Mariana Eloisa Garcia Ascolani

Paraguay

Studying at: University of Florida, USA

Hosted by: Queens University, UK

What is your academic background?

I am a PhD candidate studying Animal Sciences at the University of Florida (USA). I conduct my research projects at the UF North Florida Research and Education Center, where we focus on beef cattle, forage and crops production. My research aims to evaluate and successfully develop nutritional strategies to mitigate methane emissions of enteric origin in beef cattle consuming high-fiber diets. These strategies are conducive to the development of feed additives that could potentially decrease methane production by inhibiting the ruminal population of methanogenic Archaea, as well as the inclusion of feed ingredients in the diet to improve cattle energy efficiency.

Which project have you been selected for?

I was selected to participate in the CLIFF-GRADS Livestock Project "Predicting appropriate GHG mitigation strategies based on modelling variables that contribute to ruminant environmental impact", supervised by Dr. Sharon Huws.

How will this award impact your study?

The training I will receive will complement my understanding of the physiological mechanisms related to methanogenesis in the rumen, as well as the effects of the host and the environment on methane production.

Tell us a bit more about yourself?

I enjoy outdoor activities, reading, being with my family and getting together with friends.

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