

INTERNATIONAL JOURNAL OF Food Microbiology

An Official Journal of the International Committee on Food Microbiology and Hygiene (ICFMH) of the IUMS

Editor-in-Chief

Professor Luca Coccolin
DISAFA-University of Turin
Via Leonardo da Vinci 44
10095 Grugliasco
Turin, Italy
E-mail: lcoccolin@gmail.com

Editors

Professor Albert Mas
Bioquímica i Biotecnologia, Universitat Rovira i Virgili, Marcel·lí Domingo s/n, Tarragona, 43007, Spain.
Email: albert.mas@urv.cat

Professor Jinru Chen
Department of Food Science and Technology, The University of Georgia, 1109 Experiment St., Griffin, Georgia 30223-1797, United States
Email: jchen@uga.edu

Professor Marcel H. Zwietering
Wageningen University
Food Microbiology Laboratory
P.O. Box 81 29 6700 EV
Wageningen Netherlands
E-mail: Marcel.Zwietering@wur.nl

Dr. Bon Kimura
Laboratory of Food Microbiology
Department of Food Science and Technology
Faculty of Marine Science Tokyo
University of Marine Science and Technology
4-5-7 Konan, Minato-ku, Tokyo 108-8477 Japan
E-mail: kimubo@kaiyodai.ac.jp

Professor Gisèle LaPointe
Food Science and Nutrition Department
Faculty of Agricultural and Food Sciences
Laval University
Room 1312-A, Pavillon Paul-Comtois
2425, rue de l'Agriculture, Quebec, QC
Canada G1V 0A6
E-mail: gisele.lapointe@fsaa.ulaval.ca

J. Fernando Ayala-Zavala
Centro de Investigación en Alimentación y Desarrollo (CIAD),
Laboratorio de Tecnologías Emergentes,
Carretera a La Victoria, Hermosillo,
Sonora, 83304, Mexico

Editor: Food Mycology
Dr. Naresh Magan
Cranfield soil and agrifood institute
Cranfield University
United Kingdom
E-mail: n.magan@cranfield.ac.uk

Editorial Board

A. Aertsens
KU Leuven, Leuven, Belgium

A. Allende
CEBAS CSIC, Murcia, Spain

A.A. Al-Nabulsi
Jordan University of Science and Technology, Irbid 22110, Jordan

N. Arneborg
The Royal Veterinary and Agricultural University,
Frederiksberg, Denmark

M. Aslam
Agriculture and Agri-Food Canada (AAFC), Lacombe,
Alberta, Canada

J.C. Augustin
Ecole Nationale Veterinaire d'Alfort, Maisons-Alfort, France

J.W. Austin
Health Canada, Ontario, Canada

J.F. Ayala-Zavala
Centro de Investigación en Alimentación y Desarrollo, A.C.
Sonora, Mexico

T. Aymerich
Institut de Recerca i Tecnologia Agroalimentaries (IRTA),
Girona, Spain

J. Bautista-Gallego
University Rovira i Virgili, Tarragona, Spain

L.R. Beuchat
University of Georgia, Griffin, GA, USA

J. Björkroth
University of Helsinki, Finland

M. Bondi
University of Modena and Reggio Emilia, Modena, Italy

S. Bover i Cid
IRTA-Meat Technology Center, Monells, Spain

J. Bowman
University of Tasmania, Hobart, Tasmania, Australia

F. Carlin
INRA – UAPV, Avignon, France

B. Carpentier
AFSSA, Maisons-Alfort Cedex, France

G. Cebrián
University of Zaragoza, Zaragoza, Spain

A. Chaurasia
Indian Council of Agricultural Research (ICAR),
Uttar Pradesh, India

L. Coroller
Université de Brest, Quimper, France

J.E.L. Corry
University of Bristol, Bristol, UK

A. Corsetti
Università di Teramo, Teramo, Italy

C.N. Cutter
Pennsylvania State University, University Park, PA, USA

P. Dantigny
Agro-Sup Dijon, Dijon, France

H.M.W. den Besten
Wageningen Universiteit, Wageningen, Netherlands

F.H.J. Devlieghere
Ghent University, Belgium

L.M.T. Dieks
University of Stellenbosch, Stellenbosch, South Africa

B. Dixon
Bureau of Microbial Hazards, Ottawa, Ontario, Canada

K.J. Domig
BOKU - University of Natural Resources and Life Sciences,
Vienna, Austria

