

Munialo, C.D. (2024). A review of alternative plant protein sources, their extraction, functional characterisation, application, nutritional value and pinch points to being the solution to sustainable food production. *International Journal of Food Science & Technology*, 59 (1) 462 - 472.

Munialo, C.D. (2024). An exploration of alternative proteins as a potential sustainable solution to meeting the nutritional needs of the ever-increasing global population. *International Journal of Food Science & Technology*, 59(5) 2846 - 2859.

Ogutu, F.O., Okiko, G., Wanjala, G., Luvitaa, S., Obong'o, B.O., Vriesekoop, F., **Munialo, C.D.** (2024). Unlocking the potential of plant-based foods in sub-Saharan Africa: a review of the opportunities and challenges. *International Journal of Food Science & Technology*, 59 (8) 5326-5342.

Jepson, L.M., Daniel, R., Nyambayo, I., **Munialo, C.D.** (2024). The isolation and characterisation of protein from nine edible insect species. *Journal of Food Science and Technology*, pp.1-10.

Munialo, C. D., & Mellor, D. D. (2023). A review of the impact of social disruptions on food security and food choice. *Food Science & Nutrition*.

Munialo, C. D. and Vriesekoop, F. (2023). Plant-based foods as meat and fat substitutes. *Food Science and Nutrition*, 11 (9) 4898 - 4911.

Elmarhoum, S., Ako, K., **Munialo, C. D.,** and Rharbi, Y. (2023). Helicity degree of carrageenan conformation determines the polysaccharide and water interactions. *Carbohydrate Polymers*, 120952.

Munialo, C. D., & Andrei, M. (2023). General health benefits and sensory perception of plant-based foods. In *Engineering Plant-Based Food Systems* (pp. 13-26). Academic Press.

Porro, M., Kundrotaitė, E., Mellor, D., and **Munialo, C.D.** (2023). A narrative review of the functional components of human breast milk and their potential to modulate the gut microbiome, the consideration of maternal and child characteristics, and confounders of breastfeeding, and their impact on risk of obesity later in life. *Nutrition Reviews*, 81 (5) 597–609.

Teko, E., Ako, K., Yousefi, A., **Munialo, C. D.,** and Osseyi, E. (2022). Rheological study of cowpea puree ‘adowè’ and the influence of saliva on the puree viscosity. *International Journal of Food Science & Technology*, 57(5), 3098-3105.

Munialo, C. D., Stewart, D., Campbell, L., & Euston, S. R. (2022). Extraction, characterisation, and functional applications of sustainable alternative protein sources for future foods: A Review. *Future Foods*, 100152.

Lonchamp, J., Stewart, K., **Munialo, C.D.**, Evans, L., Akintoye, M., Gordon, S., Clegg, P.S., Willoughby, N., Euston, S. R. (2022). Mycoprotein as novel functional ingredient: Mapping of functionality, composition and structure throughout the Quorn fermentation process. *Food Chemistry*, 396, 133736.

Teko, E., Ako, K., Yousefi, A., **Munialo, C. D.**, & Osseyi, E. (2022). Rheological study of cowpea puree 'adowè' and the influence of saliva on the puree viscosity. *International Journal of Food Science & Technology*.

Ako, K., Elmarhoum, S., & **Munialo, C. D.** (2022). The determination of the lower critical concentration temperature and intrinsic viscosity: The syneresis reaction of polymeric gels. *Food Hydrocolloids*, 124, 107346.

Teko, E., Osseyi, E., **Munialo, C. D.**, & Ako, K. (2021). The transitioning feature between uncooked and cooked cowpea seeds studied by the mechanical compression test. *Journal of Food Engineering*, 292, 110368.

Teko, E., Osseyi, E., **Munialo, C.D.**, Ako, K. (2020). The transitioning feature between uncooked and cooked cowpea seeds studied by the mechanical compression test: *Journal of Food Engineering*.

Munialo, C.D., Kontogiorgos, V., Euston, S.R., Nyambayo, I. (2020). Rheological, tribological and sensory attributes of texture-modified foods for dysphagia patients and the elderly: A review: *International Journal of Food Science & Technology* 55: 1862-1871.

Munialo, C.D., Naumovski, N., Sergi, D., Stewart, D., Mellor, D. (2019). Critical evaluation of the extrapolation of data relative to antioxidant function from the laboratory and their implications on food production and human health: a review: *International Journal of Food Science & Technology* 54 (5) 1448-1459.

Munialo, C. D., Mellor, D., and Winnall, L. (2018). Christmas leftovers: how long is it safe to keep them? *The Conversation* <https://theconversation.com/christmas-leftovers-how-long-is-it-safe-to-keep-them-84484>

Munialo, C.D., Euston, S. R., de Jongh, H. H. J. (2017). Protein Gels (Book chapter) in R. Yada (Ed.), *Proteins in Food Proteins* (pp 501 – 517). Woodhead Publishers, Cambridge, United States.

Munialo, C.D., van der Linden, E.; de Jongh, H. H. J. (2016) Activation Energy of the Disruption of Gel Networks In Relation To Elastically Stored Energy in Fine-Stranded Ovalbumin Gels. *Food Hydrocolloids*, 55 pp. 163 - 171.

Pouvreau, L., van Wijlen, E., Klok, J., Urbonaite, V., **Munialo, C.D.**, de Jongh H. H. J. (2016). Water holding as determinant for the elastically stored energy in protein-based gels *Journal of Food Science*, 81(4):982 - 90.

Munialo, C.D., van der Linden, E.; Ako, K.; Nieuwland, M.; van As, H.; de Jongh, H. H. J. (2015). The effect of polysaccharides on the ability of whey protein gels to either store or dissipate energy upon mechanical deformation. *Food Hydrocolloids* 52, 707 - 720.

Munialo, C.D., van der Linden, E., Ako, K., and de Jongh, H. H. J. (2015). Quantitative analysis of the network structure that underlines the transitioning in mechanical responses of pea protein gels. *Food Hydrocolloids* 49, 104 - 117.

Munialo, C.D., Ortega, R. G., van der Linden, E., and de Jongh, H. H. J. (2014). Modification of Ovalbumin with Fructooligosaccharides: Consequences for Network Morphology and Mechanical Deformation Responses. *Langmuir* 30 (46), 14062 - 14072.

Munialo, C.D., Martin, A.H., van der Linden, E., de Jongh, H. H. J (2014). Formation of fibrils from pea protein and subsequent gelation. *Journal of Agricultural and Food Chemistry* 62, 2418 – 2427.

Munialo, C.D., de Jongh, H. H. J., Broersen, K., van der Linden, E., Martin, A.H. (2013). Modulation of the Gelation Efficiency of Fibrillar and Spherical Aggregates by Means of Thiolation. *Journal of Agricultural and Food Chemistry* 61 (47), 11628 - 11635.

Munialo, C.D., van der Linden, E., de Jongh, H. H. J. (2014). The ability to store energy in pea protein gels is set by network dimensions smaller than fifty nanometres. *Food Research International Journal* 64, 482 – 491.

Martin, A. H., Baigts Allende, D., **Munialo, C. D.**, Urbonaite, V., Pouvreau, L., de Jongh, H. H. J. (2014). Modulating Protein Interaction on a Molecular and Microstructural Level for Texture Control in Protein Based Gels. (Book chapter). Gums and Stabilizers for the Food Industry 17: The Changing Face of Food Manufacture: The Role of Hydrocolloids, *The Royal Society of Chemistry*, pp. 64 - 70.