

R&D projects implemented through SERB (2012-13 to 2016-17)

Sr. No.	Year of approval	Project Title		State	Sanctioned grant (Rs. In lakh)	Grant Released (Rs. In lakh)	Status
1	2012-13	Development of Piperine Conjugates to Increase the Bioavailability of Iron	GITAM University, Visakhapatnam	Andhra Pradesh	15	14.99	Completed
2	2012-13	Optimization of Operational Parameters for the Extraction of Thiamine from Rice and Wheat Brans and Enrichment of Foods	GITAM University, Visakhapatnam	Andhra Pradesh	9.5	9.16	Completed
3	2013-14	Development of a three dimensional culture system to produce meat from chicken satellite cells	GITAM University, Visakhapatnam	Andhra Pradesh	15	15	Completed
4	2012-13	Quality Assessment of traditionally processed dried fish of the North East India	Gauhati University, Guwahati	Assam	32.93	32.41	Completed
5	2012-13	Development of Degradable Food Packaging Technology 'Green-PACK'	IIT Guwahati	Assam	29.97	29.17	Completed
6	2013-14	Pilot Scale Process Technology for ' BHIM KOL ' (MUSA BALBISIANA) Slice, Grits and Powder using Hybrid Drying Methods	Tezpur University, Napaam	Assam	36.16	36.16	Completed
7	2013-14	Studies on development of cereal based functional breakfast food from the underutilized crops of North-East India	Tezpur University, Napaam	Assam	29.02	29.01	Completed

8	2012-13	Osmotic dehydration and Microwave vacuum drying of Kachkal Banana	Tezpur University, Napaam	Assam	20.81	20.41	Completed
9	2014-15	Development of Value added food products from Leaf Protein concentrate of Green Leafy Vegetables of Assam	Tezpur University, Napaam	Assam	21.55	21.26	Completed
10	2014-15	Development of a Process for Effective use of Acetylcholinesterase (AChE) Biosensors for Quantification of Organophosphate and Organocarbamate Pesticide Residues in Produce	Tezpur University, Napaam	Assam	12.79	12.79	Completed
11	2015-16	Biodegradable Polymer based Thermally Conductive Packaging Films 'Thermo-Pack'	IIT Guwahati	Assam	38.5	34.59	Completed
12	2015-16	Development of shelf stable pork products using retort processing technology for promoting entrepreneurship in north eastern states of India	NRC Pig, Guwahati	Assam	44.15	43.19	Completed
13	2015-16	Evaluation of nutritive values of wild and cultivated edible insects of Assam and their processing for boosting shelf life and rural economy	Gauhati University, Guwahati	Assam	38.92	33.46	Completed
14	2012-13	Kinetic of Thermal Degradation of Chlorophyll in Green Leafy Vegetables and Increasing the Shelf life of the vegetables	NIT Raipur, Raipur	Chhattisgarh	11.71	10.25	Completed

15	2013-14	Development of Phenolic Enriched Multigrain Bread with Improved Functional Quality	IARI, New Delhi	Delhi	49.81	47.12	Completed
16	2013-14	Biotechnological approaches for utilisation of deoiled seed cakes in producing food enzymes and chemicals	IIT Delhi	Delhi	22.91	21.15	Completed
17	2013-14	In vitro assessment of the effects of commercially available nutraceuticals and oligosaccharides as prebiotics on the human gut microflora	IIT Delhi	Delhi	23.23	21.15	Completed
18	2012-13	Development and Optimization of Edible Coating Formulations to Improve the Postharvest Quality and Shelf-life of Underutilized Short Lived Fresh Fruits by using RSM	Sardar Patel University, Vallabh Vidyanagar	Gujarat	17.12	16.19	Completed
19	2013-14	Development of Process of Technology for Functional Snack Food Using Flaxseed	A.D. Patel Institute of Technology, Anand	Gujarat	4.04	4.04	Completed
20	2013-14	Healthy Foods: Production of Stable and Active Probiotics	NDRI, Karnal	Haryana	35.82	28	Completed
21	2013-14	Development of Strip based detection tests for selected adulterants and contaminants in milk	NDRI, Karnal	Haryana	49.84	39.57	Completed
22	2013-14	Development of Chromatographic and PCR Based Methodology to Ascertain the Quality of Milk Fat and its Validation under Filed	NDRI, Karnal	Haryana	14.85	11.18	Completed

		Conditions					
23	2013-14	Production of buffalo casein hydrolysates enriched with antioxidative and immunomodulatory peptides and their application for the development of functional beverage	NDRI, Karnal	Haryana	50	46.66	Completed
24	2013-14	Mineral bound milk based ingredients: Preparation, characterization and application	NDRI, Karnal	Haryana	46.85	41.65	Completed
25	2013-14	Preparation and Characterization of Nanoemulsions of Curcumin for their use in Functional Foods	NDRI, Karnal	Haryana	19.97	14.88	Completed
26	2014-15	Evaluation of Green Functional Foods fortified with Cereal grassesd in reducing risk of Metabolic Syndrome	NIFTEM	Haryana	27.5	14.2	Completed
27	2015-16	Effects of Microfluidization on the quality of fruit flavoured and low fat yoghurt	NIFTEM	Haryana	54.58	35.8	Completed
28	2015-16	Technology of Heart Friendly Herbal - Milk Smoothe with Prophylactic Effect against CVD and Associate Risks	NDRI, Karnal	Haryana	43.36	36.23	Completed
29	2015-16	Evaluation of Anti-biofilm, Anti-microbial effect of natural compounds against food	NIFTEM	Haryana	34.31	27.56	Completed

