



Open Access

Editorial Board

Co Editors-in-Chief

Solange Mussatto, PhD, Technical University of Denmark, Kgs Lyngby, Denmark

Damià Barceló, PhD, Institute of Environmental Assessment and Water Research, Barcelona, Spain

Agricultural and Biological Sciences

Section Editor

Solange Mussatto, PhD, Technical University of Denmark, Kgs Lyngby, Denmark, Biomass conversion, (Bio)Process development, Process optimization, Biorefinery, Bioeconomy, Sustainability, Biofuels, Biochemicals, Green technologies, Zero waste, Circular economy, Biomass pre-treatment and hydrolysis, Fermentation, Separation and purification

Advisory Board

Anurag Chaurasia, Scientist, Indian Institute of Vegetable Research, Varanasi Sub-district, India

Giuliano Dragone, PhD, Technical University of Denmark, Kgs Lyngby, Denmark

Julio Cesar dos Santos, PhD, University of Sao Paulo, SAO PAULO, Brazil

Biochemistry, Genetics and Molecular Biology

Section Editors

Eri Arikawa-Hirasawa, MD.PhD, Juntendo University School of Medicine Graduate School of Medicine, Bunkyo-Ku, Japan

Tamás Mészáros, D.Sc., Semmelweis University, Budapest, Hungary

Advisory Board

Vsevolod Belousov, Shemyakin-Ovchinnikov Institute of Bioorganic Chemistry Russian Academy of Sciences, Moskva, Russian Federation

Ben Berkhout, PhD, University of Amsterdam, Amsterdam, Netherlands

Barbara Bojko, PhD, DSc, Nicolaus Copernicus University in Toruń, Collegium Medicum in Bydgoszcz, Department of Pharmacodynamics and Molecular Pharmacology, Bydgoszcz, Poland

Luiz Henrique Catalani, University of Sao Paulo, SAO PAULO, Brazil

Maria DeRosa, Carleton University, Ottawa, Ontario, Canada

Henry Forman, PhD, University of Southern California, Los Angeles, California, United States of America

Celia R.S. Garcia, University of Sao Paulo, SAO PAULO, Brazil

Róbert Gyurcsányi, PhD, Budapest University of Technology and Economics, Budapest, Hungary

Karsten Hiller, Dr. rer. nat., TU Braunschweig University, Braunschweig, Germany

Jeroen Jansen, PhD, Radboud University, Nijmegen, Netherlands

Jose L. Luque-Garcia, Complutense University of Madrid, Madrid, Spain

Eleferia Psillakis, PhD, Technical University of Crete School of Chemical and Environmental Engineering, Chania, Greece

Bhagwan Rekadwad, PhD, Yenepoya Research Centre, Mangalore, Karnataka, India

Vincent Rotello, Ph. D., University of Massachusetts Amherst, Department of Chemistry, Amherst, Massachusetts, United States of America

Corinne Spickett, BA, MA, DPhil, Aston University, Birmingham, United Kingdom

Bioinformatics

Section Editor

Sergio Pantano, Pasteur Montevideo Institute, Montevideo, Uruguay

Advisory Board

Luisa Berná, PhD, University of the Republic, Faculty of Sciences, Montevideo, Uruguay

Camilla Luni, PhD, University of Bologna, Bologna, Italy

Francesco Zonta, Ph.D., ShanghaiTech University, Shanghai, China

Chemical Engineering

Section Editor

Chun-Xia Zhao, PhD, The University of Adelaide, Adelaide, Australia

Advisory Board

Mohammad Hadi Dehghani, PhD, Tehran University of Medical Sciences, Tehran, Iran

Rui Galhano dos Santos, University of Lisbon Higher Technical Institute, Lisboa, Portugal

Say Hwa Tan, Griffith University, Nathan, Queensland, Australia

Chemistry

Section Editor

Xinrui Duan, Shaanxi Normal University, Xian, China

Advisory Board

Stefano Cinti, PhD, University of Naples Federico II, Department of Pharmacy, Napoli, Italy

