DESCRIPTION

The *Food Chemistry* has an open access mirror *Food Chemistry: X*, sharing the same aims and scope, editorial team, submission system and rigorous peer review.

The Aims and Scope of *Food Chemistry* are assessed and modified on an annual basis to reflect developments in the field. This means that research topics that have been deemed in scope previously may now fall outside of the scope of the journal as our scientific and technical understanding of the fields evolve and topics become less novel, original or relevant to *Food Chemistry*.

*Food Chemistry* publishes original research papers dealing with the advancement of the **chemistry** and **biochemistry** of **foods** or the analytical methods/approach used. All papers should focus on the novelty of the research carried out.

Topics include:

– Chemistry relating to major and minor **components of food**, their nutritional, physiological, sensory, flavour and microbiological aspects;

– **Bioactive constituents** of foods, including antioxidants, phytochemicals, and botanicals. Data must accompany sufficient discussion to demonstrate their relevance to food and/or food chemistry;

– Chemical and biochemical composition and structure changes in molecules induced by processing, distribution and domestic conditions;

– **Effects of processing** on the composition, quality and safety of foods, other bio-based materials, by-products, and processing wastes;

– Chemistry of **food additives**, **contaminants**, and other agro-chemicals, together with their metabolism, toxicology and food fate.

Analytical papers related to the microbiological, sensory, nutritional, physiological, authenticity and origin aspects of food. Papers should be primarily concerned with new or novel methods (especially instrumental or rapid) provided adequate validation is described including sufficient data from real samples to demonstrate robustness. Papers dealing with significant improvements to existing...
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- Methods for the determination of both major and minor components of food especially nutrients and non-nutrient bioactive compounds (with putative health benefits) will be considered.

- Results of method inter-comparison studies and development of food reference materials for use in the assay of food components;

- Methods concerned with the chemical forms in food, nutrient bioavailability and nutritional status;

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Food technologists, scientists and chemists

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