

DETAILS OF R&D PROJECTS SUPPORTED BY MoFPI DURING 2013-14

(Rs. In lakh)						
Sr. No.	Topic of Research with Summary	Institution / University	State	Approved grant-in-aid	Instalment released	Amount of grant-in-aid released
1	Validation of Nutracitically important plant resources in India by DNA Barcoding using various Gene Markers of India	Dr. Babasaheb Ambedkar Marathwada University, Aurangabad	M.S	147.240	1 st	131.540
2	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	Punjab	11.69	1 st	7.845
3	Development of enzyme based extraction process for improving quality and recovery of starch from different varieties of Colocasia Esculenta (Arbi) of Assam for food use	Tezpur University, Assam	Assam	27.26425	2 nd	3.31357
4	Processing of Apple for value added product development	IHBT, Palampur	H.P	107.44	3 rd	10.744
5	Red Sorghum flakes based snack bar for health and nutritional security	Department of Horticulture, University of Agricultural Sciences, Dharwad, Karnataka	Karnataka	36.916	1 st	32.208
6	Nutritional approach for designing goat meat based functional products	Central Institute of Research on Goats, Mathura (U.P.)	U.P.	107.29	3 rd	10.729
7	Design of Novel Functional Food Supplements using Supercritical Carbon dioxide Extraction and Encapsulation Technologies	Jadavpur University	W.B.	34.16468	2 nd	2.3144
8	Development of ready to reconstitute Misti Dahi Powder	Tezpur University	Assam	15.97	2 nd	2.442
9	Biotechnology Production of xylitol from zylose rich lignecellulosic materials	IARI	Delhi	23.116	2 nd	5.34996
10	Utilization of deoiled soybean cake for production of enzymes, bioactive components and protein products	Indian Institute of Technology, Delhi	Delhi	-	Part payment	2.40
11	Supercritical Fluid Extraction of Natural Antioxidant for Food Preservation	IIT delhi	Delhi	61.00	2 nd	6.2432
		Total				215.12913

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1	Studies on development of cereal based functional breakfast food from the underutilized crops of North-East	Mr. Amit Baran Das Department of Food Engineering & Technology, Tezpur University, Napaam, Tezpur, Assam	Assam	29.024	1 st	25.262
2	Pilot Scale Process Technology for ' BHIM KOL ' (MUSA BALBISIANA) Slice, Grits and Powder using Hybrid Drying Methods	Dr. Brijesh Srivastava Department of Food Engineering & Technology, Tezpur University, Napaam, Tezpur, Assam	Assam	35.324	1 st	31.912
3	Development of Strip based detection tests for selected adulterants and contaminants in milk	Dr. Rajan Sharma Division of Dairy Chemistry, National Dairy Research Institute, Karnal, Haryana	Haryana	49.848	1 st	35.174
4	Healthy Foods: Production of Stable and Active Probiotics	Dr. Surajit Mandal Dairy Microbiology Division, National Dairy Research Institute, Karnal	Haryana	35.824	1 st	29.912
5	Production of buffalo casein hydrolysates enriched with antioxidative and immunomodulatory peptides and their application for the development of functional beverage	Dr. Rajesh Kumar Division of Dairy Chemistry, National Dairy Research Institute, Karnal, Haryana	Haryana	50.00	1 st	38.648
6	Phosphine and Carbon dioxide (CO ₂) Combinations as Alternative to Methyl Bromide to Manage Stored Pests of rice Under Bulk Storage	Dr. R. Meenatchi Department of Storage Entomology, Indian Institute of Crop Processing Technology, Pudukottai Road, Thanjavur, Tamilnadu	Tamil Nadu	39.804	1 st	33.292
7	Package of Technologies for On-farm Processing, Value Addition and Safe Storage of Onions	Dr. V.R. Sinija Indian Institute of Crop Processing Technology, Thanjavur, Tamilnadu	Tamil Nadu	49.97	1 st	42.91
8	Chemical, rheological and processing quality of fractions produced by successive size reduction milling of different wheat varieties	Prof. Narpinder Singh Department of Food Science and Technology, Guru Nanak Dev University, Amritsar, Punjab	Punjab	69.208	1 st	62.104
9	In vitro assessment of the effects of commercially available nutraceuticals and oligosaccharides as probiotics on the human gut microflora	Dr. Shilpi Sharma Department of Biochemical Engineering & Biotechnology, Indian Institute of Technology Delhi, Hauz Khas, New Delhi	Delhi	23.232	1 st	15.936
10	Development of Phenolic Enriched Multigrain Bread with Improved Functional Quality	Prof. Charanjit Kaur Division of Post Harvest Technology, Indian Agriculture Research Institute, 3rd floor, NRL Building, New Delhi, Delhi	Delhi	49.816	1 st	39.868
11	Biotechnological approaches for utilisation of deoiled seed cakes in producing food enzymes and chemicals	Dr. Sunil K. Khare, Professor, Department of Chemistry, Indian Institute of Technology Delhi, Hauz Khas New Delhi 110016	Delhi	22.91	1 st	16.19
		Total (1-11)		425.936		371.208

