

## **Dr. Teshome Yehualaeshet**

### **PUBLICATIONS:**

- 1) Fadlalla K., Elgendy R., Gilbreath E., Pondugula S.R., **Yehualaeshet T.**, Mansour M., Serbessa T., Manne U., Samuel T. [3-\(2-Bromoethyl\)-indole inhibits the growth of cancer cells and NF-κB activation.](#) Oncol Rep. 2015 Jul; 34(1):495-503. PMID: 26063116
- 2) Delesa EK, Yohannes A, Alemayehu M, Samuel T and **Yehualaeshet T.** [Calves' sex ratio in naturally and artificially bred cattle in central Ethiopia.](#) Theriogenology. 2014. Aug; 82 (3):433-9. PMID: 24908336
- 3) **Yehualaeshet T.**, Graham M., Montgomery M., Habtemariam T., Samuel T., and W. Abdela. Effects of temperature on the viability, growth and gene profile of *Yersinia pseudotuberculosis* and *Yersinia enterocolitica* inoculated in milk. Food Control 2013. 34, 589-595. [doi:10.1016/j.foodcont.2013.05.025](https://doi.org/10.1016/j.foodcont.2013.05.025)
- 4) Abdela W., **Yehualaeshet T.**, Roberts S., Graham M., Kim M., and T. Samuel. Customizable PCR-microplate array for differential identification of multiple pathogens. Journal of Food Protection 2013. 76:11 1948-1957. PMID: 24215700
- 5) Abdela W., **Yehualaeshet T.**, Habtemariam T., and T. Samuel. Novel Genomic Tools for Specific and Real-Time Detection of Biothreat and Frequently Encountered Foodborne Pathogens Journal of Food Protection, 2012 Apr;75(4):660-70. PMID:22488053
- 6) Abdela W., Graham M., Habtemariam T., Samuel T, and **T. Yehualaeshet.** Effects of Orange Juice pH on survival, Urease Activity and DNA profiles of *Yersinia enterocolitica* and *Yersinia pseudotuberculosis* Stored at 4 C. Journal of Food Safety. 2011. [Volume 31, Issue 4,](#) pages 487–496. PMID: 22081735
- 7) Fadlalla K., Watson A., **Yehualaeshet T.**, Turner T., Samuel T. Ruta graveolens extract induces DNA damage pathways and blocks Akt activation to inhibit cancer cell proliferation and survival. Anticancer Res. 2011, Jan;31(1):233-41.PMID: 21273604
- 8) Samuel T., Fadlalla K., Turner T., and **T. Yehualaeshet.** The Flavonoid Quercetin Transiently Inhibits the Activity of Taxol and Nocodazole Through Interference With the Cell Cycle, Nutrition and Cancer. 2010. 62: 8, 1025 — 1035. PMID: 21058190
- 9) Debretsion A., Wesley I.V., Habtemariam T., and **T. Yehualaeshet.** Comparison of culture based and rtPCR detection of *Campylobacter jejuni* from Retailed Chicken. Journal of Food Safety. (2009). Volume 29, Issue 4, Date: November, 588-600. DOI: 10.1111/j.1745-4565.2009.00179

### **INVITED PRESENTATION:**

- 1) **Teshome Yehualaeshet**. 2013. Application of DNA-intercalating dye to empower PCR to differentiate live and dead bacteria. The Defense Threat Reduction Agency (DTRA). October 22, Forte Belvoir, VA
- 2) **Teshome Yehualaeshet**. 2012. Modification of Sample Preparation to Differentiate Live and Dead Bacteria by Polymerase Chain Reaction Integrated Sample Preparation; Techniques and applications. 6th International Conference; Sample preparation series. October 18-19, Baltimore, MD

