List of Technologies of ICAR- CIPHET available for commercialization

Machines/Structures/Materials

- 1. CIPHET-Pomegranate Aril Extractor
- 2. Automatic Litchi Peeler
- 3. Automatic Custard Apple Pulper
- 4. Power operated Groundnut pod Decorticator
- 5. Makhana popping machine (Gorgon Nut, *Euryale ferox*)
- 6. CIPHET-Aonla grader
- 7. CIPHET-Aonla Pricking machine
- 8. CIPHET Aonla shredder
- 9. CIPHET-Cryogenic spice grinding system
- 10. CIPHET Tomato Grader
- 11. Potato peeler cum washer
- 12. Autoclavable microencapsulation system with multi stage break up two fluid nozzle for clean production of microcapsules
- 13. Blender cum mixer for pretreatment of oilseeds for enhancing oil yield
- 14. Mechanized system for minimal processing
- 15. Ber Fruit Grader
- 16. CIPHET Fruit collector cum grader for saving of fruits
- 1. Castor Depodder and Decorticator
- 17. Composite mini dal mil for Pigeon pea
- 18. Evaporative cooled room (2 ton)
- 19. Evaporative Cooled structure (5-7 tons)
- 20. Fish Descaling Machine
- 21. Fish Processing Table cum Retail Sales Unit
- 22. Guar Seed Dehulling Machine and Process for Dehulling
- 23. Groundnut deskinner-2010
- 2. Lotus seed decorticator
- 24. Low Cost Tray Dryer Having a Unique Design of Plenum Chamber
- 25. Microencapsulator with multiple air jet droplet generator for production of microcapsule
- 26. Mobile iced fish storage and transport chamber
- 27. Mobile agro processing unit suggested for cleaning, grading, destoning of food grains
- 28. Mustard dehulling pilot plant
- 29. Ohmic heating system for stablization of rice bran
- 30. Millet processing plant
- 31. Poultry Processing Table and Poultry Slaughter Cone
- 32. Sunflower Dehuller
- 33. Live fish carrier system and method of transportation of live fish therein

Hand Tools/Small gadgets

- 1. CIPHET- Banana comb Cutter
- 2. Hand Tool for Easy Separation of Arils from Pomegranate
- 3. Low cost fish descaling hand tool
- 4. Rotary maize cob sheller
- 5. Small Capacity Maize Degermer for dry degerming of Maize
- 6. Sausage filler
- 7. Flour mixing unit for fortification
- 8. Mechanical Device for Detection of Insects in stored grains
- 9. Indigenous meat cutter

Processes

- 1. Dried Onion Flakes and Powder
- 2. Low fat meat emulsion and process for making the same
- 3. Low cost poly house/shed house technology
- 4. Method of determining maturity of intact mango in tree
- Method of Predicting Maturity Stage and Eating Quality of Indian Mangoes using Near Infrared Spectroscopy
- 6. Minimal processing of Vegetables
- 7. Production of Ginger powder
- 8. Process for Quality Protein Maize based gluten free muffins
- 9. Process for preparation of alcoholic beverage with Nutraceutical properties from Kinnow peels
- 10. Vermi- drain based technology for promoting plant growth
- 11. Process for production of beetroot powder
- 12. A new process for milling of millets to get refined powder
- 13. Process of manufacturing mix for ready to constitute makhana kheer
- 14. Processing of Aonla for manufacturing of value added products
- 15. A new technique for Processing of the Mustard Seed for Reducing refining cost and Improving Quality of Oil.
- 16. A process of separating a compound containing allylisothiocynate from mustard seed (Bioinsecticide from mustard seed)
- 17. A low energy process of dehulling of mustard seeds
- 18. Tomato puree manufacturing and bottling technology

Products

- 1. Porous bricks
- Groundnut Based Flavoured Beverage, Curd And Paneer
- 3. Mustard sauce

- 4. Rice husk based bleaching material for oil refining
- 5. Pearl millet Based extrudates, pasta and weaning mix
- 6. Pearl millet based ready to reconstitute upma and halwa
- 7. Process for making green chilli puree and powder
- 8. Blended guava leather/bar
- 9. Nutritious functional chapatti flour
- 10. Ready to reconstitute mustard (Brassica juncea) Saag
- 11. Production of Cattle feed from Potato Industry waste
- 12. Value added products from meat
- 13. Dried beetroot supplemented extrudates

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