

- **PUBLISHED JOURNALS**

1. **Fagbemi, T.N.** and Oshodi, A.A. (1991): Chemical Composition and Functional Properties of Full-Fat Fluted Pumpkin Seed Flour (*Telfairia occidentalis*), *Nigerian Food Journal* 9: 26 – 32.
2. Oshodi, A.A. and **Fagbemi, T.N.** (1992): Functional Properties of Defatted and Protein Isolate of Fluted Pumpkin Seed Flours, *Ghana Journal of Chemistry* 1 (5): 216 – 226.
3. **Fagbemi, T.N.** and Oshodi, A.A. (1993): Nutritionally Valuable Mineral Composition and Distribution In Tropical Chillies (Pepper) *Ghana Journal of Chemistry* 1 (7): 344 – 348.
4. **Fagbemi, T.N.**, Oshodi, A.A. and Arise B.J. (1994): The Chemical Composition and Functional Properties of Jack Bean Flour (*Carnavalia ensiformis*). Pakistan. *Journal of Scientific and Industrial Research* 37 (8): 345 – 348.
5. **Fagbemi, T.N.** and Adeyemi, I.A. (1996): Quality Evaluation of Graded Mixtures of Maize and Cassava Flours (*Massava*) *Consultation Research Journal*, 1: 18 – 20.
6. **Fagbemi, T.N.** (1998): The Chemical Composition and Functional Properties of Full-Fat Marrow Pumpkin (*Cucurbita pepo*) Seed Flour, *Consultation Research Journal*, 2: 32 – 35.
7. **Fagbemi, T.N.** and Agun, B.J. (1998): The Effect of Storage and Film Packaging on the Nutritional Qualities of Processed Juices (Orange, Pineapple and Mango). *The Journal of Techno Science* 2 (1): 26 – 30.
8. Oshodi, A.A. Ipinmoroti, K.O. and **Fagbemi, T.N.**(1999): Chemical Composition, Amino Acid Analysis and Functional Properties of Bread Nut Flour (*Artocarpus altilis*) *Nahrung/Food* 5, 43: 402 – 405.
9. **Fagbemi, T.N.** (1999): Effect Of Blanching and Ripening on the Functional Properties of Plantain (*Musa A.A.B*) Flour, *Plant Food For Human Nutrition* 54: 161 – 169.
10. **Fagbemi, T.N.** and Olaofe, O. (2000): The Chemical Composition and Functional Properties of Raw and Precooked Taro (*Colocasia esculenta*) and Tannia (*Xanthosoma sagittifolium*) Flours. *Journal of Biological and Physical Sciences* 1: 98 – 103.
11. **Fagbemi, T.N.** and Atum, H. (2001): Physico – Chemical changes and microorganisms involved in the natural fermentation of *Hura crepitans* seeds to produce ‘ogiri’. *Applied Tropical Agriculture* 6, (1): 51-56.
12. Awoniyi, T.A.M., Aletor, V.A. and **Fagbemi, T.N.** (2001): Assessment of Consumer Responses to Meat from Broiler Chickens fed with Diets containing varying levels of Maggot Meal. *Applied Tropical Agriculture* 6, (2): 74 – 78.
13. **Fagbemi, T.N.**, Oshodi, A.A. and Eleyinmi A.F (2002): Effect of replacing Wheat Flour with Graded Mixtures of Cassava Flour/Bovine Plasma Protein Concentrate In Bread Making Nigerian. *Journal of Nutritional Sciences* 23: 43 – 52.

