



## Diagnostic and Therapeutic Advances in the Management of Sepsis and Septic Shock

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Deadline for manuscript  
submissions:

**closed (31 July 2023)**

### Message from the Guest Editor

Dear Colleagues,

We are delighted to present this Special Issue of the International Journal of Molecular Sciences: “Diagnostic and Therapeutic Advances in the Management of Sepsis and Septic Shock”. The conceptual framework for the diagnosis of sepsis, septic shock and endotoxic shock has multiple steps, including an initial evaluation of the etiology and clinical features, assessment of the primary hemodynamic manifestations, and consideration of the alterations in cellular biology and the degree of local tissue injury. The identification of biomarkers is particularly important to understand molecular mechanisms and diagnose sepsis, enabling early intervention, which can reduce the risk of death. Many adjunctive treatments in septic shock target perturbations in the innate immune response and coagulation cascade. An example of this is extracorporeal blood purification therapy, which has been proposed to improve outcomes in patients with sepsis. Therefore, IJMS is proud to offer this platform to promote and highlight valuable research on “Diagnostic and Therapeutic Advances in the Management of Sepsis and Septic Shock”.





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## Message from the Editor-in-Chief

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