		- bourne pathogens					
30	2013-14	Extraction of resistant starch from Horse chestnut and rice, its utilization as an encapsulating agent for targeted delivery into the clone	University of Kashmir, Srinagar	J&K	55.45	55.45	Completed
31	2013-14	Use of Natural Resins and Gums for Preservation and Value Addition of Fishery Products	1. Indian Institute of Natural Resins & Gums, Ranchi 2. Mumbai Research Centre of Central Institute of Fisheries Technology, Mumbai	Jharkhand	43.55	27.13	Completed
32	2013-14	Biotechnological approaches to regulate fermentation and drying process of cocoa.	CFTRI, Mysuru	Karnataka	20.36	15.97	Completed
33	2012-13	Production of n-3 Polyunsaturated Fatty Acids Concentrate from Sardine Oil	NIT, Mangalore	Karnataka	46.79	39.81	Completed
34	2012-13	Nutritionally Enriched Innovative Convenience Foods Suitable for Industrial Production from Underutilized Grains	CFTRI, Mysuru	Karnataka	20	17.74	Completed
35	2012-13	Comparative Evaluation of Enzymatic and Fermentative methods for Preparation of Chicken liver Hydrolystates: Recovery, Biofunctional Characterization and	CFTRI, Mysuru	Karnataka	41.64	39.46	Completed

		Application					
36	2012-13	Development of Process for nanoencapsulation of polyphenols for food supplement applications	CFTRI, Mysuru	Karnataka	20.29	18.5	Completed
37	2013-14	Biotechnological Production of Bioactive Metabolites from Therapeutic Fungal Biofactory Ganoderma sp. for Pharmaceutical Applications	CFTRI, Mysuru	Karnataka	26.76	19.88	Completed
38	2013-14	Reverse Micellar Extraction of Lactoferrin from Whey: Continuous Process	NIT, Mangalore	Karnataka	37.6	32.21	Completed
39	2014-15	Developing Inexpensive, Disposable and Biodegradable Food Containers Using Agricultural Wastes	Jain University, Bangalore	Karnataka	7.54	6.77	Completed
40	2013-14	Scale up of chitosan based coating formulation for preservation of selected fruits	CFTRI, Mysuru	Karnataka	21.89	20.96	Completed
41	2014-15	Scale-Up and Down Stream Processing of Stable Pigment & Key Metabolites from Morus Alba	CFTRI, Mysuru	Karnataka	27.58	19.8	Completed
42	2014-15	Edible Confectionery Chews and Functional Beverage Mix for Increased/Sustenance of Energy Levels in Sports Personnel	CFTRI, Mysuru	Karnataka	13.17	11.83	Completed

43	2014-15	Development of technology for production of multigrain semolina mixes and its food application	CFTRI, Mysuru	Karnataka	29.83	29.01	Completed
44	2015-16	Identification and characterisation of bioactive metabolites from the fruits of under-utilized plants: <i>Malpighia glabra</i> and <i>Ixora coccinea</i> their post-harvest processing for value addition	CFTRI, Mysuru	Karnataka	40.54	39.48	Completed
45	2015-16	Development of equipment for grating cum seed separation of Amla and a process for production of green Amla powder	CFTRI, Mysuru	Karnataka	14.36	13.38	Completed
46	2015-16	Development of technologies for value addition to under utilized rhizomes	CFTRI, Mysuru	Karnataka	29.76	23.73	Completed
47	2015-16	Technologies for Development of Value Added Products from Green Coffee	CFTRI, Mysuru	Karnataka	34.42	30.14	Ongoing
48	2012-13	Studies in Physico-Chemical Properties of Plasma Processed Rice grains	ICT, Mumbai	Maharashtra	22.38	17.77	Completed
49	2013-14	Microencapsulation of anthocyanin pigment extracted from kokam (<i>Garcinia indica</i>) processing industry waste	Shivaji University	Maharashtra	33.47	31.45	Completed
50	2012-13	Development of Continous and Energy Efficient Cooking Devices and Practices	ICT, Mumbai	Maharashtra	25.83	16.91	Completed

51	2013-14	Studies on Post Harvest Application of 1-MCP on Shelf Life and Quality of Mango and Tomato Fruits	Dr. Baba Saheb Amedkar Marathwada University, Aurangabad	Maharashtra	38.72	38.72	Completed
52	2013-14	Biochemical composition of Bombay duck fish, and functional characterisation of its muscle proteins	CIFE, Versova	Maharashtra	25	21.56	Completed
53	2013-14	Synthesis and Characterization of Nano-Cellulose and its Application in Biodegradable Polymer Composite Films for Food Packaging	ICT, Mumbai	Maharashtra	32.73	23.91	Completed
54	2013-14	Extraction and Concentration of Bioactive Compounds and Sugars from Horticultural Processing Waste using Microwave-Membrane Technology	IIT Mumbai	Maharashtra	27.63	26.4	Completed
55	2015-16	Intensified Recovery of Valuable Products from Whey using Ultrasound	ICT, Mumbai	Maharashtra	41.41	36.45	Ongoing
56	2014-15	Approaches to Value Addition of the Chow-Chow Fruit by its Fermentation to a Nutritionally Improved Product	State Institute of Rural Development, Nongsder	Meghalaya	33	24.75	Completed
57	2015-16	Development of Cost Effective Microwave-Infrared-UV Assisted Continuous Sterilization Process for Spices	NIT, Rourkela	Odisha	53.62	52.55	Completed

