

**EDITORIAL BOARD**  
**STEFANA JURCOANE PhD,**  
**Chief Editor,**

University of Agronomical Sciences and Veterinary Medicine,  
Bucharest, Romania

**SCIENTIFIC EDITOR**

**NICOLAE CORCIONIVOSCHI MD PhD**  
Head, UK Reference Lab Milk & Milk Products  
Principal Scientific Officer, Food Microbiology  
Agri-Food & Biosciences Institute  
Belfast, Northern Ireland

**MANAGERIAL EDITOR**

**MARIANA CARMEN CHIFIRIUC, PhD, Prof.**  
University of Bucharest, Faculty of  
Biology, Department of Botany Microbiology  
Research Institute of the University of Bucharest

**ASSOCIATED EDITORS**

**Gratiela Gradisteanu, PhD**

Research Institute of the University of Bucharest

**Ortansa Csutak, Prof.**

University of Bucharest, Romania

**TATIANA VASSU**

University of Bucharest, Romania

**TEODOR VINTILA**

Banat's University of Agricultural Sciences  
and Veterinary Medicine Timișoara, Romania

**TODD CALLAWAY**

United States Department of Agriculture,  
Agricultural Research Service, USA

**ANCA DINISCHIOTU**

University of Bucharest, Faculty of Biology,  
Romania

**MONA POPA**

University of Agronomic Sciences  
and Veterinary Medicine, Bucharest, Romania

**JOVANKA LEVIC**

University of Novi Sad,  
Institute for Food Technology, Novi Sad, Serbia

**M.H. FULEKAR**

University of Mumbai, Mumbai, India

**GABRIELA BAHRIM**

"Dunarea de Jos" University of Galați, Romania

**PETRUTA CALINA CORNEA**

University of Agronomic Sciences  
and Veterinary Medicine, Bucharest, Romania

**DANIELA MARIN**

National Research Development Institute  
for Animal Biology and Nutrition (IBNA), Romania

**GABRIELA RAPEANU**

"Dunarea de Jos" University of Galați, Romania

**IMOLA G. ZIGONEANU**

University of North Carolina at Chapel Hill, USA

**SANDA MARIA CRETOIU**

University of Medicine and Pharmacy "Carol Davila"

**FLORENTINA ISRAEL**

University of Agronomical Sciences and Veterinary  
Medicine, Bucharest, Romania

**VIOREL ION**

University of Agronomical Sciences and Veterinary  
Medicine, Bucharest, Romania

**PAUL FRASER**

Royal Holloway University of London, UK

**ANETA POP**

University of Agronomical Sciences and Veterinary  
Medicine, Bucharest, Romania

**CARMEN POSTOLACHE**

University of Bucharest, Faculty of  
Biology, Romania

**STELICA CRISTEA**

University of Agronomical Sciences and  
Veterinary Medicine, Bucharest, Romania

**ILEANA STOICA**

University of Bucharest, Faculty of  
Biology, Romania

**ERKAN SAHINKAYA**

Istanbul Medeniyet University, Turkey

**LAVINIA STEF**

Banat's University of Agricultural Sciences and  
Veterinary Medicine Timișoara, Romania

**JAN GOSEMANN**

Hannover Medical School, Germany

**GABRIEL LUCIAN RADU**

University Politehnica of Bucharest, Romania

**CARMEN SOCACIU**

University of Agronomical Sciences and  
Veterinary Medicine, Cluj-Napoca, Romania

**CONSTANȚA GANEA**

Universitu of Medicine and Pharmacy "Carol  
Davila", Bucharest, Romania

**BACH SUSAN JOAN**

Agriculture And Agri-Food Canada Summerland  
Research Centre, Canada

**GABRIELA TENEA**

Microbial Biotechnology Centre-BIOTEHGEN,  
Bucharest, Romania

**GHEORGHE CAMPEANU**

University of Agronomical Sciences and  
Veterinary Medicine, Bucharest, Romania

**DAN CAȘCAVAL**

Technical University "Gh. Asachi" of Iasi,  
Romania

**FLORENTINA MATEI**

University of Agronomical Sciences and  
Veterinary Medicine, Bucharest, Romania

**MARIETA COSTACHE**

University of Bucharest, Faculty of  
Biology, Romania

**LAURA DINU**

University of Agronomical Sciences and  
Veterinary Medicine, Bucharest, Romania

**ALICE GRIGORE**

National Institute for Chemical-Pharmaceutical  
Research and Development, Romania

**IULIANA CRETESCU**

Victor Babeş University of Medicine and Pharmacy  
Timișoara

**CARMEN DIACONU**

Institute of Virology St S. Nicolau, Bucharest,  
Romania

**MARIA CRISTINA MUNTEANU**

Oklahoma State University, Physiological Sciences  
Department, Oklahoma

**LUIS ALVAREZ, MD**

National Children's Research Centre, Dublin

**SORINA POPESCU**

Department of Biochemistry, Molecular Biology,  
Entomology and Plant Ecology, Mississippi State  
University, Mississippi State, MS, USA

**BOB MADDEN**

Agri-Food and Biosciences Institute, Belfast,  
Northern Ireland

**DENISA EGLANTINA DUTA**

National R&D Institute for Food Bioresources – IBA  
Bucharest, Romania

**MAHMOUD KAMAL AHMADI**

The Rockefeller University  
Laboratory of Genetically Encoded Small Molecules

**DRAGOMIR LUKAČ**

University of Novi Sad, Faculty of Agriculture  
Department of Animal Science, Novi Sad  
Serbia

**AMALIA MITELUT**

University of Agronomical Sciences and Veterinary  
Medicine, Bucharest, Romania

**ELENA DELIAN**

University of Agricultural Sciences and  
Veterinary Medicine, Bucharest, Romania

**ADALBERT BALOG**

Sapientia University, Cluj, Romania

**EUGENIA BEZIRTZOGLU**

University of Thrace, School of Agricultural  
and Forestry Sciences, Department of  
Agricultural Development

**VIORICA LUCHIAN LAGUNOVSKI**

University of Agronomical Sciences and  
Veterinary Medicine, Bucharest, Romania

**VLAD ANDREI BUDU**

University of Medicine and Pharmacy “Carol  
Davila”, Bucharest, Romania; Institute of  
Phonoaudiology and Functional ENT Surgery  
“Prof. Dr. D. Hociotă”, Bucharest, Romania

**NASTASIA BELC**

National R&D Institute for Food Bioresources –  
IBA Bucharest, Romania

**UNTEA ARABELA ELENA**

National Institute for Research Development in  
Animal Biology and Nutrition, Bucharest,  
Romania

**LIDIA FAVIER**

Ecole Nationale Supérieure de Chimie de Rennes,  
France

**LIVIA VIDU**

University of Agronomical Sciences and  
Veterinary Medicine, Bucharest, Romania

**CORNELIA NICHITA**

National Institute for Chemical-  
Pharmaceutical Research and Development,  
Romania

**Editorial Secretariat****RADU CRISTIAN TOMA**

University of Agronomical  
Sciences and Veterinary  
Medicine, Bucharest, Romania

**ALEXANDRU CATANA**

**MIRELA DIACONESCU**  
University of Bucharest,  
Romania

**The Journal is covered by Thomson Reuters services**

**ISSN electronic 2248-3942 ISSN 1224 – 5984**

**PUBLISHED WITH THE FINANCIAL SUPPORT OF THE NATIONAL  
SCIENTIFIC RESEARCH AUTHORITY**

Founding Editor: IOAN I.F. DUMITRU, PROF. BSc. DSc. PhD