#### POSTER PRESENTATION:

- 1) Mason Marshall, Ensaf Taha, Temesgen Samuel, and **Teshome Yehualaeshet**. 2016. Application of Cinnamon and Curcumin to Deter *E. coli* Growth and Increase Antibiotic Susceptibility Subcategory: Microbiology/ Immunology/ Virology. 2016 Emerging Researchers National Conference in STEM. Conference Program Book A167
- 2) Mason Marshall, Ensaf Taha, Temesgen Samuel, and **Teshome Yehualaeshet**. 2015. Annual Biomedical Research Conference for Minority Students. (ABRCMS). Seattle, Washington. , November 11 - 14, 2015
- 3) Taha E., Hinton Jr. Arthur H., Tameru B., Samuel T., and **T. Yehualaeshet**. 2014. Single and Combined Effects of Curcumin and Trans cinnamaldehyde to Inhibit the Growth of *Salmonella Typhimurium* *Joint meeting of Southeastern and Florida ASM Branches* Ponte Vedra, FL, September 5-7
- 4) Bekele B., emesgen Samuel, Berhanu Tameru, Webb Lloyd , John Heath and **Teshome Yehualaeshet**. 2013. Identification and Characterization of Staphylococcus species Isolated from Fast Food Restaurants and its Environments in Tuskegee, Alabama. 14<sup>th</sup> Biomedical Research Symposium. September 19-20. Tuskegee, AL. South east Microbiology
- 5) Jacqueline D. Mack, Mi-Kyung Park, Berhanu Tameru, **Teshome Yehualaeshet** & Bryan A. Chin. 2012. Comparison and Optimization of Blocking Agents for Phage-Based Biosensor Used as Real-Time Detection Method for *Salmonella Typhimurium* 14<sup>th</sup> Biomedical Research Symposium. September 19-20, Tuskegee, AL
- 6) **Yehualaeshet T.**, Graham M., Abdela W., Heath J., Habtemariam T., and T. Samuel. 2012. Kinetics of Thermal Inactivation and Injury of *Yersinia pestis*, *Yersinia pseudotuberculosis* and *Yersinia enterocolitica* Inoculated in Milk. 112<sup>th</sup> General Meeting, American Society for Microbiology (ASM). San Francisco, California, June 16-19
- 7) Bekele B. and **T. Yehualaeshet**. 2012. Preliminary Survey on the Importance of Cross-contamination as a Source of Food Contamination. 98<sup>th</sup> Annual Meeting of the

Southeastern Branch of the American Society for Microbiology. October 25 – 27, Athens GA

- 8) Mack J.D., Park M., **Yehualaeshet T.**, and B. A. Chin. 2012. Phage-Based Biosensor Used on Romaine Lettuce as Real-Time Detection Method for *Salmonella* Typhimurium. 98<sup>th</sup> Annual Meeting of the Southeastern Branch of the American Society for Microbiology . October 25 – 27, Athens GA
- 9) Infante K., Jayne, J., Samuel T., Graham M., and **T. Yehualaeshet**. 2012. In vitro bactericidal activities of lytic peptides against *Staphylococcus aureus* and *Staphylococcus warneri*. 13<sup>th</sup> Annual Biomedical Research Symposium (BMRS), Sept. 20-21, Tuskegee, AL
- 10)Graham M., Samuel T., Cole A., Collay A., Stephen D., and **T. Yehualaeshet**. 2012. Development of a Standardized Molecular Beacon Real-Time PCR Assay for the Specific Detection of *Listeria monocytogenes* and *Salmonella enterica serovar* Typhimurium. 13<sup>th</sup> Annual Biomedical Research Symposium (BMRS), Sept. 20-21-2012. Tuskegee, AL
- 11)Patterson Z., Fadlalla K., Benjamin S., **Yehualaeshet T.**, Turner T., Manne U., and T. Samuel. 2012. The activity of indole-derivative compounds on colon cancer cells. 13<sup>th</sup> Annual Biomedical Research Symposium, College of Veterinary Medicine, Nursing and Allied Health Tuskegee University, Tuskegee, AL, September 20-21
- 12)**Yehualaeshet T.**, Graham M., Samuel T., Habtemariam T., and W. Abdela. 2011. Temperature Tolerance of *Yersinia* Inoculated in Milk: Viability, Gene Expression and Genomic Rearrangements. 111<sup>th</sup> General Meeting, American Society for Microbiology (ASM). New Orleans, Louisiana, May 21-24, 2011
- 13)Infante K.D., Maddox J., Samuel T., Abdela W., Graham M., and **T. Yehualaeshet**. 2011. Antimicrobial Resistance Spectrum among *Staphylococcus* and *Streptococcus* Isolates. 46<sup>th</sup> Veterinary Medical Symposium. Tuskegee, AL. March 24-28
- 14)**Yehualaeshet T.**, Samuel T., and L. Ayanwale. 2011. Food Safety Implications at Farmers and Processing Level 119<sup>th</sup> Annual Farmers Conference, Tuskegee University, Kellogg Conference Center, Tuskegee, Alabama. February 17-18.2011
- 15)Samuel T., **Yehualaeshet T.**, and L. Ayanwale. 2011. Food Safety Implications at Consumer Level. 119<sup>th</sup> Annual Farmers Conference, Tuskegee University, Kellogg Conference Center, Tuskegee, Alabama. February 17-18.2011
- 16)Abdela W., **Yehualaeshet T.**, Graham M., and T. Samuel. 2011. Molecular detection of food-threat and frequently encountered food-borne pathogens. Workshop on Novel Sampling and Sensing for Improving Food Safety. Georgia Institute of Technology, Atlanta, GA. June 16 – 17

