

## STAFF PROFILE CONTENT BRIEF

[https://www.dut.ac.za/faculty/applied\\_sciences](https://www.dut.ac.za/faculty/applied_sciences)

FACULTY OF  
APPLIED  
SCIENCES



## DESIGNATION

### PROFESSOR



**Title & Name:** PROF Oluwatosin A. Ijabadeniyi

**Qualification & Institution:** PhD (UP)

**Contact Number:** +2731 373 5310

**Email Address:** [oluwatosini@dut.ac.za](mailto:oluwatosini@dut.ac.za)

**Campus:** Steve Biko

**Area of Expertise:** Food safety and security

**Short Bio:** Professor Ijabadeniyi is a Professor in the Department of Biotechnology and Food Science, Durban University of Technology. His current research focuses on incidence of food borne pathogens that constitute public health risk, including *Listeria monocytogenes*, *E. coli* O157:H7 *Salmonella* and *Aspergillus flavus*. The use of different interventions to control persistent pathogens in foods also form a vital part of his food safety research interest. His Interests also lie in studying and improving the quality of fermented foods most especially African indigenous fermented foods. His work since joining Durban University of Technology about 10 years ago has involved conducting food safety and security research. His research has shown that ready to eat food sold and consumed in South Africa constitute public health risk. One of the food borne pathogens he has researched on is *Listeria monocytogenes*, which was responsible for the world's worst listeriosis outbreak that occurred in South Africa in 2017/2018. Oluwatosin has also investigated the use of different hurdles including but not limited to chemical sanitizers, probiotics, and bacteriophage, to control persistent pathogens in food. His work has also revealed that to better protect public health; the food safety system should be strengthened. Also, based on his experience in research and interaction with stakeholders in the food industry, he advocates the importance of being proactive and focusing on preventing food safety problems rather than on reacting to problems after they occur.

**Academic Interests:** Food safety, food quality, traditional fermented foods, food microbiology, crop processing and value addition and empowerment of smallholder farmers.

**Research Links:** [ORCID ID: 0000-0002-6283-8517](https://orcid.org/0000-0002-6283-8517)