



## Micronutrients and Autoimmune Diseases

Guest Editor:

**Prof. Dr. Maria Sole Chimenti**

Department of "Medicina dei Sistemi", University of Rome Tor Vergata, Rome, Italy

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### Message from the Guest Editor

Micronutrients are vitamins and minerals that have an important role in the body's health, since they are involved in the production of enzymes, hormones, and other substances essential for normal growth and body development. Indeed, micronutrients play an important role in immunomodulatory processes through their interactions with both innate and adaptative immunity, as well as by influencing the pro-/anti-inflammatory cytokine balance. Among pathological conditions it is possible to list the following: anemia related to lower iron, folic acid, and vitamin B12 (B12) levels; reduced bone mineral density, mainly related to low calcium and 25(OH) D; a high risk of a pro-thrombotic state, linked to folic acid and B12; and chronic bowel inflammation, in which folic acid, calcium, and 25(OH)D play a key role in the pathogenesis. In this Special Issue we aim to evaluate the relationship between micronutrients and autoimmunity in the pathogenesis of, clinical patterns of, and therapeutical approaches to autoimmune diseases.





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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
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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*Nutrients* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

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