



nutrients



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Inorganic Nitrate/Nitrite in Human Health and Disease

Guest Editor:

Dr. Mark McEvoy

School of Health Sciences,
Faculty of Health, University of
Newcastle, Callaghan, NSW 2308,
Australia

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Message from the Guest Editor

Dear Colleagues,

It is now well established that the human body uses exogenous nitrate/nitrite to synthesise the important messenger molecule, nitric oxide (NO) via the nitrate-nitrite-NO pathway. This is especially important in NO-depletion states, where exogenous nitrate/nitrite may be required in greater amounts to maintain health and prevent disease. Given that nitric oxide possesses many organ protective properties it stands to reason that sufficient NO derived from dietary or non-dietary nitrate sources may offer protection against a number of chronic diseases linked to NO depletion (e.g., cardiovascular disease, metabolic disease, respiratory disease). In the last decade there has been a surge in the number of studies examining the effects of nitrate/nitrite on cardiovascular risk factors, however limited studies have examined the association with hard cardiovascular disease endpoints. Furthermore, few studies have examined the effects of long term nitrate intake and cardiovascular disease. Moreover, an even smaller number of studies have examined any association with other diseases, such as metabolic and respiratory disease.

Associate Professor Mark McEvoy Guest Editor



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Prof. Mark McEvoy
Guest Editor

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1. Centro de Investigación Biomédica en Red Fisiopatología de la Obesidad y la Nutrición (CIBEROBN), Institute of Health Carlos III, 28029 Madrid, Spain
2. Research Institute of Biomedical and Health Sciences (IUIBS), University of Las Palmas de Gran Canaria, 35001 Las Palmas, Spain

Author Benefits

3. Preventive Medicine Service, Universidad de Las Palmas de Gran Canaria, 35016 Las Palmas, Spain

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Prof. Dr. María Luz Fernandez

Department of Nutritional Sciences, University of Connecticut, Storrs, CT 06269, USA

Message from the Editorial Board

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Contact Us

Nutrients Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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