

A CASE STUDY

Electronic tongue and their applications in food industry

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ABSTRACT

Technology's impact on food safety and quality is reflected in higher throughputs, increased efficiencies and superior outcomes. Electronic tongue (e-tongue) instrumental systems were designed to minimize human olfactory and taste sensory organs and are consisted of an array of sensors. Various efforts have been made by scientists to predict the sensory profile of food articles with instrumental measurement. The aim of the review here is to determine the applicability of e-tongue in food industry to replace traditional methods of sensory analysis. Involvement of electronics methods for the improvement of sensory methods is due to increased attention of all world towards food safety.

KEY WORDS : E-tounge, Coffee, Beer, Fruit juice, Sensors

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