**, Shah, K.N. and Singh, V. 2018. Response of onion (*Allium cepa* L.) cv. Pusa Red to various organic manures under subtropical condition of Garhwal Himalaya. *Journal of Pharmacognosy and Phytochemistry*. 7(1): 2294-2297, ISSN-2278-4136(E) 2349-8234 (P)
12. Shah, K. N., **Rana, D. K.** and Singh, V. 2018. Evaluation of genetic variability, heritability and genetic advance in Cucumber (*Cucumis sativus* L.) for various quantitative, qualitative and seed characters. *Int. J. Curr. Microbiol. App. Sci.* (2018) Special Issue-7: 3296-3303, ISSN-2319-7706
13. Singh, V., **Rana, D. K.** and Shah, K. N. 2018. Evaluation of Genetic Diversity in Bitter Gourd (*Momordica charantia* L.) under Subtropical Conditions of Garhwal Himalaya. *International Journal of Advanced Scientific Research and Management*, Special Issue I: 31-34.
14. Singh, V., **Rana, D. K.** and Shah, K. N. 2018. Correlation and per se performance studies in various lines of Bitter Gourd (*Momordica charantia* L.) under Garhwal Himalaya region of Uttarakhand. *Int. J. Curr. Microbiol. App. Sci.* (2018) Special Issue-7: 2857-2865, ISSN-2319-7706
15. Meena, J., Chamola, B.P., **Rana, D.K.** and Singh, K.K. 2018. Studies on performance of French Bean (*Phaseolus vulgaris* L.) cv. Contender for seed production under Garhwal Himalayas. *Int. J. Curr. Microbiol. App. Sci.* 7(02): 676-681. ISSN- 2319-7706
16. Meena, J. K., Chamola, B.P., Pant, N.C., Singh, K. K. and **Rana, D. K.** 2018. Effect of integrated nutrient management on yield & growth performance of French bean

- (*Phaseolus vulgaris* L.) under subtropical conditions of Garhwal Hills. *International Journal of Chemical Studies*, 6(2): 3356-3358, ISSN- P- 2349–8528 E- 2321–4902
17. Shah, K.N., **Rana D.K.** and Singh,V. 2018.Studies on genetic divergence in cucumber (*Cucumis sativus*L.) under subtropical conditions of garhwal himalaya. *International Journal of Advanced Scientific Research and Management*, Special Issue I: 39-42.
  18. Ola, A. L., **Rana, D.K.** and Jhajhra, M,R. 2018. Correlation and regression studies in radish under valley condition of Garhwal hills. *Journal of Pharmacognosy and Phytochemistry*, 7(2): 2635-2637. ISSN- E-2278-4136 P-2349-8234
  19. Sharma,T., Tanuja, **Rana, D. K.** and Naithani, D.C.. 2018. Effect of bioregulators and chemical on seed germination and seedling growth in papaya (*Carica papaya* L.) cv. Pusa Nanha under valley condition of garhwal himalaya. *Int. J. Pure App. Biosci.* 6 (1): 1116-1121. ISSN-2320 – 7051
  20. Naithani, D.C., Nautiyal, A.R., **Rana, D.K.** and Mewar, D. 2018.Effect of time of air layering, IBA concentrations, growing media and their interaction on the rooting behaviour of Pant Prabhat guava (*Psidium guajava* L.) under sub-tropical condition of garhwal himalaya, *Int. J. Pure App. Biosci.***6(3)**: 169-180. ISSN- **2320-7051**
  21. Verma, S., Bairwa, R.K., **Rana, D.K.**, Dimri, T. and Dotaniya, C.K. 2018. Influence of different concentrations of zinc, boron and iron on yield characters of strawberry (*Fragaria x ananassa* Duch.) cv. chandler under valley condition of Garhwal Himalaya. *Journal of Pharmacognosy and Phytochemistry*, 7(2): 3881-3884. ISSN- E-2278-4136 P-2349-8234
  22. Mehta, S. K., Singh, K. K., **Rana, D. K.**, Bhartwal, P. and Brahmanand. 2018. Evaluation of physico-chemical parameters of different Varieties of Guava (*Psidium guajava* L.) under Sub-tropical Condition of Garhwal Himalaya (Uttarakhand), India. *International Journal of Advanced Scientific Research and Management*, Special Issue I: 88-91. ISSN-2455-6378
  23. Bairwa D. S., **Rana, D.K.**, Kumar,P., Kumar,S. Bhati, V. and Parihar, D.2018. Response of pea varieties on growth, yield attributes and quality under valley conditions. *International Journal of Agriculture, Environment and Biotechnology*,11(3): 585-588. ISSN- Print ISSN : 1974-1712 Online ISSN : 2230-732X
  24. Pancholi,V., Tanuja and **Rana, D. K.** 2017. Impact of pre and post harvesttreatments on the shelf life of guava cv. Pant Prabhat under valley condition of garhwal himalaya. *Plant Archives*, 17 ( 2): 1411-1414 ISSN 0972-5210.
  25. Lalhal K. K., Tanuja, Rana, D.K. and Naithani, D. C. 2017. Effect of different concentration of IBA on rooting of plum (*Prunus domestica* L.) cuttings cv. Santa Rosa under valley condition of garhwal himalaya. *Journal of Plant Development Sciences*, 9 (8): 779-783.
  26. Jhajhra, M. R., **Rana D.K.** and Ola, A.L. **2017**. Evaluation of fenugreek (*Trigonella foenum-graecum* L.) Varieties under sub-tropical condition of garhwal himalayas. *Chem sci rev lett*, 6(22), 684-689.
  27. Sharma, D., **Rana, D. K.**, Shah, K.N., Singh, V. and Tanuja, **2017**. Effect of various concentrations of bio-regulators and humic acid on growth, yield and quality of

