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Research Paper :

Application of electronic nose in food analysis

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ABSTRACT

Electronic nose is mostly used for different applications in food and beverage industries: identification, quantification, quality control. In each application, the principal goal is that this instrument could discriminate different organoleptic properties of different samples. Those properties could be qualities, origins, defects, and concentration of pollutants. As pattern recognition techniques are widely used to analyse the data obtained from these multisensor arrays, Applications described include identification and classification of flavour and aroma and other measurements of quality using the electronic nose.

Key words : Electronic noses, Biosensor, Food analysis, Pattern recognition, Sensor arrays.