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RESEARCH

Interests	Nutrition · Dietetics · Parasitology · Global Health
Areas	Nutrition and Dietetics · Endocrinology, Diabetes and Metabolism · Physiology · Food Science · Public Health, Environmental and Occupational Health · General Health Professions

RESEARCH SUMMARY

54	296	9	8	0.83	8%
Publications	Citations	h-index	i10-index	Field-weighted impact	World top 10%

Counted from the 54 publications listed below, 2013–2026. Field-weighted impact is the mean over the 40 works scored for it; 1.00 is the world average for works of the same field, type and year. 3 of the 40 papers scored for it are among the world's most cited tenth for their field, type and year.

PUBLICATIONS

Journal articles 52

1. Nathaniel A. Commey, Janice O. Anum, Boniface Daayi, Naab Justine T-Baliana Martha, Andrews Baah, **Marina A. Tandoh** (2026). Association Between Hydration Status, Nutrition, and Cognitive Performance in School-Age Children in Kumasi, Ghana: A Cross-Sectional Study. *Health Science Reports*. https://doi.org/10.1002/hsr2.72442
2. Veronica Tawiah Annaful, **Marina Aferiba Tandoh**, Daniel Haik, Isaac Amoah (2026). Dietary diversity and body mass index predict cognitive performance and anaemia risk in Ghanaian adolescent girls. *BMC Nutrition*. https://doi.org/10.1186/s40795-026-01344-x
3. Jonathan Annan-Asare, Charles Apprey, **Marina Aferiba Tandoh**, Benedicta Twum-Dei, Mustapha Immurana, Noble Osei Poku Danzerl (2026). Knowledge, attitude, and perception (KAP) of obesity among middle-aged overweight and obese adults in the Ho Municipality, Ghana: a cross-sectional study. *Discover Social Science and Health*. https://doi.org/10.1007/s44155-026-00439-x
4. Bernard Agyapong Tenkorang, Naab Justine Ti-Baliana Martha, **Marina Aferiba Tandoh** (2026). The Prevalence of Cardiovascular Risk Factors Among Some Selected Workers at a Ghanaian University: A Quantitative Cross-Sectional Study. *Health Science Reports*. https://doi.org/10.1002/hsr2.72670
5. **MA Tandoh**, O Asamoah-Boakye, J Owusu (2025). A Comparison of Three Nutritional Assessment Tools in Predicting Nutritional-Related Clinical Outcomes Among Renal Patients at The Komfo Anokye Teaching Hospital, Ghana. *Journal of Science and Technology*. https://journal.knust.edu.gh/index.php/just/article/view/1782
6. Bertha Sena Odoom, **Marina Aferiba Tandoh**, Andrews Baah (2025). A Cross-Sectional Study of the Association of Neck Circumference and Cardiovascular Risk Among Market Women in Ghana. *Health Science Reports*. https://doi.org/10.1002/hsr2.71141
7. Lucy Naki Abel, **Marina Aferiba Tandoh** (2025). Assessing Preparedness for Nutritional Emergencies in Rural and Urban Healthcare Facilities: A Hospital-Based Cross-Sectional Study. *Health Science Reports*. https://doi.org/10.1002/hsr2.70594
8. Hamdia Ibrahim Seidu, **Marina Aferiba Tandoh**, Isaac Amoah, Judith Odei Owusu-Asante, Redeemer Kofi

Agbolegbe (2025). Assessing the effects of Turkey berry (Solanum torvum) tea consumption on cardiometabolic indices in people living with hypertension. *Discover Food*. https://doi.org/10.1007/s44187-025-00324-7

9. Elizabeth Boatemaa, Christopher Larbie, **Marina A. Tandoh**, Herman Erick Lutterodt (2025). Assessment of the nutritional and phytochemical composition in Beta vulgaris bulb, stalk and leaves powder. *Applied Food Research*. https://doi.org/10.1016/j.afres.2025.101442

10. **Marina A. Tandoh**, Priscilla Owusu, Claire-Rush N. A. Nkrumah, Veronica Tawiah Annaful, Chris Y. Asare, Samuel Selorm Attu (2025). Comparative Analysis of Hydration Status and Microbial Quality of Tap Water Between Urban and Rural Settings in the Ashanti Region of Ghana. *International Journal of Food Science*. https://doi.org/10.1155/ijfo/4773110

11. **Marina Aferiba Tandoh**, Lydia Manu, Odeafo Asamoah-Boakye, Samuel Selorm Attu, Justina Owusu (2025). Comparison of Three Nutritional Assessment Tools in Predicting Nutritional- Related Clinical Outcomes Among Renal Patients at The Komfo Anokye Teaching Hospital, Ghana. *Journal of Science and Technology (Ghana)*. https://doi.org/10.4314/just.v43i2.3