58	2014-15	Development of Functional Mixed Starter Culture for Idli Using Microbial Biodiversity and Interrelationship	Pondicherry University, Pondicherry	Pondicherry	48.8	47.77	Completed
59	2013-14	Chemical, rheological and processing quality of fractions produced by successive size reduction milling of different wheat varieties	GNDU, Amritsar	Punjab	69.2	66.6	Completed
60	2013-14	Improving the microbial safety and nutritional quality of fresh meat using a low cost refrigerated cabinet for retail marketing of meat in street meat shops	Central Institute of Post Harvest Engineering and Technology, Ludhiana	Punjab	11.69	7.84	Completed
61	2014-15	Encapsulation of Natural Bioactive Compounds and Micronutrients for the enhancement of Nutritive, Preservative and Processing functionality of Meat products	GADVASU, Ludhiana	Punjab	55	52.98	Completed
62	2013-14	Development and Quality Evaluation of Gluten free Products for Celiac Disease Patients	GNDU, Amritsar	Punjab	45.42	44.42	Completed
63	2014-15	Reviving the Utilization of Millets and Minor Cereals in Chapatti to Deliver Bioactive Components	GNDU, Amritsar	Punjab	52.88	44.94	Completed
64	2014-15	Isolation and Characterization of Dairy Flora of Punjab Region as Probiotic with Bio-therapeutic Potential and Development of Preservation	GADVASU, Ludhiana	Punjab	70.55	68.54	Completed

		Technology for Ready to Use Cultures					
65	2015-16	Rapid and confirmatory detection of important animal meat based food borne pathogens and its associated toxicants and natural toxicants by using immuno-histopathological and molecular techniques- A step towards One Health Concept	GADVASU, Ludhiana	Punjab	47.46	43	Completed
66	2013-14	Ultrasound processing of liquid food: Feasibility and Efficacy.	IIFPT, Thanjavur	Tamil Nadu	9.98	8.68	Completed
67	2013-14	Phosphine and Carbon dioxide (CO2) Combinations as Alternative to Methyl Bromide to Manage Stored Pests of rice Under Bulk Storage	IIFPT, Thanjavur	Tamil Nadu	39.8	33.29	Completed
68	2013-14	Package of Technologies for On-farm Processing, Value Addition and Safe Storage of Onions	IIFPT, Thanjavur	Tamil Nadu	49.97	45.92	Completed
69	2012-13	Design and development of Ohmic Heating System for Pasteurization of Liquid Egg White and to Enhance the Functional Properties of Egg White Albumen	TNAU, Coimbatore	Tamil Nadu	20.28	15.14	Completed
70	2012-13	Design and Evaluation of a Tamarind Fruit dehuller and Deseeder	TNAU, Coimbatore	Tamil Nadu	10.44	8.53	Completed

71	2012-13	Feasibility Study of Pulse Power Technique: Alternative Technology for Water Treatment	IIT Madras	Tamil Nadu	29.99	25.49	Completed
72	2012-13	Development of database for Indian seafood safety and traceability based on AFLP markers	TNVAS, Thoothukudi	Tamil Nadu	31.45	31.05	Completed
73	2012-13	Prebiotic Efficacy of Xylooligosaccharides (XOS) and their Food Applications	1. TNAU, Coimbatore 2. Anna University, Tamil Nadu	Tamil Nadu	27.7	23.84	Completed
74	2013-14	Developing New Technologies for Processing Sugarcane Juice	Sugarcane Breeding Institute, Coimbatore	Tamil Nadu	38.35	38.35	Completed
75	2013-14	Developing Post Harvest Mechanization Package for Banana Central Core	Central Institute of Agricultural Engineering, Coimbatore	Tamil Nadu	37.96	30.85	Completed
76	2014-15	Lactic acid bacteria of functional interest in nutrition of finger millet	TNAU, Coimbatore	Tamil Nadu	21.84	21.17	Completed
77	2014-15	Industrial Process Development for Meat Preservation by Natural extracts	Anna University, Chennai	Tamil Nadu	35.84	34.88	Completed
78	2014-15	Evaluation of Physiochemical, Nutritional, Pasting and Textural Characteristics of Processed Millets Based Foods	Periyar University, Salem	Tamil Nadu	43.78	42.76	Completed
79	2015-16	Industry waste water treatment adopting pulsed power technique	IIT Madras	Tamil Nadu	60.3	59.57	Completed

