



## Bacterial and Viral Infection and Sepsis: From Pathogenesis to Therapeutic Strategies

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### Message from the Guest Editor

Dear Colleagues,

The growing interest in sepsis is associated with the recognition that it is, today, one of the most common and life-threatening conditions. Since bacterial infection is the main cause of sepsis, viral sepsis is often ignored, but the global spread of COVID-19 has changed the urgency. Importantly, platelet hyperactivity, thrombotic complication, and coagulopathy are relevant issues that can lead to multiple organ failure (MOF).

Timely diagnosis is essential to initiate effective treatment and to reduce the morbidity and mortality of sepsis. However, the diagnosis of sepsis remains a challenge, possibly related to the clinical complexity and dynamic characteristics of this disease. There is an enormous effort to investigate the pathophysiology of sepsis and the underlying mechanisms responsible for MOF in order to develop new biomarkers and early treatments in translational medical research.

We are looking forward to improving outcomes in sepsis. As such, this Special Issue of *Biomedicines* will focus on bacterial and viral sepsis and bring new insights into the genetics, pathophysiology, diagnosis, biomarkers, and treatment.





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## Message from the Editor-in-Chief

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