- 17) Edmonds G., Jones C., Samuel T., Graham M., Abdela W., Aoi N., Shange R., and **T. Yehualaeshet**. 2011. Pyrosequencing and traditional culture protocol: Microbiota profile of nasal swabs from dogs. Accepted to 46<sup>th</sup> Veterinary Medical Symposium, , March 24-28, Tuskegee, AL
- 18) Pollard J., Abdela W., Tameru B., **Yehualaeshet T.**, Graham M., and T. Samuel. 2010. Phylogenetic Position of *F. tularensis subsp. F. meiacistica* within the *F. tularensis subsp. Tularensis Clade* Based on the Analysis of Nine Concatenated Housekeeping Genes. 11<sup>th</sup> Biomedical Research Symposium. September 23-24. Tuskegee, AL
- 19) Edmonds G., Abdelrahman M., Samuel T., Graham M., Aoi N., Abdela W., and **T. Yehualaeshet**. 2010. Investigation on *Staphylococcus aureus* in canines: identification, prevalence and antimicrobial susceptibility. 45<sup>th</sup> Veterinary Medical Symposium. March 24-28, Tuskegee, AL
- 20) Moore S., Graham M., Samuel T., Edmond E. Abdela W., and **T. Yehualaeshet**. 2010. Antimicrobial Potential of Vegetable Homogenate to Inhibit the Growth of *Yersinia* Species. 45<sup>th</sup> Veterinary Medical Symposium. March 24-28. Tuskegee, AL
- 21) **Yehualaeshet, T.**, Habtemariam T., Khalda F., and T Samuel. 2010. BITC-Induced Apoptotic Genes in Prostate and Breast Cancer Cell Lines. 12<sup>th</sup> RCMI International Symposium on Health disparities December 6-9, Nashville, Tennessee
- 22) **Yehualaeshet T.**, Abdela W., Graham M., and T. Samuel. 2010. *Yersiniae*: From Biothreat to Foodborne Pathogens; The Genomic fluidity and Dynamics. Presentation at 11<sup>th</sup> Biomedical Research Symposium. September 23-24, Tuskegee, AL
- 23) **Yehualaeshet T.** Particie R., Billups L., T. Samuel. 2009. Bioactivity of Benzyl-isothiocyanate (BITC) on prostate cancer cells. Center for Cancer Research and Therapeutic Development (CCRTD) and Department of Biological Sciences. 5<sup>th</sup> Annual National Symposium on Prostate Cancer. March 16-17, Atlanta GA
- 24) **Yehualaeshet T.**, Graham M., Samuel T., Habtemariam T. and W. Abdela. 2009. Molecular Typing of *Yersinia enterocolitica* and *Yersinia pseudotuberculosis* after Temperature and pH stresses. CSL/JIFSAN Joint Symposium. Food Safety and Nutrition: Methods and Systems for Tracking, Tracing and Verifying Foods, May 13-15. Greenbelt, MD
- 25) Pollard J., **Yehualaeshet T.**, Graham M., Samuel T., and W. Abdela. 2009. Multilocus sequence alignment in the transcriptional analysis of potentially pathogenic genes of *Yersinia* ensuing pH treatment 2009. 10<sup>th</sup> Annual Research Biomedical Symposium. Tuskegee University
- 26) Abdela W., **Yehualaeshet T.** and T. Samuel. 2009. Simultaneous detection of multiple food safety threat agents using multiplex PCR and PCR based microarray approaches. Agents theme Fall meeting. National center for Food Protection and Defense, A Homeland Security Center of Excellence. University of Minnesota

27) **Yehualaeshet T.**, Habtemariam T., Nandee R., and W. Abdela. 2008. Effects of Temperature on Survival and growth of *Yersinia* and Associated Gene Profile. National Center for Food Protection and Defense (NCFPD) Annual Meeting. Sept. 29-Oct 1, Minnesota MN

28) Abdela W., Habtemariam T., Moore S., and **T. Yehualaeshet**. 2008. Survival of *Yersinia enterocolitica* and *Yersinia pseudotuberculosis* in orange Juice under different pH conditions. National Center for Food Protection and Defense (NCFPD) Annual Meeting. Sept. 29-Oct 1, Minnesota MN

**BOOK:**

**Teshome Yehualaeshet**, Fundamentals of Molecular Biology, MBIO 0311. Tuskegee University, Molecular Biology. McGraw Hill Create. ISBN- 10:1121396275, 2012