

Green Technology: An Inevitable Trend in Food Technology

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Abstract—*The trend toward moving to a greener and a more eco-friendly atmosphere in the food processing industry is very much a global pattern. Today the environment is racing to the tipping point where the solution for the permanent irreversible damage to the planet earth is obtained environmental safety is making its sign on the population of the world, especially cause of industrialization. Green technology is define as the “application of one or more of environmental science, green chemistry, environmental monitoring and electronic devices and model to conserve the natural environment and resources, and to curb the negative impacts of humans involvement”. Food processing is a diversified sector ranging from minimally processed food to very complex processing technique. In the present review green technology in food production and processing is summarized. The current and novel practices that are more environment friendly, technologies for food processing that reduce chemical and energy use and emission as well as novel analytical techniques for R&D and QA which reduce solvent, chemical and energy consumption. Packaging, recycling, disposing and waste treatment method and processing lines needs to be standardized to a certain a stronger commitment to the environment. The major spheres identified are bio-plastic packaging, organic cultivation, bio plastic, power saving technology, solar processing, green chemistry, bio-fuels, reduce water consumption in food processing etc. These techniques and measure are making this paradigm shift easier.*

Keyword: *Green technology, Analytical techniques, Food processing, Environment friendly, Packaging.*