

Food Packaging and Transportation (FP&T) Laboratory

Food packaging plays a pivotal role in maintaining food quality and safety, and reducing post-harvest losses caused by physical, mechanical, chemical and biological factors during storage, transportation and distribution of both fresh and processed food products. Any successful food processing and preservation method depends much on proper food packaging.



The Central Institute of Post-Harvest Engineering and Technology, soon after its inception, realized the relevance of Food Packaging Research and Development in the field of Post-harvest Engineering and Technology and established a well equipped Food Packaging and Transportation Laboratory in the Division of Agricultural Structure and Environmental Control (ASEC) to carryout research and conduct trainings programs related to food packaging and transportation. The laboratory is equipped with latest technology and instruments. The laboratory supports scientists to develop packaging technologies to enhance shelf life and maintain quality of food grains, horticultural, aquaculture and livestock produce for human consumption and feed for livestock and aquaculture. The various packaging technologies including MAP, Shrink wrap packaging etc. for food commodities have been developed in the FP&T laboratory. Now the scientists have contemplated to take up cutting-edge research on Smart Packaging and Nano- Packaging in this laboratory to meet contemporary needs and future challenges of the food packaging field.