

CALL FOR PAPERS

Flavour is recognised to be one of the most important attributes of food and beverages. It is defined as the ensemble of aroma, taste, and tactile sensations (e.g., trigeminal nerve stimuli). When evaluating the flavour profile of a product, the chemical composition of the volatile fraction, the release of aroma compounds in the headspace, and their changes during consumption have to be taken into consideration. Together with the volatile attributes, taste, in terms of both the five basic tastes and further taste sensations, for example, fattiness, has a fundamental role in defining the quality of foods.

The food industry requires consistent and rapid methods for quality control, preferably online and inline, which are easy to operate and do not require specialised operators. To establish an ideal plant where food flavour can be measured in such a way, several technical challenges have to be faced as well as challenges arising from the natural variability of food product composition and quality and the presence of typical products with peculiar characteristics.

The present special issue aims to provide an opportunity to researchers to report on the latest scientific works with original research articles or reviews.

Potential topics include but are not limited to the following:

- ▶ Instrumental techniques for the characterisation of food flavour in food and beverages
- ▶ Flavour release behaviour in model systems or real products
- ▶ Effect of fat on the flavour release in relation to the texture
- ▶ Innovation in the food industry for flavour quality control
- ▶ Rapid analytical methods to explore food flavour
- ▶ Sensory methods for flavour analysis of food and beverages
- ▶ In- and online nondestructive methods for flavour quality control, for example, e-tongues and e-noses

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First Round of Reviews

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