

PEER REVIEWED PUBLICATIONS OF MARTIN KIMANYA AS OF JUNE 2021

1. Book

Mycotoxin Control in Low- and Middle-Income Countries. A book edited by Wild CP, Miller JD, Groopman JD. Lyon, France: International Agency for Research on Cancer (IARC Working Group Report No. 9). Available from: <http://publications.iarc.fr/Book-And-Report-Series/Iarc-Working-Group-Reports/Mycotoxin-Control-In-Low-And-Middle-Income-Countries-2015>

2. Journal papers

1.	Clara Mollay, Neema Kassim, Rebecca Stoltzfus & Martin Kimanya (2021) . Complementary feeding in Kongwa, Tanzania: Findings to inform a mycotoxin mitigation trial, Maternal & child Nutrition , https://doi.org/10.1111/mcn.13188 .
2.	Kimanya ME , Routledge MN, Mpolya E, Ezekiel CN, Shirima CP, Gong YY (2021). Estimating the risk of aflatoxin-induced liver cancer in Tanzania based on biomarker data. PLoS ONE 16(3): e0247281 . https://doi.org/10.1371/journal.pone.0247281
3.	S. B. Boni, F. Beed, M. E. Kimanya , E. Koyano, O. Mponda, D. Mamiro, B. Kaoneka, R. Bandyopadhyay, S. Korie, G. Mahuku (2021). Aflatoxin contamination in Tanzania: quantifying the problem in maize and groundnuts from rural households. World Mycotoxin Journal, ISSN 1875-0710 print, ISSN 1875-0796 online, DOI 10.3920/WMJ2020.2646
4.	Hifza Rasheed, Ya Xu, Martin E. Kimanya , Xiaoxi Pan, Zhihua Li, Xiaobo Zou, Candida P. Shirima, Melvin Holmes, Michael N. Routledge & Yun Yun Gong (2021). Estimating the health burden of aflatoxin attributable stunting among children in low income countries of Africa, Nature Scientific reports, https://doi.org/10.1038/s41598-020-80356-4
5.	S.S. Fundikira, S. De Saeger, M. E. Kimanya , and J. K. Mugula (2020). Awareness, Handling and Storage Factors associated with Aflatoxin Contamination in spices marketed in Dar es Salaam, Tanzania. World Mycotoxin Journal , https://doi.org/10.3920/wmj2020.2590
6.	Clara Mollay, Neema Kassim, Rebecca Stoltzfus & Martin Kimanya (2020) . Childhood dietary exposure of aflatoxins and fumonisins in Tanzania: A review. Cogent Food & Agriculture (2020) , https://doi.org/10.1080/23311932.2020.1859047
7.	L.D. Kaale, M.E. Kimanya , I.J. Macha and N. Mlalila (2020). Aflatoxin contamination and recommendations to improve its control: a review, <i>World Mycotoxin Journal</i> , DOI 10.3920/WMJ2020.2599
8.	Geoffrey J. Mchau, Revocatus Machunda, Martin Kimanya , Edna Makule, Yun Yun Gong, Julie P. Meneely, Christopher T. Elliott and Brett Greer (2020). First Report of the Co-occurrence of Cylindrospermopsin, Nodularin and Microcystins in the Freshwaters of Lake Victoria, Tanzania. Exposure and Health , https://doi.org/10.1007/s12403-020-00372-7 .
9.	Erica Phillips, Francis Ngure, Laura E. Smith, Edna Makule, Paul C. Turner, Rebeca Nelson, Martin Kimanya , Rebecca Stoltzfus and Neema Kassim (2020). Protocol for the Trial to Establish a Causal Linkage Between Mycotoxin Exposure and Child Stunting: A Cluster Randomized Trial. BMC Public Health , 20:598: https://doi.org/10.1186/s12889-020-08694-6
10.	Geoffrey J. Mchau, Edna Makule, Revocatus Machunda, Yun Yun Gong and Martin Kimanya (2019) . Phycocyanin as a proxy for algal blooms in surface waters: case study of Ukerewe