80	2014-15	Fabrication of Highly Sensitive nanocomposited MnO ₂ /CNTs Based Sensor for Detection of Hydrogen Peroxide in Milk	Bishop Heber College, Tiruchirappalli	Tamil Nadu	39.82	38.38	Completed
81	2015-16	Identification of sustainable technologies for value chain development of Jackfruit	IIFPT, Thanjavur	Tamil Nadu	51.86	40.35	Completed
82	2015-16	Solar Energy Assisted On-Farm Thresher Cum Winnowing Processing Gadgets For Millet Farmers	IIFPT, Thanjavur	Tamil Nadu	48.62	39.31	Ongoing
83	2012-13	Nanopatterning with low temperature process for the production of instant foaming soluble coffee	IIFPT, Thanjavur	Tamil Nadu	48.84	46.16	Completed
84	2013-14	Functionalized polymers for processing of soymilk and apple juice	IICT, Hyderabad	Telangana	33.34	29.67	Completed
85	2015-16	Production of Selenium enriched functional meat through nutrient supplementation in sheep	NRC Meat, Hyderabad	Telangana	51.22	49.29	Completed
86	2015-16	Extraction of Proteins and Phytic Acid from Waste Rice Bran using Biocatalysis	IICT, Hyderabad	Telangana	37.17	37.06	Completed
87	2015-16	Development of nutrient rich, low GI multiple whole grain products	NIN, Hyderabad	Telangana	45	43.32	Completed
88	2015-16	Detection and Quantification of Animal Body Fat (Tallow)/Vegetable Fat in Milk Fat/Ghee	NRC Meat, Hyderabad	Telangana	98.4	96.31	Completed

89	2014-15	Development of intelligent packaging sensors for monitoring quality and safety of meat and meat products in supply chain	IVRI, Bareilly	Uttar Pradesh	44.67	36.89	Completed
90	2014-15	Development of Nano-Immuno Rapid Test to detect Mycobacterium avum subspecies paratuberculosis in Milk samples	CIR Goat, Makhdoom	Uttar Pradesh	65.78	46.23	Completed
91	2015-16	Development of Functional Fish Sausage for Promoting Entrepreneurship	CIFE, Kolkatta	West Bengal	43.31	33	Completed
Total					3182.23	2830.53	

R&D projects sanctioned by MoFPI under PMKSY (2017-18 to 2025-2026)

Sr. No.	Year of approval	Project Title	Institute/ College/ University	State	Sanctioned grant (Rs. In lakh)	Grant Released (Rs. In lakh)	Status
1	2018-2019	Development of an Antimicrobial Protein/Peptide for Food Industries	Central food Technological Research Institute, Mysore	Karnataka	66.78	60.48364	Completed
2	2018-2019	Novel, non-thermal energy efficient, industrially scalable hydrodynamic cavitation processing of apple juice for enhanced nutritional bioactives and shelf life extension	Institute of chemical technology	Maharashtra	44.10	37.29240	Completed
3	2018-2019	Application of Refractance Window Dryer in Food Industry/ Food Product	A.D. Patel Institute of Technology	Gujarat	12.53	12.53357	Completed
4	2018-2019	Development of bio-fumigation system for safe storage of food commodities against stored product insect pests	CSIR-Central Food Technological Research Institute	Karnataka	16.46	10.76665	Completed
5	2018-2019	Effect of thermal Processing on Proximate composition and antioxidant activity Indian edible brown seaweeds sargassum wightii and development of nutraceutical sand functional food from it	National Institute of Food Technology Entrepreneurship and Management (NIFTEM), Kundli, Sonipat, Haryana	Haryana	36.25	36.24673	Completed
6	2018-2019	Effective utilization of bio-waste from small onion in food	NIFTEM, Thanjavur, Thanjavur- 613 005, Tamil Nadu.	Tamil Nadu	34.37	32.65667	Completed

		processing applications					
7	2018-2019	Integrated coconut processing unit for continuous removal of shell, testa, coconut water and dicing of coconut meat	NIFTEM, Thanjavur, Thanjavur- 613 005, Tamil Nadu.	Tamil Nadu	51.92	47.47986	Completed
8	2018-2019	3-D Printed Foods: Personalized Nutrition to Address Malnutrition in India	NIFTEM, Thanjavur, Thanjavur- 613 005, Tamil Nadu.	Tamil Nadu	55.42	50.28466	Completed
9	2018-2019	Process optimization for oil uptake reduction using protein isolates/ hydrocolloids in the development of deep fried traditional Gujarati Snacks.	Sardarkrushinagar Dantiwada Agricultural University, Sardarkrushinagar, Dist. Banaskantha, Gujarat	Gujarat	51.85	42.54922	Completed
10	2018-2019	Preparation, characterization and evaluation of encapsulated eggplant peel extract and potato peel extract in Edible Oil	National Institute of Food Technology Entrepreneurship and Management Kundli, Sonipat, Haryana	Haryana	31.46	29.53378	Completed
11	2018-2019	Development of Good Quality and Healthy Ready to Drink Concoction of Milk Tea	Guru Angad Dev Veterinary and Animal Sciences University, Ludhiana, Punjab	Punjab	41.12	39.72451	Completed
12	2018-2019	Modification of Natural polymers- Starches for better application in food sector	Institute of Chemical Technology, Mumbai	Maharashtra	32.95	30.83126	Completed
13	2018-2019	Evaluation of tree tomatoes (tamarillo) of Nagaland utilizing the pulp, peel and seeds for its commercialization	Tezpur University, Tezpur, Assam	Assam	33.04	31.58264	Completed