Matteo Gallidabino, PhD, King's College London, London, United Kingdom

Giorgia La Barbera, PhD, University of Copenhagen, København, Denmark

Cecilia Rossetti, PhD, Technical University of Denmark, Department of Chemistry, Kgs. Lyngby, Denmark

Yanlong Zhu, PhD, University of Wisconsin-Madison, Madison, Wisconsin, United States of America

Computer Science

Section Editor

Oscar Corcho, Universidad Politécnica de Madrid, Boadilla del Monte, Madrid, Spain

Advisory Board

Erick Antezana, PhD, Norwegian University of Science and Technology, Trondheim, Norway

Khalid Belhajjame, PhD, Paris Dauphine University-PSL, Paris, France

Christoph Lange, PhD, Fraunhofer Institute for Applied Information Technology FIT, Sankt Augustin, Germany

Earth and Planetary Sciences

Section Editor

Régis Braucher, European Research and Education Centre for Environmental Geosciences, Aix en Provence, France

Advisory Board

Lawrence Anovitz, The University of Tennessee Knoxville, Department of Earth and Planetary Sciences, Knoxville, Tennessee, United States of America

Silke Merchel, PhD, University of Vienna, Wien, Austria

Grzegorz Skrzypek, PhD, The University of Western Australia School of Biological Sciences, Perth, Australia

Economics and Business

Section Editor

Bernard Njindan Iyke, PhD, Deakin University Deakin Business School, Burwood, Australia

Advisory Board

Sin-Yu Ho, PhD, University of South Africa, Pretoria, South Africa

Nelson Lozada, MSc, University of Antioquia, Medellín, Colombia

Syed Aun R. Rizvi, PhD, Lahore University of Management Sciences, Lahore, Pakistan

Daniel Sakyi, PhD, Kwame Nkrumah University of Science and Technology, Department of Economics, Kumasi, Ghana

Energy

Section Editor

Giacomo Salvadori, PhD, University of Pisa, Department of Energy, Systems, Territory and Construction Engineering, Pisa, Italy

Advisory Board

Cheol Ho Pyeon, PhD, Kyoto University Institute for Integrated Radiation and Nuclear Science, Sennan-gun, Japan

Piero Ravetto, Polytechnic of Turin, Torino, Italy

Engineering

Section Editor

Maria Grazia De Giorgi, PhD, University of Salento, Lecce, Italy

Advisory Board

Eoin Coakley, Coventry University, Coventry, United Kingdom

Paolo Maria Congedo, PhD, University of Salento, Lecce, Italy

Trevor Dean, University of Birmingham School of Mechanical Engineering, Birmingham, United Kingdom

Joseph Yui-yip Lau, MSc, BSc, CMILT, The Hong Kong Polytechnic University, Hong Kong, Hong Kong

Mahmoud Shakouri, PhD, AMASCE, University of Nebraska Kearney, Kearney, Nebraska, United States of America

Pavel Trtik, Paul Scherrer Institute PSI, Villigen, Switzerland

Environmental Science

Section Editor

Damià Barceló, PhD, Institute of Environmental Assessment and Water Research, Barcelona, Spain

Advisory Board

Dawen Gao, Harbin Institute of Technology, Harbin, 150090, China

Yang Jiang, Intravacc, Bilthoven, Netherlands

Yolanda Picó, PhD, University of Valencia, Valencia, Spain

Sabine Podmirseg, Mag.Dr., University of Innsbruck, Innsbruck, Austria

Venkatramanan Senapathi, PhD, Alagappa University, Karaikkudi, India

Jack Trevors, Ph.D., University of Guelph, Guelph, Ontario, Canada

Jun Wang, The University of Iowa, Iowa City, Iowa, United States of America

Food Science

Section Editor

Andrew J. Gravelle, PhD, University of California Davis, Department of Food Science and Technology, Davis, California, United States of America

Advisory Board

Benjamin Bohrer, PhD, The Ohio State University, Columbus, Ohio, United States of America