- french bean (*Phaseolus vulgaris* L.) cv. contender under subtropical condition of garhwal hills. *Plant Archives*, 17 (1): 647-650.
28. Shah, K. N. , **Rana, D. K.** and Singh, V. **2017.** Estimation of genetic variability for quantitative and qualitative traits in cucumber (*Cucumis sativus* L.) under subtropical conditions of Garhwal Himalaya. *Plant Archives*, 17 (1): 28-32.
29. Kumar K., Tanuja, **Rana, D. K. and** Naithani, D. C. **2017.** Influence of different concentrations of iba on the shooting and rooting of hardwood cuttings of pomegranate (*Punica granatum* l.) cv. ganesh under valley condition of Garhwal Himalaya. *Plant Archives*, 17 (1): 375-379.
30. Manila, Tanuja, **Rana, D. K. and** Naithani, D. C. **2017.** Effect of different growing media on vegetative growth and rooting in pomegranate (*Punica granatum* L.) cv. “kandhari” hardwood stem cutting under mist. *Plant Archives*, 17 (1): 391-394.
31. Singh, V. , **Rana, D. K. and** Shah, K. N. **2017.** Genetic variability, heritability and genetic advance in some strains of bitter gourd (*Momordica charantia* L.) under subtropical conditions of Garhwal Himalaya. *Plant Archives*, 17 (1): 564-568.
32. Jat, D.K., Singh, K.K., Mehta, S.K. and Rana, D.K. 2017. Effect of growing conditions and time of planting on the rooting in stem cutting of mulberry (*morus alba* L.) under subtropical valley condition of Himalaya region. *The Bioscan*, **12(1) supplement on agronomy –part-2**: 211-514. ISSN: 0973-7049.
33. Ola, A.L., Rana, D.K., Meena, S.N. and Jhajhra, M.R. **2016.** Evaluation of yield potential and suitability of radish (*Raphanus sativus* L.) varieties under valley condition of garhwal hills. *Advances in Life Sciences* 5(19), 8777-8779, print : issn 2278-3849,
34. Shah K. N., Singh V. and **Rana D. K.** **2016.** Role of integrated nutrients management on growth, yield and quality of tomato under Garhwal Hills. *HortFlora Res. Spectrum*, **5(4)** : 339-341.
35. Singh V., Shah K. N. and **Rana D. K.** **2016.** Combined effect of organic manures and bio-fertilizers on growth and yield of broccoli under Garhwal Himalayan region. *HortFlora Res. Spectrum*, **5(4)** : 345-347.
36. Shah, K.N., **Rana, D.K.** and Singh, V. **2016.** Evaluation of different cucumber strain for various horticultural traits under valley condition of garhwal himalaya. *J. Plant Dev. Sci.*, 8 (12): 599-603.
37. Singh, V., Shah, K.N. and **Rana, D.K.** **2016.** Effect of organic manures on growth, yield and quality of radish (*Raphanus sativus* L.) cv. Pusa Desi. *HortFlora Res. Spec.*, 5 (2): 129-133.
38. Singh, V., Shah, K.N. and **Rana, D.K.** **2016.** Morphological performance of pea (*Pisum sativum* L.) genotypes under valley condition of garhwal himalaya region. *Env. & Eco.*, 34 (3): 854-857.
39. Singh, V., Shah, K.N. and **Rana, D.K.** **2016.** Performance of different bitter gourd (*Momordica charantia* L.) strain for growth, yield and quality traits under garhwal hills. *Plant Arch.*, 16 (2): 815-820.