14. Osundahunsi O.F., **Fagbemi, T.N.**, Kesselman E. and Shimoni, E. (2003): Comparison of the physicochemical properties and pasting characteristics of flour and starch from Red and white sweet potato Cultivars. *Journal of Agriculture and Food Chemistry* 51: 2232 – 2236.
15. Aderiye, B.I., **Fagbemi, T.N.** and Ogunjobi A.S. (2003): Effect of Some Chemical Preservatives on the Shelf Life of Cashew Juice during Ambient Storage. *The Journal of Techno Science* 5: 61 – 64.
16. **Fagbemi, T.N.** Oshodi, A.A, and Ipinmoroti, K.O. (2004): Effects of Processing and salts on some functional properties of Cashewnut (*Anacardium occidentale*) Flours. *Journal of Food Agriculture and Environment* 2(2): 121 – 128.
17. **Fagbemi, T.N.**, Oshodi, A.A and Ipinmoroti, K.O. (2005): Processing Effects on some antinutritional factors and invitro multienzyme Protein digestibility (IVPD) of Three Tropical seeds; Breadnut (*Artocarpus altilis*), Cashewnut (*Anarcadium occidentale*) and fluted pumpkin (*Telfairia occidentalis*). *Pakistan Journal of Nutrition* 4(4): 250-256.
18. **Fagbemi, T.N.** (2005): Nutritional changes involved in breadnut (*Artocarpus altilis*) processing. *Applied Tropical Agriculture* 10: 77-85.
19. **Fagbemi, T.N.**, Oshodi, A.A and Ipinmoroti, K.O. (2006): Effects of Processing on the functional properties of full fat and defatted fluted pumpkin (*Telfairia occidentalis*) seed flours. *Journal of Food Technology* (4) 1:70-79.
20. **Fagbemi, T.N.** (2006): Microbiological and Nutritional Changes in Naturally Fermented Cashew nut (*Anacardium occidentale* Linn). *Journal of Applied and Environmental Sciences* 2: 118-123.
21. **Fagbemi, T.N.** (2007): Effects of processing on the nutritional composition of fluted pumpkin (*Telfairia occidentalis*) seed flours. *Nigerian Food Journal* 25 (1): 1-22.
22. **Fagbemi, T.N.**, Eleyinmi A.F and Atum H.N. (2007): Nutritional composition of fermented fluted pumpkin (*Telfairia occidentalis*) seeds for production of 'ogiri', ugu, *Journal of Biological & physical Sciences* (4): 17-24.
23. **Fagbemi, T.N.** (2008): The influence of processing techniques on the energy, ash properties and elemental composition of cashew nut (*Anacardium occidentale* Linn). *Journal of Nutrition and Food Science* 38:136-145.
24. **Fagbemi, T.N.** (2008): Effects of processing on the functional properties of full fat and defatted cashew nut (*Anacardium occidentale*). *Journal Food Science and Technology* 45: 28-35.
25. Fasakin, C.F., **Fagbemi, T.N.** and Osundahunsi, O.F. (2008). Proximate composition, amino acids and functional properties of weaning foods formulated from fermented maize flour (ogi) and white shrimps. *Applied Tropical Agriculture* 13. (1 & 2) 45 – 49.

26. **Fagbemi, T.N.** (2009). Effect of processing on chemical composition of cashew nut (*Anacardium occidentale*). *Journal of Food Science and Technology* 46 (1): 36-40.
27. Ogunbusola E.M., **Fagbemi, T.N.** and Osundahunsi, O.F. (2010). Functional Properties of Full Fat and Defatted *Lagenaria sinceraria* Seed Flours. *Biological and Environmental Science Journal for the Tropics* 7(1): 192 – 196.
28. Ogunbusola E.M., **Fagbemi, T.N.** and Osundahunsi, O.F. (2010). Amino acid composition and protein quality of (*Cucumeropsis manni*) white melon seed flour. *Nigerian Food Journal* 28 (1): 7-13.
29. Ogunbusola E.M., **Fagbemi, T.N.** and Osundahunsi, O. F. (2010) Amino acid composition of *Lagenaria siceraria* seed flour and protein fractions. *Journal of Food Science and Technology* 47(6): 656-661.
30. **Fagbemi, T.N.** (2010). Functional Properties of Underutilized Legumes and Oil Seeds. *Applied Tropical Agriculture* 15: 63 – 67.
31. Adeniyi, A.M., **Fagbemi, T.N.** and Osundahunsi, O.F. (2011). Functional properties and amino acid composition of ogi enriched with full fat cashew nut flour. *Journal of Applied and Environmental Sciences* 6(3): 101-107.
32. Ogunbusola, E.M., **Fagbemi, T.N.** and Osundahunsi, O.F. (2011). Fatty acid composition of *Lagennaria siceraria* seed oils. *Journal of Applied and Environmental Sciences* 6(3): 122-125.
33. Oluwalana, I.B., Oluwamukomi, M.O., **Fagbemi, T.N.** and Oluwafemi, G.I. (2011): Effects of temperature and period of blanching on the pasting and functional properties of plantain (*Musa parasidiaca*) flour. *Journal of Stored Products and Postharvest Research* 2(8): 164-169.
34. Ajibola, C.F., Fashakin, J.B., **Fagbemi, T.N.** and Aluko, R.E. (2011): Effect of peptide size on antioxidant properties of African yam bean (*Sphenostylis stenocarpa*) seed protein hydrolysate fraction. *International Journal of Molecular Sciences* 12: 6685- 6702.
35. **Fagbemi, T.N.**, Osundahunsi, O.F. Oluwalana, I.B. and Adeniyi, A.M. (2011): Nutritional Evaluation of complementary diets prepared from cashew nut flour and some maize varieties. *Applied Tropical Agriculture* 16:
36. Ogunbusola, E.M., **Fagbemi, T.N.** and Osundahunsi O. F. (2011): Antinutritional properties, calcium, zinc and Phytates interrelationships in white melon (*Cucumeropsis manni*) seed flours. *Applied Tropical Agriculture* 16:55-59.
37. Oyeboode, E.T., **Fagbemi, T.N.** Oluwalana, I.B. (2011). Physico-chemical and pasting properties of ccoked cocoyam flour (*Xanthosoma sagittifolium*). *Journal of Sustainable Technology (JoST)* 2(2): 96-99.
38. Oluwalana, I.B., Oluwamukomi, M.O., **Fagbemi, T.N.** and Oluwafemi, G.I. (2011): Microbial and sensory qualities of plantain flour and its reconstituted

