

## College of Veterinary Medicine

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### EDUCATION/TRAINING

Institution and Location	Degree	Graduation Year	Major
Alabama State University	Ph.D.	2021	Microbiology
Tuskegee University	M.Sc.	2006	Immunotoxicology
Khartoum University	B.Sc.	1993	Veterinary Science

### TEACHING

VMED-0819 Infection and Immunity III Bacteriology and Mycology Lecture

### RESEARCH INTERESTS

My research interest lies in elucidating the intricate molecular mechanisms employed by hgcAB genes to catalyze mercury (Hg) methylation. Specifically, I aim to unravel the roles of hgcA and hgcB in serving as methyl group and electron donors, respectively, within the proposed microbial methylation pathway. Furthermore, I

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**Y. Abdelmageed**, Carrie Miller, Alexander Johs, and Boakai Robertson. (2021) Mercury Methylation by Desulfomonile tiedjei DCB-1 and Biochar Effects on Methylmercury Production. It was submitted to the Environmental Toxicology Journal.

**Abdelmageed, Y.** et al., *Assessing Microbial Communities Related to Mercury Transformations in Contaminated Streambank Soils*. Water, Air, & Soil Pollution, 2021. **232**(1): p. 1-15.

Egbo, T. E., Johs, A., Sahu, R., **Abdelmageed, Y.**, Ogbudu, J., & Robertson, B. K. (2021). Interaction of Soil Microbes with Organoclays and their Impact on the Immobilization of Hg under Aerobic Conditions. *Water, Air, & Soil Pollution*, 232(4), 1-9.

Timothy E Egbo & Carrie A Sanders, **Y. Abdelmageed**, Ali Saber, Rajnish Sahu & Boakai K Robertson, 2019. *Journal of Environmental Health*. Vol. 13(3), pages 9926-9935, January.

Heath, John & **Abdelmageed, Y** & Braden, Tim & Goyal, Hitesh. (2012). The Effects of Chronic Ingestion of Mercuric Chloride on Fertility and Testosterone Levels in Male Sprague Dawley Rats. *Journal of biomedicine & biotechnology*. 2012. 815186. 10.1155/2012/815186.

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Heath, J. C., **Abdelmageed, Y.**, Nichols, A. C., Steffy, D. A., Braden, T. D., and Goyal, H.O. (2008). The Comparative effects of chronic ingestion of mercuric chloride on fertility on male and female Sprague Dawley rats. *Birth Defects Research Part A*. 82(5):385.

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