14	2018-2019	Development of instant probiotic fruit juice powder	NIFTEM, Sonipat, Haryana	Haryana	34.40	25.70000	Completed
15	2018-2019	Development of functional food Products from mycelium of medicinal mushrooms.	Centre for Rural Development and Technology (CRDT), IIT Delhi	Delhi	67	57.53837	Completed
16	2018-2019	Value added products from poultry sleeves for environmental and economical viability of poultry processing	Indian Veterinary Research Institute, Izatnagar, Bareilly	Uttar Pradesh	50.05	46.29669	Completed
17	2018-2019	Development of a protocol for reduction of acrylamide levels in selected potato based snack foods	National Institute of Food Technology Entrepreneurship and Management Kundli, Sonipat, Haryana	Haryana	26.04	25.50596	Completed
18	2018-2019	Effect of dual modifications on starch isolated from various cultivars of sorghum for the production of specialty and resistant starches and evaluation of genotype diversity in cultivars using flour as model	Motilal Nehru National Institute of Technology, Allahabad-211004	Uttar Pradesh	31.61	29.31904	Completed
19	2018-2019	Development of active intelligent packaging system with antimicrobial agent for fruits and vegetables	NIFTEM, Thanjavur, Thanjavur- 613 005, Tamil Nadu.	Tamil Nadu	53.04	45.94250	Completed
20	2018-2019	Extraction, purification and formulates of w-3 PUFA's dosage-form derived from plant source as a health supplement: A replacement	Babasaheb Bhimrao Ambedkar University, Lucknow, UP	Uttar Pradesh	61.72	57.76204	Completed

		strategy for marine based PUFA's					
21	2018-2019	Development of technological interventions for enhancement of quality, shelf-life, and microbiological safety of traditional/ethnic meat products	ICAR-National Research Centre on Meat	Telangana	25	22.77000	Completed
22	2018-2019	Development of an edible coating containing bioactives from mulberry leaves for the management of bell pepper anthracnose	CFTRI, Mysuru, Karnataka	karnataka	25.2	19.08274	Completed
23	2018-2019	Design and development of hot air assisted continuous Infrared drying system for high value fish and fishery products	ICAR-Central Institute of Fisheries Technology, Cochin, Kerala	Kerala	27.02	25.02272	Completed
24	2018-2019	Technology development for micronutrient fortification of semolina, dalia, bansi rava and its utilization in traditional and pasta products	CSIR-CFTRI, Mysore, Karnatka	Karnataka	29.5	24.39049	Completed
25	2018-2019	Utilization of pulse milling by-product for edible use	ICAR-Indian Institute of Pulses Research, Kalyanpur, Kanpur, UP	uttar pradesh	54	48.90014	Completed
26	2018-2019	Formulation and antioxidant evaluation of value added convenience foods using processed millets	Periyar University, Salem, Tamil Nadu	Tamil Nadu	42.2	40.95368	Completed

27	2018-2019	Probiotic enriched vitamin B12 fortified food products	Anna University, Chennai	Tamil Nadu	48.03	45.84558	Completed
28	2018-2019	Development of Immunomodulatory Exopolysaccharides Containing Healthy Fermented Dairy Foods	ICAR-NDRI, Karnal, Haryana.	Haryana	41.25	32.70053	Completed
29	2018-2019	Development of diversified millet products for the nutritional security of future generations and improving livelihood of millet farmers	NIFTEM, Thanjavur, Thanjavur- 613 005, Tamil Nadu.	Tamil Nadu	46.85	40.39385	Completed
30	2018-2019	Integrated Processing of Beverages from Minor Tropical Fruits: Process Optimization and Shelf-Life Extension	Institute of Chemical Technology, Mumbai, Nathalal Parekh Marg, Matunga E, Mumbai, Maharashtra - 400019	Maharashtra	36.47	26.41107	Completed
31	2018-2019	Development of non-dairy synbiotic food to ensure food safety and combat hidden hunger deficiency.	NIFTEM, Thanjavur, Thanjavur- 613 005, Tamil Nadu.	Tamil Nadu	30.3	25.41211	Completed
32	2018-2019	Studies on application of natural antimicrobial peptides for enhancing shelf life of milk and meat products	LalaLajpatRai University of Veterinary and Animal Sciences, Hisar	Haryana	40.54	31.63349	Completed
33	2018-2019	Effect of parboiling and germination on composition, functional and processing Characteristics of paddy rice cultivars	Guru Nanak Dev University, Amritsar, Punjab	Punjab	73.08	70.41709	Completed

34	2018-2019	Design, development and application of novel functional nanofiltration membranes for the processing of vegetable oils	CSIR-CFTRI, Mysuru, Karnataka	Karnataka	51.216	51.21600	Completed
35	2018-2019	Development of Processing Technology and Prototype Unit for Manufacture & Shelf Life Extension of Sugarcane Juice	IIT Kharagpur	West Bengal	53.9	36.95000	Completed
36	2019-2020	Development of millet based gluten-free breads	CSIR-CFTRI, Mysuru, Karnataka	Karnataka	28.6	21.80000	Completed
37	2019-2020	Development of calcium enriched high milk protein powder for convenience formulations of traditional dairy products	NDRI, Karnal, Haryana	Haryana	22.21	19.58336	Completed
38	2019-2020	Development of value added products from coffee leaves	CSIR-CFTRI, Mysuru, Karnataka	Karnataka	19.25	9.62500	Completed
39	2019-2020	Evaluation of poly-spice (functional food) formulation for diabetes and its complications	NIN, Hyderabad	Telangana	39.42	33.67821	Completed
40	2019-2020	Development of process for production of coconut sap (Neera) sugar crystals and granules	NIFTEM, Thanjavur, Thanjavur- 613 005, Tamil Nadu.	Tamil Nadu	45.36	39.85063	Completed
41	2019-2020	Waste of wealth: Extracting nutraceutical (polyphenols) from tropical fruits residue by biorefinery approach	Visvesvaraya National Institute of Technique, Nagpur	Maharashtra	32.79	32.79000	Completed

