

Special Issue

Seaweeds, Bioactive Compounds and Health

Message from the Guest Editors

Non-communicable chronic diseases have become a major health problem worldwide. Although the development of some of these diseases has a well-known genetic background/predisposition component, several modifiable risk factors have been identified as triggering factors. Unfortunately, the therapeutic approaches have not been successful enough since their prevalence has increased. In this scenario, much effort has been made by the scientific community to look for bioactive compounds that may exert beneficial effects and thus serve as preventive or therapeutic tools against non-communicable chronic diseases. In this regard, seaweeds have been identified as rich sources of compounds of interest, such as minerals, vitamins, sterols, polyunsaturated fatty acids, fiber, polysaccharides, and peptides. Indeed, studies conducted in vitro have reported promising results regarding the potential usage of seaweeds for the development of nutraceuticals or drugs that may be effective for the treatment of the aforementioned diseases. This Special Issue aims to summarize our current knowledge of seaweed usage in the prevention and treatment of non-communicable chronic diseases.

Guest Editors

Dr. Iñaki Milton Laskibar

1. Nutrition and Obesity Group, Department of Pharmacy and Food Science, Faculty of Pharmacy, University of the Basque Country (UPV/EHU) and Lucio Lascaray Research Institute, 01006 Vitoria, Spain
2. CIBEROBN Physiopathology of Obesity and Nutrition, Institute of Health Carlos III, 01006 Vitoria, Spain
3. Bioaraba Health Research Institute, 01006 Vitoria, Spain

Prof. Dr. María P. Portillo

1. Nutrition and Obesity Group, Department of Nutrition and Food Science, Faculty of Pharmacy, Lucio Lascaray Research Center, University of the Basque Country (UPV/EHU), 01006 Vitoria, Spain
2. CIBER Fisiopatología Obesidad y Nutrición, Instituto de Salud Carlos III, Madrid, Spain
3. BIOARABA Institute of Health, Vitoria-Gasteiz, Spain

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MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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Addressing the environmental and public health challenges requires engagement and collaboration among clinicians and public health researchers. Scientific discoveries and advances in this research field play a critical role in providing a rational basis for informed decision-making toward control and prevention of human diseases, especially the illnesses that are induced from environmental exposure to health hazards.

IJERPH provides a forum for discussion of discoveries and knowledge in these multidisciplinary fields. Please consider publishing your research in this high quality peer-reviewed journal.

Editor-in-Chief

Prof. Dr. Paul R. Ward

School of Society and Culture, Adelaide University, Adelaide 5001,
Australia

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