Arun Moorthy, PhD, National Institute of Standards and Technology, Gaithersburg, Maryland, United States of America

Vania Zanella Pinto, PhD, Federal University of Fronteira Sul - Food Engineering, Chapecó, Brazil

Sai Sateesh Sagiri, PhD, Agricultural Research Organization, Department of Food Science, Rishon LeZion, Israel

Fabio Valoppi, PhD, University of Helsinki, Department of Food and Nutrition, Helsinki, Finland

Immunology and Microbiology

Section Editor

Lorraine Draper, PhD, University College Cork, Cork, Ireland

Advisory Board

Simon Authier, CiToxLAB North America, Laval, Quebec, Canada

Christina Barja-Fidalgo, Rio de Janeiro State University, RIO DE JANEIRO, Brazil

Andrei Bolocan, University College Cork, Cork, Ireland

Ciorsdan Campion, University College Cork, Cork, Ireland

Kyle Dunbar, Leibniz Institute for Natural Product Research and Infection BiologyHans Knöll Institute, Jena, Germany

De-An Guo, PhD, China Academy of Chinese Medical Sciences Institute of Chinese Materia Medica, Beijing, China

Timokratis Karamitros, PhD, Hellenic Pasteur Institute, Athens, Greece

Mehar S. Manku, PhD, Dignity Sciences, Birmingham, United Kingdom

K. Melican, Karolinska Institute, Stockholm, Sweden

Evelyn Molloy, University of Illinois Urbana-Champaign, Urbana, Illinois, United States of America

Anette Müllertz, PhD, University of Copenhagen, Faculty of Health and Medical Sciences, København, Denmark

Michael K. Pugsley, PhD, Cytokinetics Inc, South San Francisco, California, United States of America

Thomas Rades, PhD, University of Copenhagen, København, Denmark

Clare Strachan, PhD, University of Helsinki, HELSINKI, Finland

Medicine and Dentistry

Section Editor

Markus Velten, MD, PhD, University of Bonn, Bonn, Germany

Advisory Board

Rodney D Britt, PhD, Abigail Wexner Research Institute at Nationwide Children's Hospital, Columbus, Ohio, United States of America

Amy Davidoff, PhD, Vassalboro, United States of America

Thomas Hund, The Ohio State University, Columbus, Ohio, United States of America

Ronglih Liao, Brigham and Women's Hospital, Department of Medicine, Boston, Massachusetts, United States of America

Morgan Locy, MD/PhD, The University of Alabama at Birmingham, Department of Medicine, Birmingham, Alabama, United States of America

Federica del Monte, Medical University of South Carolina Gazes Cardiac Research Institute, Charleston, South Carolina, United States of America

Lynette K. Rogers, PhD, The Ohio State University, Columbus, Ohio, United States of America

Sakthivel Sadayappan, University of Cincinnati College of Medicine, Cincinnati, Ohio, United States of America

Farah Sheikh, University of California San Diego School of Medicine, La Jolla, California, United States of America

Gregory J. Tsongalis, PhD, Dartmouth Hitchcock Medical Center and Geisel School of Medicine, Department of Pathology and Laboratory Medicine, Lebanon, New Hampshire, United States of America

Noah Weisleder, Ph.D., The Ohio State University, Columbus, Ohio, United States of America

Loren Wold, The Ohio State University, Department of Physiology and Cell Biology, Columbus, Ohio, United States of America

Neuroscience

Section Editor

Advisory Board

Anita Bandrowski, PhD, University of California San Diego Center for Research in Biological Systems, San Diego, California, United States of America, Informatics

Péter Barthó, MD, PhD, Hungarian Academy of Sciences, Budapest, Hungary

Melissa Bauman, University of California Davis MIND Institute, Sacramento, California, United States of America

Colin Combs, University of North Dakota, Grand Forks, North Dakota, United States of America

Ashish Dhir, PhD, University of California Davis Medical Center, Sacramento, California, United States of America

Daniel Feldman, University of California Davis School of Medicine, Sacramento, California, United States of America

