

Research Center Ranchi

Personal Details



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Research Interest

Horticulture based Integrated Farming System, Precision Farming, Resource Conservation Technology, Medicinal & Aromatic Plants, Aquaculture

Research Highlights

Horticulture based Integrated Farming System, Precision Farming, Resource Conservation Technology, Medicinal & Aromatic Plants, Aquaculture

Memberships / Fellowships

Life Member of Horticulture Society of India, New Delhi

Technology Developed

1. Developed the growth stage based fertigation pattern & crop geometry of tomato, broccoli, chili and sweet corn for drip irrigated vegetables for commercial cultivation eastern plateau region.
2. Developed gravity sub surface drip irrigation and fertigation for bitter gourd and Cucumber in sandy loam soils of eastern plateau region.
3. Developed the resource conservation technology by mulching and methods of planting in cauliflower, tomato and brinjal.
4. Production technology of seed spices for edaphic stress in slightly acidic soil of Eastern hill plateau region.
5. Integrated Makhana based Fish- Water Chest nut production system for improving water productivity for enhancing livelihood.
6. Integrated Makhana based Fish- Water Chest nut production system with Poultry, Vermi compost, horticultural crops on embankment as an alternate income generation activities for improving for enhancing livelihood.
7. Developed post-harvest processes and machinery for Makhana popping and roasting.
8. Developed value added product of Makhana Instant ready to constitute Kheer Mix.
9. Developed commercial oil extraction unit of aromatic crops e.g. Lemon grass, Palmarosa, etc.
10. Developed the harvesting frequency of lemon grass & palmarosa for maximizing the oil production of aromatic crops.
11. Developed the production technology of medicinal and aromatic plants.

Publication Details

1. Chakraborty, Asit & Jha, B.K. 2016. Winter Coccidiosis in a Calf- A Case Report. International Journal of Agricultural Science & Research (IJASR) Vo. 6, Issue 1, Feb. 2016, 279-282 5 (1), January 2015:49-55.
2. Aishwath,O.P, Singh,R, Jha, B.K and Mehta, R.S. 2015. Growth kinetics & yield of Coriander under limed acid soils of eastern plateau hill regions. International Journal of Seed Spices, 5 (1), January 2015:49-55.
3. Mali,S.S, Jha,B.K, Naik,S.K, Singh,A.K & Kumar Ajay.2016. Effect of fertigation pattern and planting geometry on growth, yield and water productivity of tomato. (Accepted) Indian Journal of Agricultural Sciences).
4. Chandra, Ram., Kumar, Dinesh., Aishwath, O.P & Jha, B. K. 2009. Response of Isabgol to macronutrients under hot semi-arid eco-region of Gujarat. Indian Journal of Horticulture, Vo. 66 (4) -549-550.
5. Chandra,R,Kumar Dinesh, Jha,B.K,Gajbhiye & Aishwath,O.P (2009). Influence of sowing time on growth and yield of Plantago ovata Forsk. Under middle Gujarat conditions.Indian Journal of Horticulture 63 (4),424-427.
6. Kumar, Dinesh., Jha , B. K, Chandra,R & Aishwath,O.P.2004. Influence of length and diameter of semi- hard wood stem cuttings on cutting success of Commiphora wightii.Tropical Agriculture.
7. Chandra, Ram.,Kumar,Dinesh., Aishwath,O.P. and Jha, B.K.2005. Response of Chlorophytum borivilianum to Organic Manure. Journal of Tropical Medicinal Plants.4 (2): 261-264.
8. Kumar, Dinesh., Jha , B. K, and Ram Chandra, 2002. Response of Auxins and Planting Time on the Regeneration of Stem Cuttings of Commiphora wightii (Indian Bdellium). Journal of Tropical Medicinal Plants.3 (2): 253-258.
9. Chandra, Ram., Kumar , Dinesh and Jha, B.K. 2002. Thermal Use Efficiency of Plantago ovata Resulting in Better Growth and Seed Production. Journal of Tropical Medicinal Plants.3 (2): 247-251.
10. Chandra, Ram., Kumar , Dinesh and Jha, B.K. 2001. Rooting behaviour of Stem cuttings of Commiphora wightii (Indian Bdellium). Journal of Tropical Medicinal Plants.2 (2): 269-274.
11. Kumar,Dinesh., Jha, B.K. and Aishwath,O.P.2005. Effect of plant population on seed yield of senna (Cassia angustifolia). Indian Journal of Agrl. Sciences. 75 (7): 445-446.
12. Aishwath, O.P., Chandra, Ram., Kumar , Dinesh and Jha, B.K. 2005. Yield and uptake of Macronutrient by Isabgol (Plantago ovata Forsk.) with application of N and P under medium soil fertility. Journal of the Indian Society of Soil Science. 53 (3): 410-412.
13. Jha,B.K., Kumar,Dinesh and Joshi,P.P.2004. Harvesting frequency in lemongrass var.OD-19 under semi-arid ecosystem of Gujarat. Indian Perfumer Vol 48 (3):317-321.
14. Ram Chandra, Kumar Dinesh and Jha , Bal Krishna, 2003. Growth and yield of Safed musli (Chlorophytum borivilianum)as influenced by Spacing. Indian Journal of Agricultural Sciences 73 (3):153-155.
15. Jha,B.K., Kumar,Dinesh and Chandra,Ram.2003. Propagating guggal scientifically. Indian Horticulture Vol. 47 (4):20-21.