	Island, Tanzania. Water Practice & Technology Vol 14 No 1 : doi: 10.2166/wpt.2019.005
11.	Geoffrey J. Mchau, Edna Makule, Revocatus Machunda, Yun Yun Gong and Martin Kimanya (2019) . Harmful algal bloom and associated health risks among users of Lake Victoria freshwater: Ukerewe Island, Tanzania. Journal of Water and Health : doi: 10.2166/wh.2019.083
12.	Kejo D, Martin H, Mosha TCE, Petrucka P and Kimanya ME (2019) . Factors Influencing Willingness to Pay for Multiple Micronutrient Powder (Virutubishi) Supplements for Young Children in Arusha, Tanzania. Journal of Health and Medical Economics . http://health-medical-economics.imedpub.com/archive.php
13.	Purificator A. Kiwango, Neema Kassim, Martin E. Kimanya (2019) . Household vegetable processing practices influencing occurrence of pesticide residues in ready-to-eat vegetables. J Food Saf . 2019:e12737. wileyonlinelibrary.com/journal/jfs © 2019 Wiley Periodicals, Inc. 1 of 15 https://doi.org/10.1111/jfs.12737
14.	L. Matumba, M. Kimanya , W. Chunga-Sambo, M. Munthali and A. Ayalew (2019) . Probabilistic dietary based estimation of the burden of aflatoxin-induced hepatocellular carcinoma among adult Malawians. World Mycotoxin Journal . ISSN 1875-0710 print, ISSN 1875-0796 online, DOI 10.3920/WMJ2018.2346.
15.	Dyness Kejo, Pammla Petrucka, Haikael Martin, Theobald C. E. Mosha and Martin E. Kimanya (2019) . Efficacy of Different Doses of Multiple Micronutrient Powder Haemoglobin Concentration in Children Aged 6–59 Months in Arusha District. Scientifica , https://doi.org/10.1155/2019/8979456n
16.	Emmanuel M. Ayo, Athanasia Matemtu , Germana H. Laswai and Martin E. Kimanya (2018) . An <i>In Vitro</i> Evaluation of the Capacity of Local Tanzanian Crude Clay and Ash-Based Materials in Binding Aflatoxins in Solution. Toxins , 10 , 510; doi:10.3390/toxins10120510 www.mdpi
17.	Yun Yun Gong, Belinda Janse van Rensburg, Martin Kimanya and Hans P. van Egmond (2018). Foreword WMJ special issue ‘Mycotoxins in Africa’ (2018) . World Mycotoxin Journal , 11 (3): 305-309
18.	A. Kamala, C. Shirima, B. Jani, M. Bakari, H. Sillo, N. Rusibamayila, S. De Saeger, M. Kimanya , Y.Y.Gong, A. Simba and the investigation team (2018) . Outbreak of an acute aflatoxicosis in Tanzania during 2016 (2018). World Mycotoxin Journal 11(3):311-320 . DOI: 10.3920/WMJ2018.2344
19.	Analice Kamala, Martin Kimanya , Happy Magoha, Bruno De Meulenaer ¹ , Patrick Kolsteren, Liesbeth Jacxsens, Geert Haesaert, Kaiza Kilango, Bendantuguka Tiisekwa, Carl Lachat (2018) . Post-harvest interventions decrease infants’ dietary exposure to aflatoxins and fumonisins in Tanzania: a Cluster Randomized Controlled Trial. World Mycotoxin Journal , 11(3), 447 - 458
20.	Richard Raphael Madege, Kris Audenaert , Martin Kimanya , Bendantukuka Tiisekwa , Bruno De Meulenaer , Boris Bekaert , Sofie Landschoot and Geert Haesaert (2018) . Control of <i>Fusarium verticillioides</i> (Sacc.) Nirenbergand Fumonisin by Using a Combination of Crop Protection Products and Fertilization. Toxins , 10 , 67; doi:10.3390/toxins10020067
21.	Hoyce Amini Mshida, Neema Kassim, Emmanuel Mpolya and Martin Epafra Kimanya (2018) . Water, sanitation and hygiene practices and its impact on infectious diseases and under-nutrition among children below five years of age in low income countries. <i>Journal of Biodiversity and Environmental Sciences</i> : 12(3), 378-390
22.	Purificator A. Kiwango, Neema Kassim and Martin E. Kimanya (2018) . Pesticide residues in vegetables: Practical interventions to minimize the risk of human exposure in Tanzania.

