

Invited Talk for Short Course on "Flexible Electronics",
Org. by National Centre for Flexible Electronics (NCFlexE) at IIT Kanpur (July 6th, 2019)

"Smart Packaging –Its Opportunities in Flexible Electronics"

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Abstract

The Concept of 'Packing' and " Packaging", its functions will be discussed. The packaging Innovations for different applications like enhancement of Shelf-life of food products, value addition of package through innovative design, temper evident packages, Convenient features of packaging and Anti-counterfeiting technologies will also be discussed. However, more emphasis will be given to two types of Smart packaging i.e. Active packaging and Intelligent Packaging with examples. In addition, the opportunities for the application of Flexible electronics either for food or Pharmaceutical products, detection in terms of degree of spoilage of foods, degree of ripening of fresh fruits and development of innovative package with flexible electronics for serving of ready to eat foods in customised packages in warm condition to improve upon the Convenient features will also be highlighted.