

College of Veterinary Medicine

Woubit Abdela

**Associate
Professor**

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EDUCATION/TRAINING

Institution and Location	Degree	Graduation Year	Major
Addis Ababa University, Faculty of Veterinary Medicine, Ethiopia	DVM	2000	Veterinary Medicine
University Paul Valéry, Montpellier III France	Diploma	2004	French Language
Institut National Polytechnique de Toulouse, France	MSc	2005	Molecular Biology
Institut National Polytechnique de Toulouse, France	PhD	2008	Molecular Biology

TEACHING

- Microbiology (Spring, First Year DVM students)
MBIO411, MBIO411G
- Molecular Biology and Bioethics (Fall, First Year DVM Students)
MBIO311, MBIO311G
- Senior and Junior Micro-Parasitology Clinical Rotation
SMED595, SMED596, SMED695, SMED696
- Epidemiological Methods for the Study of Infectious Disease
MSPH0620 (Graduate students in MPH and MSPH program)

RESEARCH INTERESTS

Research in microbial food safety and application of molecular and nanotechnology tools in the specific identification of major food borne pathogens, threat agents, spores and toxins that may contaminant food system. Study to understand and improve methodologies that help concentrate small amount of pathogens present different food matrices. Develop molecular based tools to simultaneously detect multiple food borne pathogens and food safety threat agents.

RECENT PUBLICATIONS

- Mohamed A, Reddy GP, Samuel T, Mansour M, **Woubit A** (2016) *Clostridium difficile* (Cd) in Shelter Dogs: Rationale for Screening of Pets Slated for Adoption. SOJ Vet Sci 2(1): 1-6.
- Eman El-Shahat Abdeen, Heba Hussien, Zakariea Hussan and **Woubit Abdela**, 2016. Genotyping and virulence genes of Enterococcus faecalis isolated form kareish cheese and minced meat in Egypt. Res. J. Microbiol, 11: 133-138.
- Hoang Hiep Nguyen, So Yeon Yi, **Abdela Woubit** and Moonil Kim. A Portable Surface Plasmon Resonance Biosensor for Rapid Detection of *Salmonella* Typhimurium. Appl. Sci. Converg. Technol. 25(3): 61-65 (2016).

- Giang Nguyen, Magda Ismail Abo-Samaha, Gopal Reddy, Mohammed Abdulrahman, Temesgen Samuel, Abiodun Adesiyun and **Woubit Abdela**. Improved Detection of *Campylobacter jejuni*, *Listeria monocytogenes* and *Salmonella* Typhimurium from Raw Meat Products Using Conventional and Newly Developed TaqMan Assays. **Int. J. Poult. Sci. 14 (7): 364-375, 2015.**
- Hazem Ramadan, Byungjin Min, Amit K. Tiwari, Gopal Reddy, Abiodun Adesiyun, Arthur Hinton Jr. and **Woubit Abdela**. Antibacterial Activity of Pomegranate, Orange and Lemon Peel Extracts Against Food-Borne Pathogens and Spoilage Bacteria In vitro and on Poultry Skin, **Int. J. Poult. Sci., 14 (4): 229-239, 2015.**
- Jeho Parka, Hoang Hiep Nguyena, **Abdela Woubit**, and Moonil Kim. Applications of Field-Effect Transistor (FET)-Type Biosensors, **Review Paper Applied Science and Convergence Technology** Vol.23 No.2, **March 2014**, pp.61~71.
Abdela Woubit, Teshome Yehualaeshet, Sherrelle Roberts, Martha Graham, Moonil Kim, and Temesgen Samuel. Customizable PCR-microplate array for differential identification of multiple pathogens. **Journal of Food Protection 2013, 76:11 1948-1957.**

SERVICE ACTIVITIES

- Graduate Council Committee
- Student committee
- Training for international colleagues in food safety diagnostics