	Current Journal of Applied Science and Technology, 26(1): 1-18
23.	Dyness Kejo, Pammla Petrucka, Haikel Martin, Martin E Kimanya and Theobald CE Moshia (2018). Prevalence and predictors of anaemia among under-five in Arusha district, Tanzania. Pediatric Health, Medicine and Therapeutics, 9: 9–15.
24.	Gaoyun Chen, Yun Yun Gong, Martin E. Kimanya , Candida P. Shirima & Michael N. Routledge (2018). Comparison of urinary aflatoxin M1 and aflatoxin albumin adducts as biomarkers for assessing aflatoxin exposure in Tanzanian children. Biomarkers: 23 (2): 131 – 136: DOI: http://dx.doi.org/10.1080/1354750X.2017.1285960
25.	Purificator A. Kiwango, Neema Kassim and Martin E. Kimanya (2018). The risk of dietary exposure to pesticide residues and its association with pesticide application practices among vegetable farmers in Arusha, Tanzania. Food Research Journal :7(2)
26.	Hoyce Amini Mshida, Neema Kassim, Martin Epafros Kimanya and Emmanuel Mpolya (2017). Water, Sanitation and Hygiene practices associated with nutritional status of under-five children in Semi-Pastoral communities Tanzania. American Journal of Tropical Medicine & Hygiene.
27.	Hoyce Amini Mshida, Neema Kassim, Martin Epafros Kimanya and Emmanuel Mpolya (2017). Influence of Water, Sanitation, and Hygiene Practices on Common Infections among Under-Five Children in Longido and Monduli Districts of Arusha, Tanzania. Journal of Environmental and Public Health, DOI: https://doi.org/10.1155/2017/9235168
28.	Victoria Kariathi, Neema Kassim and Martin Kimanya (2017). Risk of Exposures of Pesticide Residues from Tomato in Tanzania. African Journal of Food Science, DOI10.5897/AJFS2016.1527
29.	Selestin J. Ngoma, Martin Kimanya , Bendantukuka Tiisekwa and Dismas Mwaseba (2017). Perception and Attitude of Parents Towards Aflatoxins Contamination in Complementary Foods and Its Management in Central Tanzania. The Journal of Middle East and Northern Africa Sciences, 3(3), 6-21.
30.	Selestin J. Ngoma, Bendantukuka Tiisekwa, Dismas Mwaseba and. Martin Kimanya (2016). Awareness of Aflatoxin Health Risks among Parents with Children Aged Between 6-23 Months in Central Tanzania. International Journal of Nutrition and Food Sciences, 5(6), 429 - 435
31.	Selestin J. Ngoma, Bendantukuka Tiisekwa, Dismas Mwaseba and. Martin Kimanya (2016). Parents Practices Associated with Aflatoxin Contamination and Control of Complementary Foods in Central Tanzania. Journal of Food and Nutrition Sciences, 4(6), 152 – 161.
32.	Patrick A. Geary, Gaoyun Chen, Martin E. Kimanya , Candida P. Shirima, Michalina Oplatowska-Stachowiak, Christopher T. Elliott, Michael N. Routledge, Yun Yun Gong (2016). Determination of multi-mycotoxin occurrence in maize based porridges from selected regions of Tanzania by liquid chromatography tandem mass spectrometry (LC-MS/MS), a longitudinal study. Food Control, 68, 337–343
33.	Victoria Kariathi, Neema Kassim, Martin Kimanya (2016). Pesticide exposure from fresh tomatoes and its relationship with pesticide application practices in Meru district. Cogent Food & Agriculture, 2: 1196808 http://dx.doi.org/10.1080/23311932.2016.1196808.
34.	Kamala A, Kimanya M , Haesaert G, Tiisekwa B, Madege R, Degraeve S, Cyprian C, De Meulenaer B. (2016). Local post-harvest practices associated with aflatoxins and fumonisins contamination of maize in three agro ecological zones of Tanzania. Food Additives and Contaminants Part A-DOI: 10.1080/19440049.2016.1138546

