



### TABLE OF CONTENTS

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●	<b>Description</b>	<b>p.1</b>
●	<b>Audience</b>	<b>p.1</b>
●	<b>Impact Factor</b>	<b>p.1</b>
●	<b>Abstracting and Indexing</b>	<b>p.2</b>
●	<b>Editorial Board</b>	<b>p.2</b>
●	<b>Guide for Authors</b>	<b>p.4</b>



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### DESCRIPTION

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**Food Hydrocolloids** publishes original and innovative research concerned with the characterisation, properties, functionality and application of hydrocolloids in food products. Hydrocolloids are defined as polysaccharides and proteins of commercial importance. The key focus of the research should be on the hydrocolloid material itself and the manuscript should include a fundamental discussion of the research findings and their significance. Manuscripts that simply report data without providing a detailed interpretation of the results are unlikely to be accepted for publication in the journal.

The main areas of interest are:

Chemical and physicochemical characterisation Thermal properties including glass transitions and conformational changes Rheological properties including viscosity, viscoelastic properties and gelation behaviour The influence on organoleptic properties Interfacial properties including stabilisation of dispersions, emulsions and foams Film forming properties with application to edible films and active packaging Encapsulation and controlled release of active compounds The influence on health including their role as dietary fibre Manipulation of hydrocolloid structure and functionality through chemical, biochemical and physical processes New hydrocolloids and hydrocolloid sources of commercial potential

The Journal also publishes **Review articles** that provide an overview of the latest developments in topics of specific interest to researchers in this field of activity.

### AUDIENCE

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Food scientists and technologists, R&D managers, concerned with the application of science in the use, development and manufacture of food hydrocolloids.

### IMPACT FACTOR

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## ABSTRACTING AND INDEXING

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## GUIDE FOR AUTHORS

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### INTRODUCTION

*Food Hydrocolloids* only publishes original and novel research that is of high scientific quality. Research areas include basic and applied aspects of the characteristics, properties, functionality and use of macromolecules in food systems. Hydrocolloids in this context include polysaccharides, modified polysaccharides and proteins acting alone, or in mixture with other food components, as thickening agents, gelling agents, film formers or surface-active agents. Included within the scope of the journal are studies of real and model food colloids - dispersions, emulsions and foams - and the associated physicochemical stability phenomena - creaming, sedimentation, flocculation and coalescence.

In particular, *Food Hydrocolloids* covers: the full scope of hydrocolloid behaviour, including isolation procedures, chemical and physicochemical characterization, through to end use and analysis in finished food products; structural characterization of established food hydrocolloids and new ones ultimately seeking food approval; gelling mechanisms, syneresis and polymer synergism in the gelation process; rheological investigations where these can be correlated with hydrocolloids functionality, colloid stability or organoleptic properties; theoretical, computational or simulation approaches to the study of colloidal stability, provided that they have a clear relationship to food systems; surface properties of absorbed films, and their relationship to foaming and emulsifying behaviour; phase behaviour of low-molecular-weight surfactants or soluble polymers, and their relationship to food colloid stability; droplet and bubble growth, bubble nucleation, thin-film drainage and rupture processes; fat and water crystallization and the influence of hydrocolloids on these phenomena, with respect to stability and texture; direct applications of hydrocolloids in finished food products in all branches of the food industry, including their interactions with other food components; and toxicological, physiological and metabolic studies of hydrocolloids.

#### Types of paper

Research papers (Regular papers) Review papers Short communications Book reviews

**Research papers** should report the results of original research. The material should not have been previously published elsewhere, except in a preliminary form.

**Review papers** will be accepted in areas of topical interest and will normally focus on literature published over the previous five years.

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#### *Introduction*

State the objectives of the work and provide an adequate background, avoiding a detailed literature survey or a summary of the results.

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#### *Results*

Results should be clear and concise.

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This should explore the significance of the results of the work, not repeat them. A combined Results and Discussion section is often appropriate. Avoid extensive citations and discussion of published literature.

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The main conclusions of the study may be presented in a short Conclusions section, which may stand alone or form a subsection of a Discussion or Results and Discussion section.

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5. For simple fractions use the solidus (/) instead of a horizontal line.
6. Equations should be numbered serially at the right-hand side in parentheses. In general only equations explicitly referred to in the text need be numbered.
7. The use of fractional powers instead of root signs is recommended. Also powers of *e* are often more conveniently denoted by *exp*.
8. Levels of statistical significance which can be mentioned without further explanation are \**p*<0.05, \*\**p*<0.01 and \*\*\**p*<0.001.
9. In chemical formulae, valence of ions should be given as, e.g. Ca<sup>2+</sup> and CO<sup>2-</sup><sub>3</sub>, not as Ca<sup>++</sup> or CO<sup>--</sup><sub>3</sub>.
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In general, the journal follows the conventions of the *CBE Style Manual* (Council of Biology Editors, Bethesda, MD, 1983, 5th edn). Follow *Chemical Abstracts* and its indexes for chemical names. For guidance in the use of biochemical terminology follow the recommendations issued by the IUPAC-IUB Commission on Biochemical Nomenclature, as given in *Biochemical Nomenclature and Related Documents*, published by the Biochemical Society, UK. (see the website <http://www.iupac.org/publications/compendium/index/html>) .For enzymes use the recommended name assigned by the IUPAC-IUB Commission on Biochemical Nomenclature, 1978, as given in *Enzyme Nomenclature*, published by Academic Press, New York, 1980. Where possible, use the recommended SI (Système International) units.

