

Personal Details

Dr Krishna Kant

Principal Scientist

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Research Interest : Biological control of pests, storage pests,
new insecticide formulation

Ph.D. : G.B. Pant Univ. of Agri. & Tech., Pantnagar, U.P.

M.Sc. : N.D. University of Agriculture & Technology, Kumarganj, Ayodhya, U.P.

Joining date in ICAR (yyyy/mm/dd) : 2007-10-01

[Google Scholar](#)

Publications (Top 10 Publications having NAAS rating 6 and above with first or corresponding author only) :

1. Krishna Kant, Sharma, Y.K., Mishra, B.K., Vishal, M.K. and Meena, S.R. (2013). Management of chalcid wasp (*Systole albipennis*) (*Eurytomidae: Hymenoptera*) in coriander: a pest of field and quarantine significance. *Indian Journal of Agricultural Sciences*, 83 (10)1043-45.
2. Krishna Kant, Ranjan, J.K., Mishra, B. K., Meena, S.R., Lal, G. and Vishal, M.K. (2013). Post harvest storage losses by cigarette beetle (*Lasioderma serricornis* Fab.) in seed spice crops. *Indian Journal of Horticulture*. 70(3):392-96.
3. Krishna Kant, Singh, B., Sharma, Y.K., Meena, S.R., Solanki, R.K., Mishra, B.K., Meena, N.K. and Siddiqui, A.U. (2017). Diversity of nematode population in cumin (*Cuminum cyminum*) crop in semi arid regions of Rajasthan, India. *Indian Journal of Agricultural Sciences*, 82 (12)1664-67.
4. Krishna Kant, Sharma, Y.K., Ramanujam, B., Tyagi, S.K., Ranjan, J.K., Mishra, B.K., Meena, S.S. Vishal, M.K. and Meena, S.R. (2013). Biorational approaches for management of aphid (*Hyadaphis coriandri* Das) on fennel. *Indian Journal of Horticulture*, 70(2):300-303.
5. Agarwal, D., Saxena, S.N., Dubey, P. N., Mishra, B. K., Kant, Krishna and Lal G. (2019). Genotypic Variation in Pharmacological Potential of Seed Extracts of Cumin (*Cuminum cyminum* L.) Genotypes. *Indian J Pharm Sci.* 81(5):946-954.
6. B.K. Mishra, Kamlesh Kumar Meena, P.N. Dubey, O.P. Aishwath, Krishna Kant, Ajay M. Sorty, U. Bitla (2016). Influence on yield and quality of fennel (*Foeniculum vulgare* Mill.) grown under semi-arid saline soil, due to application of native phosphate solubilizing rhizobacterial isolates, *Ecological Engineering*, 97:327-333.
7. P.N. Dubey, Balraj Singh, B.K. Mishra, K. Kant and R.K. Solanki (2016). Nigella (*Nigella sativa*): a high value seed spice with immense medicinal potential. *Indian Journal of Agricultural Sciences* 86 (8): 967-79.
8. S.N. Saxena, S.S. Rathore, Y. Diwakar, R.K. Kakani, K. Kant and P.N. Dubey. (2017). Genetic diversity in fatty acid composition and antioxidant capacity of *Nigella sativa* L. genotypes. *Food Science and Technology*, 78, 198-207.
9. B.K. Mishra, Balraj Singh, J.K. Ranjan, P.N. Dubey, K. Kant and Arunabh Joshi (2016). Effect of native strains of plant growth promoting rhizobacteria on growth and

yield of isabgol (*Plantago ovata*). *Indian Journal of Agricultural Sciences*, 86 (10): 1280–1285.

10. Lalit Patidar, J.K. Ranjan, Balraj Singh, B.K. Mishra, O.P. Aiswath, Krishna Kant, Bhupendra Sharma and Ravi Kant Rai (2016). Influence of integrated supply of AM, PSB, *Azotobacter* and inorganic fertilizer on growth, yield and quality in coriander (*Coriandrum sativum*) and micro-flora population in the soil. *Indian Journal of Agricultural Sciences*, 86 (9): 1140–1144.

Patent / Technologies / Varieties / Methodologies / System etc. (Five only) :

1. Insecticidal oil dispersion composition of shisham (*Dalbergia sissoo*) leaf extract. (Indian Patent No.202011038991)
2. Composition for concentrated aqueous suspension of entomopathogenic fungus. (Indian Patent No. 202011038977)
3. Entomopathogens consortia for control of insect pests in seed spices
4. Botanical for management of insect-pests, weeds and soil fertility (Allyl isothiocyanate extracted from mustard seed)
5. Insecticide soap for control of aphids on seed spices

No. of Students Guided : M.Sc : 01 Ph.D : NIL

Awards / Recognitions / Fellowship (Five only) :

1. Fellow of Indian Society of Seed Spices, Ajmer-2015, Rajasthan.
2. Secretary, Indian Society of Seed Spices, Ajmer, Rajasthan.
3. Best paper awards in various seminar and conferences.
4. Editor of many scientific journals and magazines.

International exposure: NIL

Ongoing research projects (institutional / external funded -as PI or CCPI):

1. Studies of new botanicals formulation on insect pests management in Seed Spices.
2. Studies on population diversity and management of nematodes in Cumin (*Cuminum cyminum* L.).
3. Pilot project on production of pesticide free cumin through popularization of Good Agricultural Practices (GAP)