

Special Issue

Sepsis: Current Updates and Perspectives

Message from the Guest Editor

Despite the remarkable progress and technical developments in intensive care medicine, sepsis remains a major global health challenge with a high mortality rate. Nowadays, the rise of antibiotic resistance mandates a more judicious approach to antibiotics; therefore, antimicrobial stewardship is crucial. Rapid diagnostic tools for pathogen identification are being integrated into care, enabling timely de-escalation of broad-spectrum antibiotics and helping prevent resistance. Recent advancements in sepsis management emphasize early detection, timely intervention, and personalized treatment for patients with sepsis. Early diagnosis and outcome prediction with novel biomarkers and AI are transforming sepsis management and aiding in decision-making. The future perspectives hold promises for developing even more personalized treatment options by integrating complex data from genomics, proteomics, and metabolomics. In this Special Issue, we invite researchers and clinicians to submit their work, which may include original clinical research studies, as well as narrative and systematic reviews.

Guest Editor

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