

Centre of Advanced Faculty Training

Progress and Impact during three year action plan 2017-20

1. Name of the CAFT/Department/Division: CAFT in Food Processing at
Agro Produce Processing Division
ICAR-Central Institute of Agricultural Engineering,
Bhopal

2. Brief introduction about the Institute:

The ICAR-Central Institute of Agricultural Engineering (CIAE) is a premier Institute in the country to conduct basic, applied and adaptive research in agricultural engineering. Human resource development by organizing specialized training courses is a major commitment of the Institute to upgrade the skills of faculties, scientists, subject matter specialists, farmers, manufacturers and planners engaged in the promotion of farm mechanization and agro-processing in the country. The Institute has the facilities to undertake R&D activities in the areas of agro-processing & food technology, soybean processing and utilization, farm mechanization, conservation agriculture, irrigation and drainage engineering, energy production & management. The farm land of 93 ha, workshop facilities and library supports the research and development activities of the institute.

3. Objective of CAFT:

Centre for Advanced Faculty Training in the area of Food Processing has been sanctioned to ICAR-CIAE for capacity building of faculty and scientists of NARES in the cutting edge area of agricultural processing. The centre started functioning w.e.f. 2017-18. The Centre has played important role in human resource development by conducting 21 days and 10 days training courses under the auspices of Centre of Advanced Faculty in which 83 scientists/faculty from various Institutes and Universities under NARES have been trained in various aspects of Agro Processing, Food Processing, Nutrition etc.

4. Faculty: Name & Designation (as on 20.1.2020):

- i. Dr. Nachiket Kotwaliwale, PS & Head
- ii. Dr. Karan Singh, PS
- iii. Dr. Dipika A Murugkar, National Fellow
- iv. Dr. L.K Sinha, PS
- v. Dr. Punit Chandra, PS
- vi. Dr. S.S. Deshpande, PS
- vii. Dr. S.D. Deshpande, Scientist Emeritus
- viii. Dr. S.K. Giri, PS
- ix. Dr. S. Mangraj, PS
- x. Dr. M.K. Tripathi, PS
- xi. Dr. S. K. Chakraborty, SS
- xii. Dr. D. Mohapatra, SS
- xiii. Dr. Adinath Kate, Scientist
- xiv. Dr. DA Pawar, Scientist
- xv. Er. Ajesh Kumar, Scientist
- xvi. Mr. Muzaffar Hasan, Scientist
- xvii. Mr. Chirag Maheshwari, Scientist

5. Human Resource Development :

(particulars of short courses/training program for HRD conducted during 2017-20)

S. No.	Title of training	Duration	No. of participants
1.	Design and manufacturing of agro processing machines	August 01-21, 2017	13
2.	Advanced storage and packaging technologies for durable and perishable foods	January 4-24, 2018	10
3.	Improved nutritional outcomes through integrated approaches of processing	February 20-March 12, 2018	10
4.	Soft computing tools for applications in food and agricultural processing	August 01-21, 2018	12
5.	Synergistic approaches for bio-processing of foods and by-products for nutritional and industrial use	August 31-September 20, 2018	15
6.	Prospects of emerging agro-based processing techniques and business opportunities.	November 14 to December 04, 2019	15
7.	Rapid detection techniques for quality evaluation and safety of foods	January 13-22, 2020	8

6. Infrastructure development (equipment etc.):

No fund was received under capital heads, small hand tools and instruments have been procured from the fund available for contingencies.

7. Publication :

- Manuals:
 - Seven compendiums of lecture notes for each of the training listed above. Soft copies of the same have also been prepared and submitted to ICAR.

8. Financial statement:

(Expenditure under CAFT during 2017-19)

Head	2017-2018	2018-2019
Operating cost of training	8,23,774	5,95,391
Recurring Contingency	3,03,488	3,16,745
Non-Recurring Contingency and TA	---	47,116
Library	---	----