42	2019-2020	Development of natural food additives by utilizing grapes processing wastes	Central for post harvest technology, Agricultural Engineering College and Research University, Tamil nadu Agricultural University, Coimbatore, Tamil Nadu	Tamil Nadu	17.5	15.56861	Completed
43	2019-2020	Design and Development of Continuous Rice Cooking Machine	CSIR-CFTRI, Mysuru, Karnataka	Karnataka	31.6	24.05000	Completed
44	2019-2020	Development of methods to assess the chemicals migration from the packaging used for dairy products	NDRI, Karnal, Haryana	Haryana	23.72	17.60887	Completed
45	2019-2020	Development of anti-inflammatory functional food from Norabogori (Prunus persioca) of Assam	Tezpur University, Tezpur, Assam	Assam	27.71	25.54532	Completed
46	2019-2020	Process technology for instant mixes for varieties of payasam, Kheer and Phirni using Dry Crystallisation Approach	NDRI, Southern Regional station Bangaluru, Karnataka	Karnataka	8.43	5.51234	Completed
47	2020-2021	Refinement of traditional fermentation technology of some vegetable pickles of J&K region	Dept. of Food Science and Technology, University of Kashmir	J&K	42.71	37.43973	Completed
48	2020-2021	Monascus Purpureus CFR 410-11 fermented cowpea Tofu as functional food	Central Food Technological Research Institute, Mysore	Karnataka	24.9	23.23450	Completed
49	2020-2021	Development of crisps from fruits and vegetables	Division of Food Science and Post harvest Technology, IARI, PUSA, New Delhi	Delhi	24.24	22.06600	Completed
50	2020-2021	Development of value chain for	ICAR-Central Arid Zone Research	Rajasthan	32.39	26.51196	Completed

		multi-purpose commercial utilization of selected arid fruits	Institute, Jodhpur, Rajasthan				
51	2020-2021	Harvesting of techno-functional applications of selected bacterial exopolysaccharides from food origin	Pondicherry University, Kalapet, Puducherry	Puducherry	31.9	22.03586	Completed
52	2020-2021	Optimization of Processing Variables for Quality Improvement of Ethnic Meat Products of Jammu and Kashmir	Livestock Products Technology, Sher e Kashmir University of Agriculture & Technology	J&K	28.16	24.29582	Completed
53	2020-2021	A process for enhancing production of edible eicosapentaenoic acid and docosahexaenoic acid enriched oil from fish industrial discard	CSIR- Central Food technological Research Institute, Mysore- 570020, Karnataka	Karnataka	46.13	40.33886	Completed
54	2020-2021	Processing of millets and pseudocereals for preparation of nutritionally enriched products	CSIR- Central Food technological Research Institute, Mysore- 570021, Karnataka	Karnataka	23.79	21.54714	Completed
55	2020-2021	Development of a bioactive encapsulated functional food product for diabetics that can modulate PPAR γ	CSIR- Central Food technological Research Institute, Mysore- 570022, Karnataka	Karnataka	23.1	20.38922	Completed
56	2020-2021	Pineapple fruit waste (processing by-products); characterisation and its utilisation in development of millet based probiotic	NIFTEM, Thanjavur, Thanjavur- 613 005, Tamil Nadu.	Tamil Nadu	28.09	26.04162	Completed

		fermented products					
57	2020-2021	Design and Development of a System for Trapping of Bioactive components from selected Fruits (Mango, Orange, Pineapple, Banana and Grape) and Vegetables (Onion, Carrot, Garlic, Mint and Ginger) during Drying process.	NIFTEM, Thanjavur, Thanjavur- 613 005, Tamil Nadu.	Tamil Nadu	32.94	27.16600	Completed
58	2020-2021	Development of enzyme based biomarkers for rapid differentiation of fresh and frozen-thawed meat with special reference to poultry meat	ICAR-IVRI, Bareilly, U.P.	Uttar Pradesh	41.752	36.23663	Completed
59	2020-2021	Fortification of Vitamin A & D in soya milk for health benefits	IIT Kharagpur	West Bengal	32.12	31.00804	Completed
60	2020-2021	Design and development of user choice based fresh juice making vending machine	Dr. B. R. Ambedkar Institute of Technology, Port Blair – 744103, Andaman and Nicobar Islands	Andaman & Nicobar Islands	35.54	23.27000	On-going
61	2020-2021	Development of Portable Fish Freshness Assessment Sensor	ICAR - Central Institute of Fisheries Technology, Cochin, Kerala	Kerala	26	21.69827	Completed
62	2020-2021	Polycyclic Aromatic Hydrocarbons (PAHs) and Polychlorinated biphenyls (PCBs) in Indian grilled and fried fish products, prevention strategy and dietary risk assessment	NIFTEM, Kundli, Sonapat, Haryana	Haryana	29.15	23.83444	Completed
63	2020-2021	Application of nano-immobilized	ICAR-NDRI, Bangalore, Karnataka	Haryana	43.94	31.97000	Completed