35.	Fides Simon, Kelvin Mark Mtei, Martin Kimanya (2016). Heavy Metals Contamination in Agricultural Soil and Rice in Tanzania: A Review. International Journal of Environmental Protection and Policy , 4(1): 16-23, doi: 10.11648/j.ijep.20160401.13
36.	Martin Kimanya (2015). The health impacts of mycotoxins in the eastern Africa region. Current Opinion in Food Science , 6: 7 – 11, https://doi.org/10.1016/j.cofs.2015.11.005
37.	YY Gong, CP Shirima, C Srey , ME Kimanya , MN Routledge (2015). Deoxynivalenol and Fumonisin exposure in children and adults in a family study. World Mycotoxin Journal , 8(5), 553-560
38.	Kissa Kulwa, Peter Mamiro, Martin Kimanya , Rajab Mziray and Patrick Kolsteren (2015). Feeding practices and nutrient content of complementary meals in rural central Tanzania: Implications for dietary adequacy and nutritional status. BMC Paediatrics , DOI 10. 1186/s12887-015-0489-2; 15:171: 3 - 11
39.	Ibrahim Shabani, Martin E. Kimanya , Peter N. Gichuhi, Conrad Bonsi, Adelia C. Bovell-Benjamin (2015). Maize Storage and Consumption Practices of Farmers in Handeni District, Tanzania: Corollaries for Mycotoxin Contamination. Open Journal of Preventive Medicine , 2015, 5, 330-339
40.	S. Degraeve, R. Madege, K. Audenaert, A. Kamala, J. Ortiz, M. Kimanya , B. Tiisekwa, B. De Meulenaer, and G. Haesaert (2015). Impact of local pre-harvest management practices in maize on the occurrence of Fusarium species and associated mycotoxins in two agro-ecosystems in Tanzania. Food Control , 59: 225 -233
41.	Analice Kamalaa, Johana Ortiza, Martin Kimanya , Geert Haesaerte, Silvana Donosoc, Bendantuguka Tiisekwa , Bruno De Meulenaer (2015). Multiple mycotoxin co-occurrence in maize grown in three agro-ecological zones of Tanzania. Food Control , Vol 15, 208 - 215.
42.	Epifania A. Minja, Francis Fredric, Namala Mkopi, Neema Kassim, Martin Kimanya and Beatrice Lyimo (2015). The impact of neurological disorders on nutritional status and growth of children: Muhimbili Na-tional Hospital, Tanzania. International Journal of Maternal and Child Health , 43-49
43.	Candida P. Shirima, Martin E. Kimanya , Michael N. Routledge, Chou Srey, Joyce L. Kinabo, Hans-Ulrich Humpf, Christopher P. Wild, Yu-Kang Tu, and Yun Yun Gong (2015). A Prospective Study of Growth and Biomarkers of Exposure to Aflatoxin and Fumonisin during Early Childhood in Tanzania. Environmental Health Perspective , 23(2): 173 - 179
44.	Happy Magoha, Martin Kimanya , Bruno De Meulenaer, Dominique Roberfroid, Carl Lachat and Patrick Kolsteren (2014). Risk of dietary exposure to aflatoxins and fumonisins in infants less than 6 months of age in Rombo, Northern Tanzania. Maternal and Child Nutrition , DOI: 10.1111/mcn.12155
45.	Happy Magoha, Bruno De Meulenaer, Martin Kimanya , Danstan Hipolite, Dominique Roberfroid, Carl Lachat, Lieven Huybregts and Patrick Kolsteren (2014). Fumonisin B1 contamination in breast milk and its exposure in infants under six months of age in Rombo, Northern Tanzania. Food and Chemical Toxicology (2014), Vol 74, 112-116
46.	Michael N. Routledge, Martin E. Kimanya , Candida P. Shirima, Christopher P. Wild and Yun Yun Gong (2014). Quantitative Correlation of Aflatoxin Bimarker with Dietary Intake of