dumpling (amala) as influenced by blanching temperatures and duration. *Journal of Sustainable Technology(JoST)* 2(2): 70-73.

39. Ogunbusola, E.M., **Fagbemi, T.N.** and Osundahunsi O. F. (2012): Chemical and Functional properties of full-fat and defatted white melon (*Cucumeropsis manni*) seed flours. *Journal of Food Science and Engineering* 2: 691-696.
40. **Fagbemi, T.N.**, Adeoya, A. S. and Badejo, A. A. (2012). Effect of Sulphiting on the Physical and Functional Properties of Acetylated Cassava (*Manihot esculenta*) Starch. *Food*. 6: 38-43.
41. Ogunbusola, E.M., **Fagbemi, T.N.** and Osundahunsi, O.F. (2012): Invitro digestibility and functional properties of Lagenaria siceraria protein isolates. *Journal of Applied and Environmental Sciences* 7 (1): 1-7.
42. Awe, F.B., **Fagbemi, T. N.**, Ajibola, C. F. and Badejo, A. A. (2012). The antioxidant capacity of beverage blends made from cocoa, zobo and ginger. *World Academy of Science Engineering and Technology* 69: 588-592.
43. Ajibola, C.F. Fashakin, J.B., **Fagbemi, T.N.** and Aluko, R.E. (2013). Renin and angiotensin converting enzyme inhibition with antioxidant properties of African yam bean protein hydrolysate and reverse-phase HPLC-separated peptide fractions. *Food Research International* 52: 437-444.
44. Awe, F.B., **Fagbemi, T. N.**, Ajibola, C. F., Ifesan, B. O. T. and Badejo, A. A. (2013). Antioxidant property of cold and hot water extracts of cocoa, hibiscus flower extracts and ginger beverage blends. *Food Research International* 52: 490-495.
45. Ogunbusola E. M., **Fagbemi, T. N.** and Osundahunsi, O. F. (2013): Production and Evaluation of imitation yoghurt and ice cream using *Lagenaria siceraria* protein isolate. *Journal of Food Chemistry and Nutrition* 1(02): 62-66.
46. Ogunbusola E. M., **Fagbemi, T.N.** and Osundahunsi, O. F. (2013): In-Vitro protein digestibility, amino acid profile, functional properties and utilization of white melon (*Cucumeropsis manni*) protein isolates. *African Journal of Food Science and Technology* 4(7): 153-159.
47. Ijarotimi, O.S., **Fagbemi, T.N.** and Osundahunsi, O.F. (2013): Comparative study of nutritional profiles and phytochemical components of raw, blanched and fermented flour from the leaves of *Moringa oleifera* Lam. *Malaysian Journal of Nutrition*(3): 371-382.
48. Omowaye-Taiwo, O. A., **Fagbemi, T. N.** and Badejo, A. A. (2014): Effects of germination and fermentation on the proximate and functional properties of full-fat and defatted *Cucumeropsis manni* seed flours *Journal of Food Science and Technology* 52(8): 5257-5263.
49. Ogunmodimu, O. O., Ijarotimi, O. S. and **Fagbemi, T. N.** (2015): Evaluation of nutrition properties of high protein- fibre based snack formulated from wheat soybean concentrate and cassava fibre. *Sky Journal of Food Science* 4(3) 30-41.

