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Heat Stress and Amino Acids in Poultry Production

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Message from the Guest Editor

Global warming causes “heat stress” to domestic animals such as dairy and beef cattle, pigs, and poultry, resulting in economic losses. In poultry production, several feeding strategies using electrolytes, vitamins, minerals, and phytochemicals have been conducted to alleviate the negative effects of heat stress. Amino acid (AA) fortification in the diet is the most useful mean with which to improve the performance under heat-stressed conditions. The effects of AA supplementation into normal or low crude protein diets, and the supplemented AA types such as the limiting AA, essential AA or its combination have been extensively evaluated to seek the effective feed formulation for suppressing the heat stress effects. In this Special Issue, the updated topic regarding “Heat stress and amino acid in poultry production” is raised, which includes novel AA supplementation effects, AA dynamics and absorption machinery, as well as AA metabolomics, regardless of AA types.



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Special Issue



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Message from the Editor-in-Chief

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