FOOD CHEMISTRY: X

DESCRIPTION

Food Chemistry: X is one of two companion journals to the highly respected Food Chemistry and has the same aims and scope and peer-review process.

Food Chemistry: X is an open access journal publishing 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. Research advancing the theory and practice of molecular sciences of foods can be cure or prevention of human diseases will not be considered for inclusion in Food Chemistry.

Topics featured in Food Chemistry: X 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 methods, or data from application of existing methods to new foods, or commodities produced in unreported geographical areas, will also be considered.

- 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;

– General authentication and origin [e.g. Country of Origin Labelling (COOL), Protected Designation of Origin (PDO), Protected Geographical Indication (PGI), Certificate of Specific Character (CSC)] determination of foods (both geographical and production including commodity substitution, and verification of organic, biological and ecological labelling) USING CHEMICAL MARKERS, providing sufficient data from authentic samples should be included to ensure that interpretations are meaningful.

Food Chemistry: X will not consider papers that focus on purely clinical or engineering aspects without any contribution to chemistry; pharmaceutical or non-food herbal remedies; traditional or folk medicines; or survey/surveillance data.

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GUIDE FOR AUTHORS

Guide for Authors updated September 2017

INTRODUCTION

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