50. Adeoya, A. S., Badejo, A. A. and **Fagbemi, T. N.** (2015): Effect of Acetylation on the Physical and Functional Properties of Industrial and Laboratory Cassava (*Manihot esculenta* Crantz) Starches. *Advances in Research* 4(3):156-165.
51. Ijarotimi, O. S., **Fagbemi, T. N.** and Osundahunsi (2015): Determination of chemical composition, nutritional quality and anti-diabetic potential of raw, blanched and fermented wonderful kola (*Bucholzia coriacea*) seed flour. *Journal of Human Nutrition and Food Science* 3 (2): 1060
52. Ijarotimi, O. S., **Fagbemi, T. N.** and Osundahunsi, O. F. (2015): Nutrient composition, glyceamic index and anti-diabetic potentials of multi-plant based functional foods in rats. *Journal of Food Pharmaceutical Science* (3): 55 – 63.
53. Girgih A. T., Nwachukwu, D. I., Iwar, M. I., **Fagbemi, T. N.** and Aluko, R. E. (2015): Kinetics of renin and angiotensin converting enzyme inhibition by African giant land snail (*Archachatina marginata*) protein hydrolysates and membrane ultrafiltration peptide fractions. *Austin Journal of Nutrition and Food Sciences* 3(4):1071.
54. Girgih A. T., Nwachukwu, D. I., Hasan, F., Gill, T., **Fagbemi, T. N.** and Aluko, R. E. (2015): Kinetics of the inhibition of renin and angiotensin I-converting enzyme by cod (*Gadus morhua*) protein hydrolysates and their antihypertensive effects in spontaneously hypertensive rats. *Food & Nutrition Research* 59 (1):1-9
55. Lawal, O. Badejo A. A. and **Fagbemi T. N.** (2015): Processing effects on the total carotenoid content and acceptability of products from cultivars of biofortified cassava (*Manihot esculenta* crantz). *Applied Tropical Agriculture* 20(2): 104-109.
56. Idowu, A. O. and **Fagbemi, T. N.** (2015): Physical, physico-chemical and chemical properties of two maize varieties (BR- 9928-DMR-SY and TZL-Comp-4C2). *International Journal of Emerging Technology and Advanced Engineering* 5 (7): 280-286.
57. Oluwafemi, G. I., Seidu, K. T. and **Fagbemi, T. N.** (2016). Chemical composition, functional properties and protein fractionation of edible oyster mushroom *Pleurotus ostreatus*. *Annals Food Science and Technology* **17**: 218 - 223.
58. Ajibola, C.F., Malomo, A. S., **Fagbemi, T.N.** and Aluko, R.E (2016): Polypeptide composition and functional properties of African yam bean seed (*Sphenostylis sternocarpa*) albumin, globulin and protein concentrate. *Food Hydrocolloid* 56:189 – 200.
59. Girgih, A. T., Nwachukwu, D. I., Hasan, F., Gill, T., **Fagbemi, T. N.**, Malomo, S. A., Gill, T. A. and Aluko, R. E (2016). Kinetics of in vitro enzyme inhibition and blood pressure-lowering effects of salmon (*Salmo salar*) protein hydrolysates in spontaneously hypertensive rats. *Journal of Functional Foods* 20: 43-53.
60. Ajibola, C.F., **Fagbemi, T.N.** and Osundahunsi, O.F. (2016): Nutritional quality of weaning foods formulated from maize gruel 'ogi' and crayfish using combined traditional processing technology. *Advances in Research* 6(4): 1-11.
61. Ogundele, O. M., Awolu, O.O., Badejo, A. A., Nwachukwu, I. D. and **Fagbemi, T. N.** (2016): Development of functional beverages from blends of *Hibiscus*

sabdariffa extract and selected fruit juices for optimal antioxidant properties. *Journal of Food Science and Nutrition* 4: 679-685.

