

Dr. Dorothy Nakimbugwe is a Senior Lecturer in the Department of Food Technology and Nutrition (FTN). She has been a faculty member since 1997. Dr. Nakimbugwe teaches a number of undergraduate and graduate courses and is heavily involved in research. Her primary research interest areas are Nutrient-enhanced Food product development and Food Safety. In addition, Dr. Nakimbugwe has extensive consulting experience, and has worked with a number of entities and projects in various consulting roles. Dr. Nakimbugwe received her Ph.D. in 2006, from Katholieke University of Leuven, Belgium in 2006. Prior to pursuing her doctorate, she earned a M.Sc. in 1996 from Cornell University, New York, USA in 1996 and a B.Sc. in Food Science and Technology from Makerere University in 1994.

List of Selected Publications

1. Ndagire, C. T., Muyonga, J. H., Manju, R. and Nakimbugwe, D. 2015. Optimized formulation and processing protocol for a supplementary bean-based composite flour. *Food Science & Nutrition*, 3: 527–538. doi: 10.1002/fsn3.244
2. Aisha MUSAAZI NAKITTO, John H. Muyonga and Dorothy Nakimbugwe. 2015. Effects of combined traditional processing methods on the nutritional quality of beans. *Food Science & Nutrition FSN3209*.
3. Tibagonzeka J., Wambete J., Muyinda A.M. Nakimbugwe D., and J. H. Muyonga. 2014. Acceptability and Nutritional Contribution of Grain Amaranth Recipes in Uganda. *African Journal of Food, Agriculture, Nutrition and Development* 14(3) 8979-8997.
4. Deborah Nabuuma, Dorothy Nakimbugwe, Yusuf B. Byaruhanga, Firibu Kwesi Saalia, Robert Dixon Phillips and Jinru Chen. 2013. Development of the process for a drinkable plant-based Infant Food. *Journal of Nutrition and Food Sciences* 3:210. Volume 3 issue 4. 1000210. An online open access journal. DOI 10.4172/2155-9600.1000210.
5. Deborah Nabuuma, Dorothy Nakimbugwe, Yusuf B. Byaruhanga, Firibu Kwesi Saalia, Robert Dixon Phillips and Jinru Chen. 2012. Formulation of a drinkable peanut-based therapeutic food for malnourished children, using plant sources. *International Journal of Food Science & Nutrition* 64(4), pp. 467-475.

6. Kwikiriza, N., Mugisha J., Ainebyona, R., Nakimbugwe, D, Masinde, D.M. and Nyankanga, R.O. 2012. Economic Evaluation of Grain Amaranth Production in Kamuli District, Uganda. *Journal of Agricultural Science and Technology A2*.
7. Dorothy Nakimbugwe, Barbara Masschalck, Grace Anim and Chris W. Michiels. 2006. Inactivation of gram-negative bacteria in milk and banana juice by hen egg white and lambda lysozyme under high hydrostatic pressure. *International Journal of Food Microbiology* 112:19-25.
8. Dorothy Nakimbugwe, Barbara Masschalck, Daphne Deckers, Lien Callewaert, Abram Aertsen & Chris W. Michiels. 2006. Cell wall substrate specificity of six different lysozymes and lysozyme inhibitory activity of bacterial extracts. *FEMS Microbiology Letters* 259, 41–46.
9. Nakimbugwe Dorothy, Masschalck Barbara, Zewdie-Bosuner Abebech, Atanassova Miroslava and Michiels Chris. 2006. Bacterial inactivation by different lysozymes in combination with High Hydrostatic Pressure. *International Journal of Food Microbiology* 108, 355–363.
10. Dorothy Nakimbugwe and Kathryn J. Boor. 2010. Food Safety as a bridge between Food Systems and Human Health in Sub-Saharan Africa. Chapter 8 In: *The African Food System and its interaction with Human Health and Nutrition*. Per Pinstруп-Andersen (ed.). United Nations University & Cornell University Press. London & Ithaca NY. 45

Selected Accomplishments

1. Development of high quality food protein from multi-purpose crops through optimized, sustainable production and processing methods - PROTEIN2FOOD. European Commission, 2014-2020 Horizon 2020 - research and innovation framework programme.
2. Insect Feed for Fish and Poultry in Kenya and Uganda. International Development Research Centre, Canada (IDRC) and Australia Centre for International Agricultural Research (ACIAR). 2014-2017. Principle Investigator – Uganda.
3. Development and Evaluation of a Nutrition Breakfast Cereal and a Snack Suitable for Young Children and Women of Reproductive Age, Using Bio-fortified beans.

Harvest Plus Challenge Program. IFPRI/HP/CIAT. 2013 - 2014. Principal Investigator.

4. Enhancing the food and nutrition security of vulnerable communities through value-added iron-enhanced bean products. Pan Africa Bean Research Alliance (PABRA)/International Centre for Tropical Agriculture (CIAT) 2012-todate. Principal Investigator.
5. Use of Stable Isotopes to assess the Prevalence of overweight, Obesity and Non-Communicable Diseases among School Children in Uganda. IAEA Regional Project for Africa. 2012-todate. Principal Investigator & Uganda project counterpart.