



## RESEARCH PROFILE

### Contact Information

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Department of Agriculture & Natural Resources

149 Ag Annex

Delaware State University, Dover, DE 19901

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### Doctoral Degree

Integrative Biosciences (Molecular Parasitology)  
Tuskegee University

### Research Interest Area(s)

Low-input small ruminant production

Using basic and applied research to identify novel means of parasite control which will be applicable for producers

### Professional Affiliations

*American Society of Animal Science*

*American Consortium for Small Ruminant Parasite Control*

### Publications (last three years)

William Witola, Kwame Matthews and Mark McHugh. 2016. In vitro anthelmintic efficacy of inhibitors of phosphoethanolamine Methyltransferases in *Haemonchus contortus*. *International Journal for Parasitology: Drugs and Drug Resistance*.

William H. Witola, Sheritta Cooks-Fagbodun, Adriana Reyes Ordonez, Kwame Matthews, Daniel A. Abugri, Mark McHugh. 2016. Knockdown of phosphoethanolamine transmethylation enzymes decreases viability of *Haemonchus contortus*. *Veterinary Parasitology*.

K. K. Matthews, D. J. O'Brien, N. C. Whitley, J. M. Burke, J. E. Miller, and R. A. Barczewski. 2015. Investigation of possible pumpkin seeds and ginger effects on gastrointestinal nematode infection indicators in meat goat kids and lambs. *Journal of Small Ruminant Research*.

William Witola, Brett Bauman, Mark McHugh, and Kwame Matthews. 2014. Silencing of GRA10 Protein Expression Inhibits *Toxoplasma gondii* Intracellular Growth and Development. *Parasitol Int*. 2014 Oct; 63(5):651-8.

B. A. McCrea, A. F. Mills, K. Matthews, J. Hutson. 2014. Performance and Carcass Characteristics of Delaware Chickens in Comparison to Broilers. *Journal of Applied Poultry Research*.



**KWAME K. MATTHEWS**

Assistant Professor/Small Ruminant Specialist