



Acute-Phase Proteins in Animals

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Deadline for manuscript
submissions:

closed (15 September 2022)

Message from the Guest Editors

Inflammation is one of the key biological defense responses to pathogenic microorganism infections, physical irritation, and chemical contact. Acute-phase proteins are important indicators of acute inflammation. Acute-phase proteins, such as C-reactive protein (CRP), serum amyloid A (SAA), α_1 acid glycoprotein (AAG), haptoglobin (Hp), and α_2 -macroglobulin (α_2 M), have been used as biomarkers of acute inflammation. The serum levels of these acute-phase proteins are known to increase in a variety of diseases or conditions, such as *Bordetella bronchiseptica* or *Ehrlichia canis* infection, surgical trauma, and gastrointestinal bleeding. Acute-phase protein fluctuations reflect the animal's condition and are widely used in veterinary medicine. The purpose of this Special Issue is to clarify the usefulness of acute-phase proteins in nonclinical studies or veterinary clinical practices. Such studies can significantly improve their role as indicators of acute inflammation and may provide benefits in the treatment of more diseases. In particular, by accumulating evidence in veterinary clinical practice, it is possible to further increase the usefulness of these acute proteins.





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Message from the Editor-in-Chief

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Journal Rank: JCR - Q1 (*Veterinary Sciences*) / CiteScore - Q2 (*General Veterinary*)

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