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Virtual Presentation

ON

SPACE FOOD TECHNOLOGY

~ABSTRACT~

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Many people may wonder what and how the Astronauts eat aboard in the Space Shuttle missions. Food systems evolved tremendously along the Era of Space food evolution ! And thanks to ; Food technology as it spins off tremendous benefits in the Food Systems throughout the Globe.

On this auspicious day , I would like to speak about the nutritional arena of Space Explorers.

Space food technology is a branch of Food Science aimed in producing food products, especially created and processed for utilization of Space travellers. The food must necessarily provide balanced nutrition for astronauts working in space, but at the same time it is important that it must be very convenient to store and prepare in the zero gravity environment.

I would like to throw light on some integral aspects of Space food technology . Beginning with the historical evolution of Space Foods , Types of space foods, along the journey we will also cover the Processing and Packaging aspects. New types of space food processing technologies is also reviewed, including Freeze-drying, Irradiation Sterilization, High Pressure Processing, and then the packaging side of space food products.

Finally, I would also highlight the prospects of future space food systems, including the development of In-orbit food preparation technology , Functional foods , 3D Printing , and other Novel attributes of Processing and Packaging.