**DESCRIPTION**

*Food Chemistry: Molecular Sciences* is one of two companion journals to the highly respected *Food Chemistry*.

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

The types of articles considered are original research articles, analytical methods, comprehensive reviews and commentaries.

*Food Chemistry: Molecular Sciences* considers articles about:
Problems of broad interest in food or interactions between food and humans; this does NOT include food isolates or folk and traditional medicines to treat disease. Experimental techniques and technical progress using omic methods (genomics, proteomics or metabolomics) to characterise and quantify molecules that impact the structure, function, and dynamics of foods or the interactions between foods as consumed and humans; this does NOT include single compounds or isolates at concentrations above dietary intakes. Application of molecular theories and novel technologies to specific experimental studies including computational methods and models; this does NOT include treatment of disease in plants or humans.

**Topics include:**
- Molecular sciences relating to major and minor components of food (nutrients and bioactives) and their physiological, sensory, flavour, and microbiological aspects; data must be sufficient to demonstrate relevance to foods and as consumed by humans
- Changes in molecular composition or structure in foods occurring or induced during growth, distribution and processing (industrial or domestic) or as a result of human metabolism
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- Valorisation of food waste arising from processing and exploitation of by-products
- Molecular sciences of additives, contaminants including agro-chemicals, together with their metabolism, food fate and benefit: risk to human health
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