		β -Galactosidase for production of galactooligosaccharides from dairy by-product					
64	2020-2021	Development and standardization of Millet Based Functional Foods for distribution in a public funded program	ICAR- Indian Institute of Millets Research, rajendranagar, Hyderabad, Telangana	Telangana	43.27	33.34878	Completed
65	2020-2021	Production of dairy powder from by-products (ghee residue and butter milk): Characterization and application in heat desiccated products/convenience formulations	ICAR-NDRI, Karnal, Haryana	Haryana	43.52	32.01000	Completed
66	2020-2021	Design and development of continuous ohmic heating system to soak and parboil traditional paddy varieties and stabilize bran	NIFTEM, Thanjavur, Thanjavur- 613 005, Tamil Nadu.	Tamil Nadu	29.52	24.45797	Completed
67	2020-2021	Innovative Indigenous Technology Development for Comprehensive Valorization of waste from Citrus Fruit Processing Industries	NIFTEM, Kundli, Sonapat, Haryana	Haryana	51.04	46.78829	Completed
68	2020-2021	Development of an Industrial scale cold plasma unit for decontamination of fruits and vegetables	CFTRI, Mysuru, Karnataka	Karnataka	32.59	29.98281	Completed
69	2020-2021	Ultrasound processing of liquid food on a pilot scale: Feasibility and Efficacy	NIFTEM, Thanjavur, Thanjavur- 613 005, Tamil Nadu.	Tamil Nadu	29.74	27.20948	Completed

70	2020-2021	Development of pineapple leaf based biodegradable straw and paper food packaging containers (tea, coke, ice cream cups & popcorn box)	CSIR-National Institute for Interdisciplinary Science and Technology, Thiruvananthapuram , Kerala	Kerala	21.42	20.00781	Completed
71	2020-2021	Phytochemical profiling and valorisation of Pomelo fruit of Northeast region	Tezpur University, Tezpur, Assam	Assam	41.48	37.54932	Completed
72	2020-2021	Development of Blockchain-based Traceability Solution for Agri-Food Supply Chains	NIFTEM, Kundli, Sonapat, Haryana	Haryana	18.73	16.18872	Completed
73	2024-2025	Development of Microfluidic-based Viscosity-Measurement System for Adulteration in Edible Oils	CSIR-CEERI(Central Electronics Engineering Research Institute),Pilani Rajasthan, India	Rajasthan	23.88	5.70012	On-going
74	2024-2025	Extraction and Stabilization of Microalgae-Derived Red Pigment Phycoerythrin for Food Application.	Department of Food Science and Technology Kerala University of Fisheries and Ocean Studies Panangad, Kochi, Kerala-682506	Kerala	26.52	18.69301	On-going
75	2024-2025	Design and Development of an energy efficient novel non-thermal electro hydrodynamic drying system for spices	National Institute of Technology (NIT), Rourkela-769008, Odisha	Odisha	24.8	17.24809	On-going
76	2024-2025	Circular Food Processing: Harnessing Microwave and Extrusion Technology for Development of Nutrient-Dense Food and Feed	Department of Food Process Engineering, National Institute of Technology Rourkela-769008, Odisha	Odisha	46.1	0	On-going

		Products from Agricultural and Livestock Residues					
77	2024-2025	Develop cost-effective techniques for producing protein rich fractions, extracting proteins and developing functional plant-based proteins products from legumes and millets	Graphic Era deemed to be University , 566/6, Bell Road, Society Area, Clement Town, Dehradun-248002 Uttarakhand	Uttarakhand	56	28.00000	On-going
78	2024-2025	A circular economy-based approach towards fabrication of tuna processing waste mediated nutraceuticals: A Lakshadweep Island based case study	ICAR- Central Institute of Fisheries Technology, Cochin, Kerala, Willingdon Island, Matsyapuri PO, Cochin-682029	Kerala	33.87	0	On-going
79	2024-2025	Technology Development for Pilot Scale Production of Ready to Eat Germinated Snack Food	National Institute of Food Technology Entrepreneurship & Management (NIFTEM), Plot no. 97, Sector 56, HSIIDC Industrial Estate, Kundli, Sonipat, Haryana, 131028	Haryana	26.54	0	On-going
80	2024-2025	Development and characterization of non-thermally processed camel milk and its products with mapping of anti-diabetic effect in streptozotocin induced diabetic rats	National Institute of Food Technology Entrepreneurship & Management (NIFTEM), Plot no. 97, Sector 56, HSIIDC Industrial Estate, Kundli, Sonipat, Haryana, 131028	Haryana	26.58	14.60154	On-going
81	2025-2026	Development of a Pre-cooler cum Disinfection Based Self-Cooled Green Storage Unit for	Department of Food Process Engineering, National Institute of Technology (NIT) Rourkela Pin-769008 , Odisha.	Odisha	31.374	0	On-going