M. du Toit
Stellenbosch University, Stellenbosch, South Africa

H.P. Dwivedi
R&D Microbiology, bioMerieux, Inc, Hazelwood, MO, USA

D. Ercolini
University of Naples Federico II, Portici, Naples, Italy

W. Fang
Zhejiang University, Zhejiang, China

B. Franco
Universidade de São Paulo (USP), Sao Paulo, Brazil

C. Franz
University of Hygiene and Toxicology, Karlsruhe, Germany

P.M. Fratamico
United States Department of Agriculture, Pennsylvania, USA

A. Galvez
University of Jaen, Jaen, Spain

M. Gänzle
University of Alberta, Alberta, Canada

P. García
IPLA-CSIC, Villaviciosa, Spain

A. Geeraerd
Katholieke Universiteit Leuven, Leuven, Belgium

R. Geisen
Institute for Hygiene and Toxicology, Karlsruhe, Germany

A. Gill
University of Manitoba, Winnipeg, Canada

J.E. Gómez Marín
Universidad del Quindío, Armenia, Colombia

J-P. Guyot
Institut de Recherche pour le Développement, Montpellier, France

R. Holley
University of Manitoba, Winnipeg, Manitoba, Canada

W.H. Holzapfel
Handong Global University, Gyeongbuk,
Republic of Korea

H. Ingmer
University of Copenhagen, Frederiksberg C, Denmark

M. Jakobsen
Copenhagen, Denmark

J. Jean
Université Laval, Quebec, Quebec, Canada

X. Jiao
Yangzhou University, Yangzhou, China

G.-J. Nychas
Agricultural University of Athens, Athens, Greece

T.H. Jones
Lacombe Research Centre, Lacombe, Canada

H. Joosten
Wageningen University & Research Wageningen, Netherlands

K. Jordan
Teagasc, Cork, Ireland

V.K. Juneja
USDA - Agricultural Research Service, Wyndmoor, PA, USA

S. Keller
Food and Drug Administration (FDA), Bedford Park, Illinois, USA

W.J. Kelly
AgResearch, Grasslands Research Centre, Palmerston North,
New Zealand

A. Kiermeier
Adelaide, SA, Australia

G. Klein
University of Veterinary Medicine, Hannover, Germany

D. Knorr
Berlin University of Technology, Berlin, Germany

S. Koseki
National Food Research Institute, Tsukuba, Ibaraki, Japan

K. Koutsoumanis
Aristotle University of Thessaloniki, Thessaloniki, Greece

Y. Le Loir
INRA, Rennes Cedex, France

S.L. Leong
Swedish University of Agricultural Sciences, Uppsala, Sweden

F. Leroy
Vrije Universiteit Brussel, Brussels, Belgium

J. Li
Department of Food Science and Technology,
The Ohio State University, Columbus, OH, USA

M. Li
University of Washington, Seattle, Washington, USA

C. Löfström
Technical University of Denmark, Søborg, Denmark

A. López-Malo
Universidad De Las Americas Puebla, Cholula, Mexico

P. Mafart
University of Bretagne Occidentale, Quimper Cedex, France

M. Malféito Ferreira
Instituto Superior de Agronomia, Lisboa, Portugal

P. Mattarelli
Bologna University, Department of Agroenvironmental Sciences
and Technologies, Bologna, Italy

S. Mattiucci
Sapienza - University of Rome, Rome, Italy

L. Maunula
University of Helsinki, Helsinki, Finland

P.J. McClure
Unilever - Safety and Environmental Assurance Centre,
Sharnbrook, UK

T.A. McMeekin
University of Tasmania, Hobart, TAS, Australia

D. Meloni
University of Sassari, Sassari, Italy

J.-M. Membré
ONIRIS, NANTES Cedex 3, France

D.S. Nielsen
Department of Food Science, Faculty of Life Sciences,
University of Copenhagen, Denmark

G. Paoli
U.S. Department of Agriculture (USDA), Agricultural Research
Service (ARS), Wyndmoor, Pennsylvania, USA

E. Parente
Università della Basilicata, Potenza, Italy

A. Querol
Institute of Agrochemistry and Food Technology, Valencia, Spain

A. Rajkovic
Ghent University, Belgium, and University of Belgrade, Serbia

K. Rantsiou
DIVAPRA, Faculty of Agriculture, University of Turin, Italy

L. Robertson
Norwegian University of Life Sciences, Oslo, Norway

D. Rodríguez-Lázaro
Department of Microbiology, University of Burgos, Burgos, Spain

M.B. Rokni
Tehran University of medical Sciences, Iran

T. Ross
University of Tasmania, Hobart, Australia

J. Rovira
University of Burgos, Burgos, Spain

F. Ruggeri
Istituto Superiore di Sanità, Rome, Italy

A. Sant'Ana
State University of Campinas, Campinas, São Paulo, Brazil

D.W. Schaffner
Rutgers University, New Brunswick, New Jersey, USA

L. Settanni
University of Palermo, Palermo, Italy

P.N. Skandamis
Department of Food Science and Technology, Agricultural
University of Athens, Greece

R. Stephan
Institute for Food Safety and Hygiene, University of Zurich,
Switzerland

N. Strachan
University of Aberdeen, Aberdeen, UK

P. Taormina
The Coca-Cola Company, Atlanta, GA, USA

P. Taoukis
National Technical University of Athens, Athens, Greece

T.M. Taylor
Texas A&M University, USA

P.C. Teixeira
Universidade Católica Portuguesa, Porto, Portugal

E. Tsakalidou
Agricultural University of Athens, Athens, Greece

M. Uyttendaele
University of Ghent, Ghent, Belgium

V. Valdramidis
University of Malta, Msida, Malta

A. Valero
University of Córdoba, Córdoba, Spain

C. Varela
The Australian Wine Research Institute, Adelaide, Australia

K. Venkitanarayanan
University of Connecticut, Storrs, CT, USA

K. Warriner
Department of Food Science, University of Guelph, Ontario,
Canada

R.C. Williams
Virginia Polytechnic Institute & State University, Blacksburg,
VA, USA

J.A. Wouters
NIZO food research, Ede, The Netherlands

D. Zhang
Institute of Agri-Food Standards and Testing Technology, Shanghai
Academy of Agricultural Sciences, PR. China

D. Zhou
State Key Laboratory of Pathogen and Biosecurity, Beijing
Institute of Microbiology and Epidemiology, Beijing, PR China