62. Akinyede, A. I. Girgih A. T., Osundahunsi, O. F., **Fagbemi, T. N.** and Aluko, R. E. (2016): Effect of membrane processing on amino acid composition and antioxidant properties of marble vine seed (*Dioclea reflexa*) protein hydrolysate. *Journal of Food Processing and Preservation* doi:10.1111/jfpp.12917
63. Famakin, O., Fatoyinbo, A., Ijarotimi, O. S., Badejo, A. A. and Fagbemi, T. N. (2016). Assessment of nutritional quality, glycemic index, antidiabetic and sensory properties of plantain-based functional dough meal. *Journal of Food Science and Technology* 53(11):3865–3875.
64. Akinyede, A.I., **Fagbemi, T.N.**, and Osundahunsi, O.F. (2016): Physicochemical composition and oil characterization of *Dioclea reflexa* and *Monodora myristica* seeds. *Applied Tropical Agriculture* 21 (3): 1-11.
65. Ijarotimi O. S., Egwunyenga R. I. and **Fagbemi T.N.** (2016): Nutrient intakes, anthropometric status and intelligence quotients of Nigerian adolescents in boarding schools: a case study of Akure, Ondo State. *Nigerian Journal of Nutritional Sciences* 37(2): 146-155.
66. Badejo, A. A., Osunlakin, A.P. Famakinwa, A., Idowu, A.O. and **Fagbemi, T.N.** (2017): Analyses of dietary fibre contents, antioxidant composition, functional and pasting properties of plantain and *Moringa oleifera* composite flour blends. *Cogent Food & Agriculture*, 3: 1278871.
67. Ogunbusola, E.M., **Fagbemi, T. N.** and Osundahunsi, O. F. (2017): Fatty acid characterisation, sterol composition and spectroscopic analysis of selected Cucurbitaceae seed oils. *International Food Research Journal* 24(2):696-702.
68. Iyenagbe , D. O., Malomo, S.A., Idowu, A. O, Badejo, A. A., and. **Fagbemi, T. N.**(2017): Effects of thermal processing on the nutrition and functional properties of defatted conophor nut(*Tetracarpidium conophorum*) flour and protein isolates. *Journal of Food Science and Nutrition* 5:1170–1178.
69. Ijarotimi, S. O., Malomo, S.A., **Fagbemi, T.N.**, Osundahunsi, O.F. and Aluko, R.E (2018): Structural and functional properties of *Buchholzia coriacea* seed flour and protein concentrate at different pH and protein concentrations. *Food Hydrocolloid* 74: 275-288.
70. Ajibola, C.F., **Fagbemi, T.N.** and Aluko, R.E (2017): Modulation of the secondary and tertiary structures of African yam bean (*Sphenostylis stenocarpa*) seed globulins, albumins and protein concentrate by pH and NaCl. *Journal of Food Biochemistry*, doi.org/10.1111/jfbc.12321
71. Akinyede, A.I., Malomo, S.A. Osundahunsi, O.F., **Fagbemi, T.N.** and Aluko, R. E. (2017): Polypeptide Profile, Amino Acid Composition and Some Functional Properties of Calabash Nutmeg (*Monodora myristica*) Flour and Protein Products. *Journal of American Oil Chemistry Society*, 94:1361–1371.
72. Omosebi, O. M., Osundahunsi, O.F., **Fagbemi, T.N.** and Aluko, R. E. (2018): Effect of extrusion on protein quality, anti-nutritional factors and digestibility of

complementary diet from quality protein maize and soybean protein concentrate
J Food Biochem. 2018;*e12508*. <https://doi.org/10.1111/jfbc.12508>

73. Odebode, F. D., Ekeleme, O. T., Ijarotimi, S. O., Malomo, S. A. Idowu, A. O., Badejo, A. A., Adebayo, I. A. and **Fagbemi, T. N.** (2017): Nutritional Composition, Antidiabetic and Antilipidemic Potentials of Flour Blends made from Unripe Plantain, Soybean Cake and Rice Bran. *Journal of Food Biochemistry*, doi.org/10.1111/jfbc.12447