40. Tanuja, **Rana D. K.** and Rawat S. S. **2016.** Effect of foliar application of zinc and boron on yield and quality of pomegranate (*Punica granatum* L.) cv. Ganesh under subtropical conditions of Garhwal hills. *Hort Flora Res. Spectrum*, 5(1): 61-64.
41. Mahato, P., Punetha P. and **Rana, D.K.** **2016.** Evaluation of tuberose genotypes for vegetative, floral and bulb yielding attributes under the valley conditions of Garhwal Himalayas. *International Journal of Agriculture Sciences*,8(62): 3522-3524.
42. Shah K.N., Singh V. and **Rana D.K.****2016.** Effect of inorganic and organic manures on growth, yield and quality of onion cv. 'Pusa Madhvi' under valley condition of Garhwal Himalaya. *HortFlora Res. Spectrum*, 5(3): 233-237. *ISSN-2250-2823*
43. Todu, B.,**Rana. D.K.**, Punetha, P. and Kumar, P. **2016.** Efficacy of integrated nutrient management on seed yield and quality parameters of *Calendula officinalis*. *The Bioscan*, 11(2): 1167-1169. *ISSN-0973-7049*
44. Ghosh, C., Chhetri, S., Rana, D. K. , Mahato, B., C hakraborty, A., Bhattacharya, S. K. and Bhattacharjya, M. K. **2016.** Response of organic and inorganic nutrient sources on growth and yield of water melon (*citrullus lanatus*) in red lateritic soil of Purulia, West Bengal. *International Journal of Bio-Resource, Environment And Agricultural Sciences* 2(3) : 387-390,2016 *ISSN 2454-3551*
45. Bahuguna, A., Bahuguna , S.,**Rana, D.K.** and Singh, K. P. **2016.** Effect of phosphorus on growth, nodulation and yield of pea (*Pisum sativum* l.) Cv. Arkel under Uttarakhand hills (India). *World Journal of Pharmacological Research and Technology*. 4(1): 42-47. *ISSN-2277-7105*
46. Mehta, S. K. , Singh, K. K., Jat, D. K. and **Rana, D. K.** **2016.**Comparative studies of physico-chemical characteristics of various cultivars of guava (*Psidiumguajava* L.) under sub tropical valley condition of garhwal himalaya (Uttarakhand), India. *Plant Archives*, 16 (1): 361-364. *ISSN-0972-5210*
47. Gusain, M. S., Singh, D. K. and **Rana, D.K.****2015.** Response of foliar feeding of urea and zinc sulphate on growth and yield of chilli (*Capsicum annum* var. *accuminatum*) cultivar Pant C-3. *Indian J. Hort.*, 72(3): 441-443. *ISSN-0972-8538*
48. Singh V., Shah K.H.N. and **Rana D.K.****2015.** Performance of pea (*Pisum sativum* L.) genotypes under valley condition of Garhwal Himalayan region. *HortFlora Res. Spectrum*, 4(2): 164-167. *ISSN-2250-2823*
49. Singh K. K., Chauhan, J. S. , Rawat, J. M. S. and **Rana, D. K.****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*, 15(1): 131-136 . *ISSN-0972-5210*
50. Kumar, P.**Rana, D.K.**, Singh, V and Naseeruddin, K.H. **2015.** Effect of humic acid on growth, yield and quality of okra [*Abelmoschus esculantus* (L.) Moench] cv. Arka Anamika under subtropical conditions of Garhwal Himalaya. *Intr. J. Inno. Res. Sci. & Tech.*, 1(8): 151-153. *ISSN-2343-6010*

51. Singh, V.Naseeruddin, Kh. and **Rana, D.K.2015**. Medicinal importance of unexploited vegetable under North Eastern regions of India. *J. Medi. Plants Studies*, 3(3): 33-36. *ISSN- 2394-0530*

52. Naseeruddin, Kh.Singh, V. and **Rana, D.K.2015**. Medicinal Importance of Cucurbitaceous Crops. *Inter. Res.J. Bio Sci.*, 4(6): 1-3. *ISSN-*

#### **Books**

1. D.K. Rana. Evaluation of Tomato's for the High Hills, LAP Lambert Academic Publishing, 2014

2. D.K. Rana. French Bean in Subtropical Hills, LAP LAMBERT Academic Publishing, 2014

#### **Popular Article:**

1. Naseeruddin, Kh, **Rana, D.K.** and Singh V. **2015**. Kheere ki aadhunik kheti. *Pahadi Kheti Bari*, 3(1):44-46. *ISSN-2347-2626*

2. Puneetha, P., **Rana, D.K.** and Pandey,V. **2014**. Sabjeo ke bejoutpadan ki pramukh technique. *Pahari Kheti Baari*,**2 (1)**: 72-75. *ISSN-2347-2626*

**Total Number of Research Publications: 80**