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**Global climate change impacts and mitigation on animal health**

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**Abstract**

Climate change is an additional factor affecting animal production that is naturally dynamic  
and facing many physical and biomedical challenges. Its impacts on several sectors have  
been given more emphasis with little attention on effects of climate change on animal health  
and infectious processes. Hence, this review is a periscope to the relationship between  
climate change and animal health, adaptation and mitigation approaches for sustainable  
global ecosystem. It shows that while the global livestock sector contributes a significant  
share to anthropogenic Green House Gas (GHG) emissions, it can also partake significantly  
in the mitigation efforts. Consequently, concerted and collective actions from animal care  
stakeholders are urgently required to ensure that existing and promising adaptation and  
mitigation approaches are encouraged.

**Keywords:**Animal health. Climate change. Greenhouse gas. Temperature