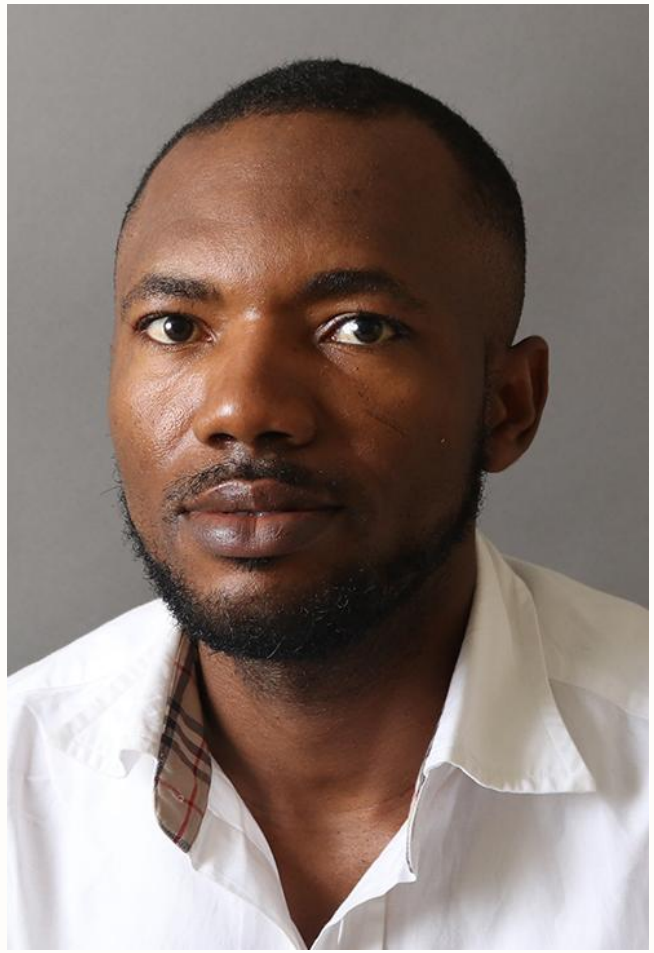
FOOD SCIENCE AND TECHNOLOGY
Institute of Agriculture and Natural Resources

University of Nebraska Lincoln



MS Thesis Defense

Advisor: Dr. Byron D. Chaves

Kassim Sulleyman

Modeling the Survival of Salmonella in Beef Jerky: Influence of Product Thickness and Temperature on Dehydration Rate and Microbial Inactivation

Date: Monday, July 21, 2025

Time: 1:00 PM

Location: ANSC C203

Zoom Link: https://unl.zoom.us/j/92882919938?pwd=EALvm7G3geHC9vSILBtISLfz5Zrj27.1

Kassim Sulleyman is a graduate student currently pursuing a Master of Science degree in Animal Science with an emphasis on Meat Science and Muscle Biology at the University of Nebraska–Lincoln under the supervision of Dr. Byron D. Chaves. His research focuses on evaluating the survival of *Salmonella* in beef jerky, specifically examining the effects of slice thickness, drying temperature, and post-drying storage. Kassim's work integrates microbial challenge studies and predictive modeling to support the development of safer, shelf-stable meat products. He holds a Bachelor's degree (Agriculture Technology) and an MPhil Animal Science from the University for Development Studies-Ghana.