

Fourier transform infrared spectroscopy in food microbiology

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Abstrak

The book will discuss the published experimental techniques, data-processing algorithms, and approaches used in FT-IR spectroscopy to assist in the characterization and identification of microorganisms, to assess the mechanisms of bacterial inactivation by food processing technologies and antimicrobial compounds, to monitor the spore and membrane properties of foodborne pathogens in changing environments, to detect stress-injured microorganisms in food-related environments, to assess dynamic changes in bacterial populations, and to study bacterial tolerance responses.