Simon Glerup, Aarhus University, Aarhus, Denmark

Tara Leah Klassen, The University of British Columbia, Vancouver, British Columbia, Canada

Hai Nguyen, PhD, University of California Davis, Davis, California, United States of America, Ion channels, neurodegeneration, immunology, pharmacology, neuropathic pain

D. Zolkowska, University of California Davis, Davis, California, United States of America, (Translational Research and Medicine)

Materials Science

Section Editor

Ken Haenen, PhD, Universiteit Hasselt Institute for Materials Research, Diepenbeek, Belgium

Physics

Section Editors

Daniela Leitner, PhD, E O Lawrence Berkeley National Laboratory, Berkeley, California, United States of America

Advisory Board

Ganhui Lan, Covance Inc, Warwick, Pennsylvania, United States of America

Pharmacology, Toxicology and Pharmaceutical Science

Section Editor

Mathieu Vinken, PhD, PharmD, ERT, Vrije University Brussel, Department of In Vitro Toxicology, Brussels, Belgium

Psychology and Psychiatry

Section Editor

Javier Gonzalez Peñas, Center for Biomedical Research in Mental Health Network, Madrid, Spain

Advisory Board

Menton Deweese, PhD, Vanderbilt University, Nashville, Tennessee, United States of America

Andreas Keil, University of Florida, Gainesville, Florida, United States of America

George Kypriotakis, PhD, The University of Texas MD Anderson Cancer Center, Department of Behavioral Science, Houston, Texas, United States of America

Colin Tucker Smith, University of Florida, Department of Psychology, Gainesville, Florida, United States of America

Matthias Wieser, Erasmus University Rotterdam, Rotterdam, Netherlands

Mathematics and Statistics

Section Editor

Qin-Wei Fan, PhD, Xi'an Polytechnic University, Xian, China

Eneko Osaba, PhD, Tecnalia Research & Innovation Foundation, San Sebastian, Spain

Advisory Board

Andries Engelbrecht, Stellenbosch University, Stellenbosch, South Africa

Ritu Gupta, Curtin University, Perth, Western Australia, Australia

Atulya Nagar, Liverpool Hope University School of Mathematics Computer Science and Engineering, Liverpool, United Kingdom

Mukesh Saraswat, Jaypee Institute of Information Technology, Noida, India

Kapil Sharma, South Asian University, New Delhi, India

Neha Yadav, National Institute of Technology Hamirpur, Hamirpur, India

Xin-She Yang, Middlesex University London, London, United Kingdom

Review Editor

Jagdish Chand Bansal, PhD, South Asian University, New Delhi, India

Ayfer Calis, Giresun University, Faculty of Engineering, Bioengineering Department, Giresun, Turkey

Content Specialist

Grace Wisser, Global Computing Laboratory, Saint-Georges-d'Orques, France
 email: g.wisser@methodsx.pub

Managing Editors

Arunabha Bose, PhD, Elsevier B.V., Amsterdam, Netherlands
 email: a.bose@methodsx.pub

READERS	Check Submitted Paper	LIBRARIANS	REVIEWERS	HardwareX
View Articles	Researcher Academy	Order Journal Personal	Log in as Reviewer	SoftwareX
Volume/Issue Alert	Rights and Permissions	Order Journal Institutional	Reviewer Recognition	Software Impacts
Personalized Recommendations	Elsevier Author Services	EDITORS	Support Center	Invention Disclosure
AUTHORS	Support Center	Publishing Ethics Resource Kit	RESEACH ELEMENTS JOURNALS	Science Talks
Submit your Paper	Track Accepted Paper	Support Center	Data in Brief	

The content on this site is intended for healthcare professionals.

We use cookies to help provide and enhance our service and tailor content. To update your cookie settings, please visit the [Pengaturan Cookie](#) for this site.

Copyright © 2023 Elsevier Inc. except certain content provided by third parties.

[Privacy Policy](#) [Terms and Conditions](#) [Accessibility](#) [Help & Contact](#)

