DESCRIPTION

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. Research advancing the theory and practice of molecular sciences of foods can be submitted to the journal’s companion title, Food Chemistry: Molecular Sciences.

Topics featured in Food Chemistry 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.

For Analytical Papers, especially those dedicated to the development and validation of methods, authors are encouraged to follow internationally recognized guidelines, such as EURACHEM - for chemical compounds (https://www.eurachem.org/index.php/publications/guides/mv) or FDA - for microbiological data (https://www.fda.gov/downloads/ScienceResearch/FieldScience/UCM298730.pdf) and proper statistical methods should be applied. Special attention should be given to linearity, selectivity, determination of LOD/LOQ, repeatability and reproducibility of the analysis. Authors should also pay attention to trueness and, when possible (quantitative methods), determine the uncertainty of measurement. Overall, real samples should be analyzed by the state-of-the-art and the newly developed method for validation purposes.

- 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* 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.

Papers on therapeutic application of food compounds/isolates for treatment, cure or prevention of human diseases will not be considered for inclusion in Food Chemistry.

Food Chemistry has an open access companion journal, *Food Chemistry: Molecular Sciences*, publishing research advancing the theory and practice of molecular sciences of foods.

**AUDIENCE**

Food technologists, scientists and chemists

**IMPACT FACTOR**

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Introduction

FOCH has an open access mirror journal, FOCH: X. 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 which may have been deemed in scope in previous years may now fall outside of the scope of the journal as our scientific and technical understanding of the field evolves and topics become less novel, original or relevant to Food Chemistry.

Ten essential rules to ensure your manuscript is handled promptly

1. The manuscript fits the Aims and Scope of the journal (http://www.journals.elsevier.com/food-chemistry ) Manuscript is in accordance with ARTICLE TYPE - GUIDELINES and includes a hypothesis statement(https://www.elsevier.com/journals/food-chemistry/0308-8146/guide-for-authors#14000)
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Submission checklist

This checklist allows authors to ensure that the manuscript meets the Food Chemistry requirements before submission. Checklist can also be downloaded here here

1) Study contents:

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Ethical consent has been obtained in case of work on animals and/or humans.

2) Manuscript preparation:

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• Review article: 10 000 words, 6 tables and figures combined
• Short communication: 3000 words, 6 tables and figures combined. More tables and figures? Submit as supplementary material. The title page contains title, author names, affiliations and corresponding author telephone. Email addresses are required for ALL authors. Authors must provide and use a unique, individual e-mail address and not one that is shared with another author registered in the submission system, or a department. Author names - please ensure that names are listed in the order first name/FAMILY NAME (e.g. Marie CURIE) - this will ensure they are listed correctly in indexing services. The highlights are provided (3-5 bullet points, max 85 characters each including spaces). The manuscript contains a conflict of interest statement (before references) Continuous line numbering is provided throughout the manuscript (including captions and references); page numbering is provided. All sources (references) are provided in alphabetical order. Figures and tables (6 combined) include clear legends. The manuscript contains appropriate ethical approval and informed consent (if applicable, include statement). Food Chemistry now requires the inclusion of a hypothesis statement in the Introduction, and response
in the Discussion. Please ensure this is included.

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1. Research papers - original full-length research papers that have not been published previously, except in a preliminary form, and should not exceed 7,500 words from introduction to conclusion (not including references) (including no more than six tables and figures combined - additional tables and figures can be submitted as supplementary material). Research papers should not contain more than 40 references.

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4. Viewpoints - Authors may submit viewpoints of no more than 1200 words on any subject covered by the Aims and Scope.

5. Letters to the Editor - Letters are published from time to time on matters of topical interest.

**BEFORE YOU BEGIN**

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Lorenzo Romano Amedeo Carlo Avogadro di Quareqa e di Carreto (Avogadro), 1811

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More information.

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