

College of Veterinary Medicine

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**Title: Professor,
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Health and Food Safety**



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EDUCATION/TRAINING

Institution and Location	Degree	Graduation Year	Major
National Polytechnic Institute of Toulouse (INPT), Toulouse, France.	PhD	2008	Molecular Bacteriology
National Polytechnic Institute of Toulouse (INPT), Toulouse, France.	DRU (MSc)	2004	Molecular Bacteriology
Paul Valéry University of Montpellier, Montpellier, France	Diploma	2002-2003	French Language
Addis Ababa University, Bishoftu Campus, Ethiopia.	DVM	2000	Veterinary Medicine

TEACHING

MSPH0620=Epidemiological Methods for the Study of Infectious Disease

VMED 819=Infection and Immunity III

RESEARCH INTERESTS

My research interest ranges from working on pathogen detection tools, study novel vaccine development to overall animal or environmental assessment to determine sources of major foodborne pathogens to curtail preharvest food contamination. In addition, I am working in collaboration with engineering departments to use nanoparticles for pathogen concentration from different food matrixes. The latter study also includes testing biodegradable packaging materials to limit food contamination during shelf life in stores.

RECENT PUBLICATIONS

Anisa S. Khan, Karla Georges, Saed Rahaman, Woubit Abebe, and Abiodun A. Adesiyun, Characterization of *Salmonella* Isolates Recovered from Stages of the Processing Lines at Four Broiler Processing Plants in Trinidad and Tobago, *Microorganisms* 2021, 9(5), 1048: <https://doi.org/10.3390/microorganisms9051048>

Alva Stewart-Johnson, Francis Dziva, **Woubit Abdela**, Saed Rahaman, Abiodun Adesiyun Prevalence of methicillin-resistant *Staphylococcus aureus* (MRSA) in pigs and workers at abattoirs in Trinidad and Tobago. *Journal of Infection in Developing Countries*, 2019; 13(5):400-409. doi:10.3855/jidc.10552

Manik C. Biswas, Boniface J. Tiimob, **Woubit Abdela**, Shaik Jeelani, and Vijaya K. Rangari. Nano silica-carbon-silver ternary hybrid induced antimicrobial composite films for food packaging application. *Food Packaging and Shelf Life* 19 (2019): 104-113

Rawah Faraj, Ehsan Abdalla, Gopal Reddy, Temesgen Samuel, **Woubit Abdela**. Chimera of Heat labile Enterotoxin B chain conjugate with LipL32 and or LipL21 proteins induces strong reactive antibodies in experimental mice "IOSR Journal of Biotechnology and Biochemistry (IOSR-JBB) 4. 3 (2018): 58-68