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12	Synthesis and Characterization of Nano-Cellulose and its Application in Biodegradable Polymer Composite Films for Food Packaging	Dr.Shashank T. Mhaske, Assistant Professor, Department of Polymer and Surface Engineering, Institute of Chemical Technology,University of Mumbai,Matunga Mumbai 400019	Maharashtra	32.73	1 st	23.91
13	Biotechnological Production of Bioactive Metabolites from Therapeutic Fungal Biofactory Ganoderma sp. for Pharmaceutical Applications	Dr.H.K. Manonmani, Principal Scientist, Fermentation Technology and Bioengineering, Central Food Technological Research Institute Mysore 570020	Karnataka	26.76	1 st	18.38
14	Development and Quality Evaluation of Gluten free Products for Celiac Disease Patients	Dr.Amritpal Kaur, Assistant Professor, Department of Food Science & Technology, Guru Nanak Dev University Amritsar 143005	Punjab	45.42	1 st	35.14
15	Microencapsulation of anthocyanin pigment extracted from kokam (Garcinia indica) processing industry waste	Mr.Rahul C. Ranveer, Assistant Professor, Department of Food Science and Technology, Shivaji University Kolhapur 416004	Maharashtra	33.479	1 st	29.739
16	Extraction and Concentration of Bioactive Compounds and Sugars from Horticultural Processing Waste using Microwave-Membrane Technology	Dr.Amit Arora, Assistant Professor, Centre for Technology Alternatives for Rural Areas (CTARA), Indian Institute of Technology Bombay Powai Mumbai 400076	Maharashtra	27.636	1 st	14.408
17	Mineral bound milk based ingredients: Preparation, characterization and application	Dr.Sumit Arora, Principal Scientist, Division of Dairy Chemistry, National Dairy Research Institute Karnal 132001	Haryana	46.852	1 st	35.176
18	Studies on Post Harvest Application of 1-MCP on Shelf Life and Quality of Mango and Tomato Fruits	Dr.B.K. Sakhale, Assistant Professor, Department of Chemical Technology, Dr. Babasaheb Ambedkar Marathwada University Aurangabad 431004	Maharashtra	36.94	1 st	30.98
19	Use of Natural Resins and Gums for Preservation and Value Addition of Fishery Products	Dr.P.K. Binsi, Scientist, Mumbai Research Centre of Central Institute of Fisheries Technology CIDCO Admn. Building, Vashi Mumbai 400703	Maharashtra (joint project)	18.40	1 st	14.295
		& Dr.P.C. Sarkar, Scientist, Indian Institute of Natural Resins & Gums Namkum, Ranchi 834010		6.752		3.376

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20	Reverse Micellar Extraction of Lacto ferrin from whey: Continuous Process	Dr. I. Regupathi Assistant Professor D/o Chemical Engg. NIT, Karnataka, Surathkal, Shrivivanagar, Mangalore-575025	Karnataka	46.862	1 st	35.176
21	Development of Process of Technology for functional snack food using flaxseed	Mr Pravin M Ganokar Assistant Professor, D/o Food Processing Technology, A.D. Patel Institute of Technology, P.O.Box No 52, behind GIDC New Vallabh Vidya Nagar, Karamsad, Anand-388121	Gujarat	4.0465	1 st	2.02325
22	Development of a three dimensional culture system to produce meat from chicken satellite cells	Dr. Satyanarayana Rentala Assistant Professor D/o Biotechnology, GITAM, GITAM University, Visakhapatnam- 530045	Andhra Pradesh	15.00	1 st	7.50
		Total				621.31125