

Profile

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Year of Joining ICAR : 2003



Field of Specialization : Fruit Science, Genetic Resource management, Canopy management, Phenology, Pollination biology, Plant nutrition

MSc : Pomology : Punjab Agricultural University, Ludhiana (ICAR-JRF)

PhD : Horticulture : Banaras Hindu University, Varanasi (ICAR-SRF)

Variety

Crop	Name of variety	Notified by
Mango	Arka Neelachal Kesari	Central Variety Release Committee (CVRC), New Delhi
Custard apple	Aka Neelachal Vikram	Central Variety Release Committee (CVRC), New Delhi
Rose apple	Arka Neelachal Akshay	ICAR-IIHR, Bengaluru

Technology/Methodology/Concept

- ✚ Y- trellising training system in mango
- ✚ Concept of 3P's for sustaining mango yield under high density planting system
- ✚ Optimized shade intensity for pineapple in mango-based intercropping system
- ✚ Mango + Dragon fruit + Pineapple multistorey system
- ✚ Optimization of K, Ca and B nutrition in dragon fruit
- ✚ Defined Phenological growth stages in Jackfruit, Dragon fruit, Jamun, Tamarind, Aonla, Bael
- ✚ Identified the most effective pollinator in custard apple and large cardamom

Publication - Research papers

1	Kishore, K. , Rupa T. R. and Deepa S. 2021. Influence of shade intensity on growth, biomass allocation, yield and quality of pineapple in mango-based intercropping system. <i>Scientia Horticulturae</i> . 278: https://doi.org/10.1016/j.scienta.2020.109868
2	Kishore K and Mahanti K K. 2016. Codification and description of phenological growth stages of sapota (<i>Manilkara zapota</i>) according to the extended BBCH scale. <i>Scientia Horticulturae</i> 211: 431-439.
3	Kishore K. 2016. Phenological growth stages of dragon fruit (<i>Hylocereus undatus</i>) according to the extended BBCH-scale. <i>Scientia Horticulturae</i> 213: 294-302.
4	Kishore K. , Shukla A K, Babu Naresh, Sarangi D N and Samiksha Patnaik. 2012. Pollination biology of <i>Annona squamosa</i> L. (Annonaceae): Evidence for pollination syndrome. <i>Scientia Horticulturae</i> 144: 212-17.
5	Kishore K. , Monika N., Rinchen D., Lepcha Boniface and Pandey Brijesh. 2012. Polyembryony and seedling emergence traits in apomictic citrus. <i>Scientia Horticulturae</i> 138: 101-7.
6	Kishore, K. , Kalita H., Singh, M., Avasthe, R. K., Pandey B., and Rinchen, D., 2011. Pollination studies in large cardamom (<i>Amomum subulatum</i> Roxb.) of Sikkim Himalayan region of India. <i>Scientia Horticulturae</i> . 129: 735-41
7	Kishore, K. 2017. Phenological growth stages of Indian gooseberry (<i>Phyllanthus emblica</i> L.) according to the extended BBCH scale. <i>Scientia Horticulturae</i> . 225 (2017) 607–614
8	Kishore K., 2019. Phenological growth stages and heat unit requirement of Indian blackberry (<i>Syzygium cumini</i> L., Skeels). <i>Scientia Horticulturae</i> 249 (2019) 455–460
9	Kishore K. , Pathak K A and Shukla R. 2010. Effect on storage temperature on physicochemical and sensorial attributes of purple passion fruit. <i>Journal of Food Science and Technology</i> .48: 484-88.
10	Kishore K. , Pathak K A and Bharali R and Yadav D S. 2006. Studies on ripening changes in purple passion fruit (<i>Passiflora edulis</i> Sims). <i>Journal of Food Science and Technology</i> . 43: 599-602.
11	Kishore K. 2018. Phenological growth stages of jackfruit (<i>Artocarpus heterophyllus</i>) according to the extended BBCH scale. <i>Annals of Applied Biology</i> . doi:10.1111/aab.12427
