DESCRIPTION

The *International Journal of Food Microbiology* publishes papers dealing with all aspects of food microbiology. Articles must present information that is novel, has high impact and interest, and is of high scientific quality. They should provide scientific or technological advancement in the specific field of interest of the journal and enhance its strong international reputation. Preliminary or confirmatory results as well as contributions not strictly related to *food microbiology* will not be considered for publication.

Full-length original research papers, review articles and book reviews in the fields of *bacteriology*, *mycology*, *virology*, *parasitology*, and *immunology* as they relate to the production, processing, service and consumption of foods and beverages are welcomed. Within this scope, topics of specific interest include: (1) incidence and types of food and beverage *microorganisms*, microbial interactions, *microbial ecology* of foods, intrinsic and extrinsic factors affecting microbial survival and growth in foods, and *food spoilage*; (2) microorganisms involved in food and beverage fermentations (including probiotics and starter cultures); (3) *food safety*, indices of the sanitary quality of foods, microbiological *quality assurance*, biocontrol, microbiological aspects of *food preservation* and novel preservation techniques, predictive microbiology and *microbial risk assessment*; (4) foodborne microorganisms of *public health* significance, and microbiological aspects of foodborne diseases of microbial origin; (5) methods for microbiological and immunological examinations of foods, as well as rapid, automated and molecular methods when validated in food systems; and (6) the biochemistry, physiology and molecular biology of microorganisms as they directly relate to *food spoilage*, *foodborne disease* and *food fermentations*.

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This journal also publishes special issues of selected, peer-reviewed papers from suitable meetings, workshops, conferences, etc, related to the field of food microbiology.
AUDIENCE

Industrial and food Microbiologists, Bacteriologists, Immunologists, Mycologists, Parasitologists, Virologists, Food Hygienists.

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INTRODUCTION

Types of paper

• Full-length Research Articles are complete reports of original, scientifically sound research. They must contribute new knowledge and be organized as described in this Guide. Manuscripts should not exceed 8000 words. Please follow carefully the organization of the sections described in "Preparation of text files" (see below).

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  - in the case of essential oils, spices and chemical compounds: the antimicrobial activity should be tested in real food systems to validate their efficacy, testing in vitro only would not be sufficient for publication in IJFM. Moreover a detailed chemical analysis of the natural extract should be presented with indication of which compounds are exerting the antimicrobial activity;
  - for bacteriocins, surveys of bacteriocin-producing strains in food products would not be considered unless the genes responsible for production were genetically characterized to show originality of such genes. IJFM gives priority to papers describing new bacteriocins (as determined by genetic approaches, N-terminal sequencing or results on antimicrobial spectrum and mechanisms) and application of bacteriocinogenic strains in situ, other than surveys of bacteriocin-producing strains in food products.

• Surveys focusing on the detection and quantification of toxins and microbial metabolites (mycotoxins, bacterial toxins, biogenic amines) and papers presenting new methods for detection and quantification of toxins and microbial metabolites will not be published in IJFM, unless they do contain correlated microbiological data of food safety significance. Papers presenting analytical data only should be sent to toxicology or food control journals.

• Gut microbiology and probiotic-targeted papers will have to present relevant direct links to food microbiology/safety. Animal models or studies in which the host is the main target of investigation should be submitted to appropriate journals and not to IJFM.

• Microbiological aspects of the production of ingredients should be submitted to suitable biotechnology journals. However, papers that consider the use of microorganisms to enhance the level of specific vitamins, amino acids, flavours, colours, polysaccharides etc in foods/beverages will be considered by IJFM.

• Papers where the microbiology is only focused on primary production, without a clear connection to quality and safety of foods, should be sent to journals related to primary production.

• Microbiology specifically related to human health without a clear focus on its relation to foods/beverages should be submitted to medical journals or similar.

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