### Artwork

#### General points

- Make sure you use uniform lettering and sizing of your original artwork.
- Embed the used fonts if the application provides that option.
- Aim to use the following fonts in your illustrations: Arial, Courier, Times New Roman, Symbol, or use fonts that look similar.
- Number the illustrations according to their sequence in the text.
- Use a logical naming convention for your artwork files.
- Provide captions to illustrations separately.
- Size the illustrations close to the desired dimensions of the published version.

- Submit each illustration as a separate file.

A detailed [guide on electronic artwork](#) is available.

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#### *Formats*

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Regardless of the application used other than Microsoft Office, when your electronic artwork is finalized, please 'Save as' or convert the images to one of the following formats (note the resolution requirements for line drawings, halftones, and line/halftone combinations given below):

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TIFF (or JPEG): Color or grayscale photographs (halftones), keep to a minimum of 300 dpi.

TIFF (or JPEG): Bitmapped (pure black & white pixels) line drawings, keep to a minimum of 1000 dpi.

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- Supply files that are too low in resolution;
- Submit graphics that are disproportionately large for the content;
- Supply raw outputs from instruments even at the review stage. Plots must be redrawn following the format guidelines outlined above. Submissions with raw data will be returned to authors to bring them up to publication quality.

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Please submit tables as editable text and not as images. Tables can be placed either next to the relevant text in the article, or on separate page(s) at the end. Number tables consecutively in accordance with their appearance in the text and place any table notes below the table body. Be sparing in the use of tables and ensure that the data presented in them do not duplicate results described elsewhere in the article. Please avoid using vertical rules and shading in table cells.

#### **References**

##### *Citation in Text; Proof of 'in press' required*

Please ensure that every reference cited in the text is also present in the reference list (and vice versa). Any references cited in the abstract must be given in full. Unpublished results and personal communications are not recommended in the reference list, but may be mentioned in the text. If these references are included in the reference list they should follow the standard reference style of the journal and should include a substitution of the publication date with either 'Unpublished results' or 'Personal communication'. Citation of a reference as 'in press' implies that the item has been accepted for publication and a copy of the title page of the relevant article must be submitted.

All citations in the text should refer to:

1. **Single author:** the author's name (without initials, unless there is ambiguity) and the year of publication (Smith, 2003).
2. **Two authors:** both authors' names and the year of publication (Smith & Jones, 2004).

3. **Three, four or five authors:** all authors names and year of publication (Smith, Jones, & Brown, 2005). For all subsequent citations of this work use et al. (Smith et al., 2005).

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Citations may be made directly or parenthetically. Groups of references should be listed first alphabetically, then chronologically. Examples: "as demonstrated (Allan, 1996a, b, 1999; Allan & Jones, 1995; Allen et al., 1994). Kramer et al. (2000) have recently shown..."

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#### *Examples:*

Reference to a journal publication:

Van der Geer, J., Hanraads, J. A. J., & Lupton, R. A. (2010). The art of writing a scientific article. *Journal of Scientific Communications*, 163, 51–59. <https://doi.org/10.1016/j.Sc.2010.00372>.

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Van der Geer, J., Hanraads, J. A. J., & Lupton, R. A. (2018). The art of writing a scientific article. *Heliyon*, 19, e00205. <https://doi.org/10.1016/j.heliyon.2018.e00205>.

Reference to a book:

Strunk, W., Jr., & White, E. B. (2000). *The elements of style*. (4th ed.). New York: Longman, (Chapter 4).

Reference to a chapter in an edited book:

Mettam, G. R., & Adams, L. B. (2009). How to prepare an electronic version of your article. In B. S. Jones, & R. Z. Smith (Eds.), *Introduction to the electronic age* (pp. 281–304). New York: E-Publishing Inc.

Reference to a website:

Cancer Research UK. Cancer statistics reports for the UK. (2003). <http://www.cancerresearchuk.org/aboutcancer/statistics/cancerstatsreport/> Accessed 13 March 2003.

Reference to a dataset:

[dataset] Oguro, M., Imahiro, S., Saito, S., Nakashizuka, T. (2015). *Mortality data for Japanese oak wilt disease and surrounding forest compositions*. Mendeley Data, v1. <https://doi.org/10.17632/xwj98nb39r.1>.

Reference to a conference paper or poster presentation:

Engle, E.K., Cash, T.F., & Jarry, J.L. (2009, November). The Body Image Behaviours Inventory-3: Development and validation of the Body Image Compulsive Actions and Body Image Avoidance Scales. Poster session presentation at the meeting of the Association for Behavioural and Cognitive Therapies, New York, NY.

*Journal abbreviations source*

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