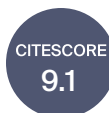




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## Energy Metabolism and Diet

Guest Editors:

**Dr. Arie Nieuwenhuizen**

Human and Animal Physiology,  
Wageningen University, The  
Netherlands

**Dr. Evert van Schothorst**

Human and Animal Physiology,  
Wageningen University,  
Wageningen, The Netherlands

Deadline for manuscript  
submissions:

**closed (28 February 2021)**

### Message from the Guest Editors

Dear Colleagues,

Since all living organisms require energy (ATP) in order to maintain homeostasis, adequate regulation of energy metabolism is crucial for maintaining health. In eukaryotic cells, mitochondria are key players in ATP production, by hosting the ATP generating process of oxidative phosphorylation. Both macro- and micronutrients potentially influence energy metabolism and mitochondrial functioning, either as substrates for (oxidative) catabolism or as essential constituents of enzymes or protein complexes involved in (mitochondrial) energy metabolism. Therefore, good metabolic health strongly depends on adequate supply of these nutrients, which, in turn, may depend on (patho) physiological and environmental conditions.

This Special Issue will include manuscripts that focus on the complex relationship between nutrients, (mitochondrial) energy metabolism and health, under various physiological conditions (e.g., ageing, exercise, hypoxia). Within this context, primary research papers as well as reviews in a variety of areas, including nutritional physiology and molecular physiology are welcomed.

Dr. Arie Nieuwenhuizen

Dr. Evert van Schothorst

*Guest Editors*



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# Special Issue



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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  
3. Preventive Medicine Service,  
Centro Hospitalario Universitario  
Insular Materno Infantil (CHUIMI),  
Canarian Health Service, 35016  
Las Palmas, Spain

### **Prof. Dr. Maria Luz Fernandez**

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

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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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