

## Special Issue

# Signatures Underlying Inflammation in the Pathogenesis and Evolution of Chronic Diseases

### Message from the Guest Editors

The relationship between inflammation and modern human diseases (e.g., diabetes mellitus, cardiovascular disease, obesity, cancer, renal disease, autoimmune diseases, and others) is still an unsolved mystery in medicine and biology. Inflammation is a protective reaction to detrimental stimuli that inevitably takes a toll on the physiological function of the tissue in which it occurs. Although we have evolved tremendously as a species, the evolution of genetic adaptation and the inflammatory response has not been able to keep up with the rapid changes in our environment, inducing escalating amounts of dissonance between the modern environment and selected traits. As a result, various tradeoffs affecting human physiology are not optimized to the modern environment, leading to heightened disease susceptibility. The aim of this Special Issue is to accommodate a wide variety of original research but also review papers centered on inflammation. Moreover, we wish to integrate various disciplines and areas of study in the medical field so as to convey a novel perspective on this topic.

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### Guest Editors

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Dr. Maria Alexandra Mârțu

Dr. Minerva Codruta Badescu

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### Deadline for manuscript submissions

closed (31 March 2025)



## Diagnostics

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### Editor-in-Chief

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