	Aflatoxins in Tanzanian Children. Biomarker, Vol 19, 430 – 435.
47.	Happy Magoha, Martin Kimanya , Bruno De Meulenaer, Dominique Roberfroid, Carl Lachat, and Patrick Kolsteren (2014). Association between Aflatoxin M1 Exposures through Breast Milk and Growth Impairment in infants of Rombo, Northern Tanzania. World Mycotoxin Journal, 7, 277–284.
48.	Chou Srey, Martin E. Kimanya , Candida P. Shirima, Michael N. Routledge, and Yun Yun Gong (2014). Deoxynivalenol exposure in young children in Tanzania. . Molecular Nutrition and Food Research, Vol 58, 1574-1580.
49.	Martin E. Kimanya , Candida P. Shirima, Happy Magoha, Danstan H. Shewiyo, Bruno De Meulenaer , Patrick Kolsteren and Yun Yun Gong (2014). Co-exposures of aflatoxins with deoxynivalenol and fumonisins from maize based complementary foods in Rombo, Northern Tanzania. Food Control, 41C. 76-81.
50.	Ali D. Maggid, Martin E. Kimanya and Patrick A. Ndakidemi (2014). The contamination and exposure of mercury in honey from Singida, Central Tanzania. American Journal of Research Communication, 2014, Vol. 2(10)
51.	Ezekiel P. Mubito, Francis P. Shahada, Martin E. Kimanya and Joram J. Buza (2014). Sulfonamide residues in commercial layer chicken eggs in Dar es Salaam, Tanzania. American Journal of Research Communication, Vol. 2(4)
52.	Ezekiel P. Mubito, Francis P. Shahada, Martin E. Kimanya and Joram J. Buza (2014). Antibiotic use in the poultry industry in Dar es Salaam, Tanzania and public health implications. American Journal of Research Communication, Vol. 2(4)
53.	GS Shephard, ME Kimanya , KA Kpodo, GJ Gnonlonfin . (2013). The risk management dilemma for fumonisin mycotoxins. Food Control, 34, 596-600
54.	Candida P. Shirima, Martin E. Kimanya , Joyce L. Kinabo, Michael N. Routledge, Chou Srey, Christopher P. Wild and Yun Yun Gong. (2013). Dietary exposure to aflatoxin and fumonisin among Tanzanian children as determined using biomarkers of exposure. Molecular Nutrition and Food Research, 57(10):1874-1881
55.	Kimanya ME , Meulenaer BD, Van Camp J. and Kolsteren P. (2012). Strategies to reduce fumonisins exposure from maize based complementary foods in Tanzania. Maternal and Child Nutrition (2012), 8, pp. 503–511
56.	Kimanya ME , Meulenaer BD, Roberfroid D, Lachat C and Kolsteren P. (2010). Fumonisin exposure through maize in complementary foods is inversely associated with linear growth of infants in Tanzania. Molecular Nutrition and Food Research, 54, 1659–1667
57.	Shawel D, Hagos S, Lachat C, Kimanya M , Kolsteren P. Post production losses in iodine concentration of salt hamper the control of iodine deficiency disorders: a case study in northern Ethiopia (2010). Journal of Health, Population and Nutrition ; 28(3) 238-244
58.	Kimanya ME , De Meulenaer B, Tiisekwa B, Ugullum C, Van Camp J, Devlieghere F, Kolsteren P. (2009). Fumonisin exposure from freshly harvested and stored maize and its relationship with traditional agronomic practices in Rombo district, Tanzania. Food Additives and Contaminants Part A-Chemistry Analysis Control Exposure & Risk Assessment, Part A, 26 (8), 1199 - 1208

59.	Kimanya ME , Meulenaer BD, Baert K, Tiisekwa B Van Camp J, Samapundo S, Lachat C and Kolsteren P. (2009). Exposure of infants to fumonisins in maize-based complementary foods in rural Tanzania. Molecular Nutrition and Food Research . 53 , 667 – 674
60.	Kimanya ME , De Meulenaer B, Tiisekwa B, Ndomondo-Sigonda M, Van Camp J, Devlieghere F, Kolsteren P. (2008). Co-occurrence of fumonisins with aflatoxins in home stored maize for human consumption in rural villages of Tanzania. Food Additives and Contaminants Part A-Chemistry Analysis Control Exposure & Risk Assessment , 25 :1353-1364
61.	Kimanya, M. , De Meulenaer, B., Tiisekwa, B., Ndomondo-Sigonda, M. and Kolsteren, P. (2008). Human exposure to fumonisins from home grown maize in Tanzania. World Mycotoxin Journal ; 1(3) :307-313
62.	Kimanya, ME. , Mamiro, PS., Van Camp, J., Devlieghere, F., Opsomer, A, Kolsteren, P. and Debevere, J. (2003). Growth of <i>Staphylococcus aureus</i> and <i>Bacillus cereus</i> during germination and drying of finger millet and kidney beans. International Journal of Food Science and Technology ; 38 :119 – 125

3. Book Chapter

- a) Controlling aflatoxins in maize in Africa: strategies, challenges and opportunities for improvement. In D. Watson, *Achieving sustainable cultivation of maize*. Volume 2: Cultivation techniques, pest and disease control (2017). Cambridge: Burleigh Doods Science Publishing
- b) Assessment of Fumonisin Exposure to Infants Consuming Maize based Foods in Rombo Northern Tanzania. In: *Communications in Agricultural and Applied Biological Sciences* (2007). Coupure Links 653, 900 Gent (Belgium), Vol 72(1) pp 13-17
- c) Influence of a Complementary Food on the Growth and Iron & Zinc Nutritional Status of Children 6 Months – 1 Year Old in Kilosa District, Tanzania, In: *International Symposium Research in Applied Nutrition in Developing Countries: Challenges and Expectations* (2005), *The Royal Academy of Overseas Sciences & Nutrition Third World Brussels, 3 December, 2004*, pp. 75 -95