12	Kishore K and Mahanti K K. 2017. Phenological growth stages of bael (<i>Aegle marmelos</i>) according to the extended Biologische Bundesantalt, Bundessortenamt und Chemische Industrie scale. <i>Annals of Applied Biology</i> . 170: 425-33.
13	Kishore K. , Kanupriya, C. Samant D., Acharya, G. C., Singh H. S., and Sahu Ankita. 2022. Phenological description and thermal requirement of tamarind in tropical conditions. <i>Annals of Applied Biology</i> . https://doi.org/10.1111/aab.12777
14	Sahu Ankita, Kundan Kishore* , Nayak, R. K., Dash S. K. Sahoo S. C., Barik S. 2022 Influence of potassium on mineral content, yield and quality attributes of dragon fruit (<i>Selenicereus monacanthus</i>) in acidic soil of Eastern tropical region of India. <i>Journal of Plant Nutrition</i> , doi. 10.1080/01904167.2022.2160744.
15	Kishore K. , Singh, H. S. Vishal Nath, Baig, M. J. Murthy, D. S., Acharya, G. C., Behera, S. 2023. Influence of canopy architecture on photosynthetic parameters and fruit quality of mango in tropical region of India. <i>Hortic. Environ. Biotech</i> . doi./10.1007/s13580-022-00500-z
16	Sangeetha Ganesan, Nidhi Kumari, Supriya Sahu, Madhuri Pattanaik and Kundan Kishore 2023. Identification of <i>Lasiodiplodia</i> species inciting stem rot of dragon fruit in India through polyphasic approach. <i>3 Biotech</i> 13: 333
17	Sangeetha Ganesan, Supriya Sahu, Kundan Kishore , Nidhi Kumari, Gobind Ch Acharya. 2022. First report of pineapple leaf blight caused by <i>Lasiodiplodia. theobromae</i> in India. <i>Journal of Plant Pathology</i> . 104.885.
18	Sahu, A., Kishore K* , Dash, S. N., Sahoo, S. C., Nayak, R. K., Baidya, B. K., Shukla, A. K., Barik S. 2022. Foliar feeding of boron influencing biochemical attributes and enzyme activity in dragon fruit (<i>Selenicereus monacanthus</i>). <i>Notulae Botanicae Horti Agrobotanici Cluj-Napoca</i> . 50: 12777
19	Kishore, K. , Singh H. S. Sharma, D., Rupa, T. R., Kurian R. M. and Samant, D. 2019. Influence of paclobutrazol on vegetative growth, nutrient content, flowering and yield of mango (<i>Mangifera indica</i> L.) and its residual dynamics. <i>Jour. Agri. Sci. Tech</i> . 21: 1557-1567.
20	Kishore K. Kalita H., Rinchen D. and Lepcha Boniface. 2012. Evidence of functional specialization and pollination syndrome in <i>Amomum subulatum</i> Roxb. (Zingiberaceae). <i>Current Science</i> . 103: 193-99.

Students guided - PhD – 3 MSc. - 4

Awards / Recognitions

Fellow	Indian Academy of Horticultural Sciences, New Delhi
Fellow	Society for Horticultural Research and Development (SHRD)
Best Research Scientist Award	Orissa Horticultural Society, OUAT, Bhubaneswar
National Research Excellence Award	International Multidisciplinary Research Foundation
Young Scientist Award	Hi-Tech Horticultural Society, Meerut
Board of Editors	Annals of Applied Biology
Review Editor	Frontiers in Plant sciences
Editor	Journal of Horticultural Sciences
Consulting Editor	Journal of Environmental Biology
Reviewer	Industrial crops and Products, Frontiers in Environmental Science, Scientia Horticulturae, Electronic Journal of Biotechnology, Plant Biology, African Journal of Biotechnology, Journal of Food Science and Technology, Current Science

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