

Prof. Geremew Bultosa (short CV)

Contact address

Department of Food Science and Technology (FST), Botswana University of Agriculture and Natural Resources (BUAN), Private Bag 0027, Gaborone, Botswana, Cell phone: +267 73 32 82 40 or +267 74726213 or Tel Office: [+267 3650128](tel:+2673650128). Fax: +2673928753. E-mail: geremewbultosa@gmail.com, gbultosa@buan.ac.bw OR BGgeremew_Bultosa@yahoo.com OR www.buan.ac.bw

Area of expertise

- ❖ Food Science and Technology/Food Chemistry
- ❖ Food Analysis
- ❖ Grain Science and Technology
- ❖ Postharvest
- ❖ Functional Foods
- ❖ Food Packaging
- ❖ Food Nutrition
- ❖ Food Safety
- ❖ Value Addition on Agricultural Food Produces
- ❖ Weaning Foods Development
- ❖ Indigenous foods
- ❖ Plants and animals edible resource nutrients and bioactive compounds assessment toward food nutrition security and health

Prof G. Bultosa is an Ethiopian national born 15 July 1966, married and is a father of two boys and two girls. He holds Ph.D in Food Science from the University of Pretoria, South Africa; M.Sc. in Applied Science of Materials (Chemistry) from Dar es Salaam University, Tanzania; BSc in Chemistry from Addis Ababa University, Ethiopia and Certificate in Food Technology from the Hebrew University of Jerusalem, Israel. He has also 15 certificates on short professional training courses.

Prof G. Bultosa is currently working as an Associate Professor at the Department of Food Science and Technology, Botswana University of Agriculture and Natural Resources (BUAN), Botswana where he had also served as Head of the Department from 10 August 2012 to 30 June 2016. Prior joining BUAN, he was an Associate Professor and Head of the Department of Food Science and Postharvest Technology at Haramaya University, Ethiopia from 15 January 2008 to 6 February 2012.

Prof G. Bultosa has service of over 31 years (that includes study leave for PhD three years and MSc for two years) at the University. To this date he has offered a total of 40 different courses (11 for postgraduate programs and 29 for undergraduate programs) in the various area of Food Science and Technology (Food Chemistry; Food Analysis; Grain Science and Technology; Beverage Science and Technology; Food Packaging; Food Waste Management; Postgraduate Seminars; Fruits and Vegetable Processing; Post-harvest Management and Value Addition of Cereals and Pulses; Post-harvest Management and Value Addition of Oil Crops; Food Quality, Safety and Standards; Sugar, Starch, Honey and Confectionary Technology; Food Biotechnology and Fermentation; Fats and Oils Processing Technology; Introduction to Food Science and Postharvest Technology; Introduction to Food Industry;

Sport Nutrition; Food Hygiene and Sanitation) and Chemistry (Analytical Chemistry, Instrumental Analysis, Organic Chemistry, Organic and Biological Chemistry, Inorganic Chemistry) for most of the courses more than two times.

Prof G. Bultosa has also served as visiting professor to various Universities: Jimma University, Wollega University, Hawassa University, Bahir Dara University, Ethiopia; and Purdue University, USA. From 2013 to 2017 he has led the development of MSc curriculums in Food Science and Technology with four streams (Animal Food Technology, Plant Food Technology, Food Safety, Food Engineering and Postharvest Technology) and PhD in Food Science at FST Department of BUAN, Botswana. Before joining BUAN, he has also led in the development of MSc and BSc curriculums in the area of Food Science and Postharvest Technology offered at Haramaya University, Ethiopia.

Prof G. Bultosa has supervised as major or co-supervisor 53 MSc and five PhD Theses works, published 78 peer reviewed papers (70 in refereed journals, six papers in an authoritative reference books and two papers in conference proceedings) in the area of food science and technology, postharvest technology, food chemistry, starches, functional foods and food value addition. Prof G. Bultosa has attended a number of conferences and presented various papers and plenary lectures. In addition to his lecture notes, he has also developed three laboratory manuals, five training modules in the area of grain science and technology, food safety, functional foods processing and also supervised the development of other seven training modules in the area of grain science and technology. He has successfully completed four research projects of international scope: two times from International Foundation for Science; National Agriculture Research Fund on Functional Foods; and Center for Research on Grain Quality, Processing and Technology Transfer (CRGQPTT). Currently at BUAN, G. Bultosa is a team leader for research project “*Survey of indigenous foods in three districts of Botswana with potential for the development of functional foods*” “*Development of functional foods and nutrient enhancement of indigenous foods by potential utilization of selected food sources of Botswana*”.

Personal Performance Scores (PMS): 83.5% for 2017, 96.4% for 2016, 1.92 for 2015, 2.45 for 2014, 1.99 for 2013 and 1.64 for 21/07/2012 to 31/03/2013 which translates into outstanding exceptional performance and exceeds expectation on BUAN/BCA PMS scale. *BUAN/BCA PMS scales (90-100%=outstanding exceptional performance, 80-89%=above average performance, 70-79% =average performance, 60-69% below average performance, 0-59% poor performance; 1.0-1.7= outstanding, 1.8-2.5= exceeds expectation, 2.6-3.5= meet expectations, 3.6-4.3=below expectations, >4.3 = unacceptable performance).*

Professional Computer applications

Word processors (Microsoft Word, Microsoft Excel and Microsoft Power Point). Professional applications [ChemWindow, RVA ThermoLine for Windows, Universal Thermal Analysis for Windows, Statistica for Windows, Atomic Absorption Analysis Software Analyze, Texture Analyzer for Texture Expert Software, Farinogram Software-Brabender ® Farinograph version: 2.3.6, 1996–2005, Microsoft Corporation, Brabender Micro Visco-Amylo-Graph® software version: 2.3.15, 1996–2006, Amylograph®E and Data Correlation version: 4.1.4 softwar (Amylograph Brabender® GmbH & Co. KG, Duisburg, Germany), Microsoft Corporation; Astra for Windows software (version 4.90.08, 1994-2002)].