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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