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NIR SPECTROSCOPY: TECHNOLOGY READY FOR FOOD

INDUSTRIES APPLICATIONS

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ABSTRACT

Recently, NIR spectroscopy has gained wide acceptance in different fields like drug and pharmaceutics, petroleums and food industries. NIR technology is going to bethe substitute technology over conventional chemical test methods due to advancements in instrumentation technology, availability of open source tools, and developments in photonics components. The ability of the spectrophotometers to record spectra in almost no time makes this technology most suitable for online analysis. Genetically Modified Organism (GMO) being the most serious concern these days can be addressed and dealt with using NIR spectroscopy. This article focuses on the potential capabilities of this technology in food industries

KEYWORDS: NIR Spectroscopy, Food Analysis