		Fruits and Vegetables					
82	2025-2026	Modified Agroindustry waste (as Nanocellulose/microfibers) reinforced biodegradable plastic with antimicrobials as alternative for single use applications	Aim Lab, BT I, second floor, Department of Biotechnology, Indian Institute of Technology-Madras, Adyar, Chennai-600036.	Tamil Nadu	46.32	0	On-going
83	2025-2026	Technology for naturally coloured functional emulsified dips from biofortified (carotenoids and anthocyanins rich) sweet potatoes	Division of Food-Science & Postharvest Technology, ICAR-Indian Agricultural Research Institute, Pusa Campus, New Delhi-110012	New Delhi	40.83	0	On-going
84	2025-2026	Processing and value addition of coconut embryo based food products	Department of Agricultural Extension and Rural Sociology, Tamil nadu Agricultural University, Coimbatore, 641 003	Tamil Nadu	34.888	0	On-going
85	2025-2026	Addressing Challenges of Shelf Life Extensions of Easily Perishable Fruits by Dehydration and Refrigeration Techniques and Preparation of Food Products	Motilal Nehru National Institute of Technology Allahabad, Prayagraj-211004	Uttar Pradesh	46.7716	0	On-going
86	2025-2026	Development of Sustainable Options by Utilizing Locally Available Finger Millet in Odisha through Transformative Technologies for Circular Economy	National Institute of Technology Rourkela, Odisha, India, 769008	Odisha	33.02	0	On-going
87	2025-2026	Synergistic fortification for designing Vitamin	NIFTEM, Kundli HSIIDC Plot 97 Sector 56	Haryana	60.8189	0	On-going

		D, Vitamin B2 and Vitamin B12 enriched Super Foods	Sonipat Haryana 131028				
88	2025-2026	Value addition of raw banana, its glycemic index studies and relation to bioactive carbohydrates	Agro processing Technology Division, CSIR National Institute for Interdisciplinary Science and Technology (NIIST), Thiruvananthapuram -695019, Kerala, India	Kerala	29.178	0	On-going
89	2025-2026	Phytoactive-Rich Nutraceuticals: Tapping the Health Benefits of Underutilized Green Leafy Vegetables	Agro-processing and Technology Division, National Institute for Interdisciplinary Science and Technology Council of Scientific and Industrial Research, Industrial Estate PO Pappanamcode Thiruvananthapuram Kerala	Kerala	51.3838	0	On-going
90	2025-2026	Process Optimization for Production of Coconut Sap (Neera) Sugar Crystals and Granules	NIFTEM, Thanjavur, Thanjavur- 613 005, Tamil Nadu.	Tamil Nadu	33.2298	0	On-going
91	2025-2026	Valorisation of food industry waste for production of cellulose derivatives and its application as food additives	NIFTEM, Thanjavur, Thanjavur- 613 005, Tamil Nadu.	Tamil Nadu	38.452	0	On-going
92	2025-2026	Design and development of a high-speed food 3D printer with simultaneous post-processing capability	NIFTEM, Thanjavur, Thanjavur- 613 005, Tamil Nadu.	Tamil Nadu	38.8	0	On-going

93	2025-2026	Enhancing Grape Drying and Raisin quality using Enzymatic (Biological drying improver) Pre-treatment	NIFTEM, Thanjavur, Thanjavur- 613 005, Tamil Nadu.	Tamil Nadu	19.9012	0	On-going
94	2025-2026	Process optimization, scale-up and product standardization of Indian traditional fermented beverages (Kaanji, Ambli, Sol Kadhi) for large scale production	Microbiology and Fermentation Technology Department Cheluvamba Mansion CSIR CFTRI Mysuru	Karnataka	30.552	0	On-going
95	2025-2026	A comparative study on removal of pathogenic and spoilage microorganisms in spices (Chilli, turmeric and Piper nigrum) by using novel thermal and non-thermal techniques as an alternative to Ethylene oxide Fumigation	NIFTEM, Thanjavur, Thanjavur- 613 005, Tamil Nadu.	Tamil Nadu	31.8218	0	On-going
96	2025-2026	Development and Optimization of Texturized Vegetable Protein and Gluten Free Pasta Exploring Zein as a Functional Gluten Alternative in Maize Composite Flour	NIFTEM, Thanjavur, Thanjavur- 613 005, Tamil Nadu.	Tamil Nadu	22.9768	0	On-going
97	2025-2026	A perception of nutrient resource recovery during the morphogenesis of palmyra haustorium: a potential tool against malnutrition	NIFTEM, Thanjavur, Thanjavur- 613 005, Tamil Nadu.	Tamil Nadu	19.8968	0	On-going

98	2025-2026	Use of electrolyzed water as natural antimicrobial in meat processing and its effects on quality and safety of meat and meat products	ICAR Indian Veterinary Research Institute, Izatnagar, Bareilly Uttar Pradesh	Uttar Pradesh	50.98	0	On-going
99	2025-2026	Valorization of buffalo skin by extracting high value collagen hydrolysate and evaluating its anti-osteoarthritic and anti-skin-aging effects	ICAR Indian Veterinary Research Institute Izatnagar Bareilly Uttar Pradesh	Uttar Pradesh	31.48	0	On-going
100	2025-2026	Utilization of selected seaweed for the development of Functional Food Product	NIFTEM, Thanjavur, Thanjavur- 613 005, Tamil Nadu.	Tamil Nadu	34.468	0	On-going
101	2025-2026	AI-Driven Optimization of Millet Incorporation in Bakery Products for Enhanced Quality and Nutritional Value	MPUAT- Maharana Pratap University of Technology Udaipur, Rajasthan	Rajasthan	37.72	0	On-going