

## **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
5. 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 allylisothiocyanate 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
2. 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

**Contact us**

**Dr. Ranjeet Singh, I/C ITMU**

E. mail-ciphet.icar@gmail.com, razi3dec@gmail.com

Tele: +91-161-2313135, +91-161-2313126, +919876621203

Fax : +91-161-2308670

Web.: [www.ciphet.in](http://www.ciphet.in)