12. Jonathan Awewomom, Theresa Yvonne Arhin, Yaw Doudu Takyi, Agyei Gyasi Yaw, Janet Saaka, Francis Opoku, **Marina Aferiba Tandoh**, Emmanuel Adu Amankwah, Osei Akoto (2025). Exposure and Health Impact Assessment of Essential and Non-essential Elements in Rice Sold on Ghanaian Markets. *Environmental Health Insights*. https://doi.org/10.1177/11786302251350482

13. **MA Tandoh** (2025). Impact of a Garden-Based Nutrition Intervention on Haemoglobin and Growth Outcomes among Adolescents in Selected Urban Schools in Kumasi, Ghana. *Current Developments in Nutrition*. https://cdn.nutrition.org/article/S2475-2991(25)02211-5/fulltext

14. Isaac Amoah, Ransford Opoku Asante, Rose Attakora, Abdallah Zaidan Mohammed, **Marina Aferiba Tandoh**, Charles Diako (2025). Nutrient Content, Functional Properties and Acceptability of Rock Buns Formulated From Freeze-Dried Detroit Dark Red Beetroot Pomace Flour. *International Journal of Food Science*. https://doi.org/10.1155/ijfo/9986191

15. **Marina A Tandoh**, Gabriel Anapey, Irene N Manu, Rita Mintah (2025). Prevalence of Modifiable Risk Factors for Cardiovascular Diseases Among Young Adults at a Ghanaian University. *Current Developments in Nutrition*. https://doi.org/10.1016/j.cdnut.2025.106333

16. Isaac Amoah, Rose Attakora, Michael Arthur, Mauro Lombardo, Emmanuel Ofori Osei, Abdallah Zaidan Mohammed, Parise Adadi, Etornam Kofitsey Adukonu, Deborah Solomon, Rita Ackom, **Marina Aferiba Tandoh** (2025). Sub-Saharan African Oilseeds as Functional Ingredients: Nutritional Profiles, Bioactivities, and Strategies for Enhanced Utilization in Food and Pharmaceutical Systems. *Journal of Food Biochemistry*. https://doi.org/10.1155/jfbc/4087414

17. Seth Ankamah, Christopher Larbie, **Marina Tandoh**, Kate Nana Ama Afram, Godwin Agbeka (2024). Analysing the Composition of Commercial Turmeric Powder: Assessing Contaminants and Its Impacts Curcumin and Water-soluble Vitamins Levels. *European Journal of Nutrition & Food Safety*. https://doi.org/10.9734/ejnfs/2024/v16i51431

18. Rahel Nyarko-Morrison, **Marina Aferiba Tandoh**, Elizabeth Farrah Louis (2024). Assessing Food Insecurity Among Families During the Covid-19 Pandemic in The Oforikrom Municipality, Ashanti Region of Ghana. *Journal of Science and Technology (Ghana)*. https://doi.org/10.4314/just.v42i2.3

19. **Marina A Tandoh**, Abigail A Abrokwah, Isaac Amoah, Samuel S Atsu, Daniel Haik, Eugenia Tawiah (2024). Association Between Body Composition, Anaemia and Cognitive Performance Among Adolescent Girls at Nkawkaw in the Eastern Region of Ghana. *Current Developments in Nutrition*. https://doi.org/10.1016/j.cdnut.2024.102514

20. Coffie Gifty, **Marina Aferiba Tandoh**, Andrews Baah, Harriet Adjei (2024). Association Between Food Insecurity, Body Composition, Anemia and Cognitive Performance Among Students of a Ghanaian University. *Journal of Hunger & Environmental Nutrition*. https://doi.org/10.1080/19320248.2024.2431851

21. Eunice T Otoo, **Marina A Tandoh**, Felix C Mills-Robertson (2024). Effect of Alchornea cordifolia on Glycemic Indices of Varieties of Fufu Among Healthy Subjects. *Current Developments in Nutrition*. https://

doi.org/10.1016/j.cdnut.2024.102076

22. Veronica T Annaful, Isaac Amoah, Samuel S Attu, Daniel Haik, **Marina A Tandoh** (2024). Hair Haematinic Minerals and Their Associations With Anaemia and Cognitive Performance Among Adolescent School Girls at the Mfantseman Municipal of Ghana. *Current Developments in Nutrition*. https://doi.org/10.1016/j.cdnut.2024.102330
23. Yaw Doudu Takyi, Jonathan Awewomom, Samuel Selorm Attu, Osei Akoto, **Marina Aferiba Tandoh** (2024). Health risk assessment and comparative study on heavy metal levels in indigenous cereal-legume blends (CLBs) on Ghanaian markets. *Cogent Food & Agriculture*. https://doi.org/10.1080/23311932.2024.2404690
24. **Marina Aferiba Tandoh**, Winifred Opoku Agyemang, Emmanuella Takyi Brago, Samuel Selorm Attu, Emmanuel Asare Domfeh (2024). Prevalence And Risk Fctors Of Anaemia Among Women Of Reproductive Age In A Ghanaian University. *Journal of Science and Technology (Ghana)*. https://doi.org/10.4314/just.v42i4.8
25. Soma-Mahme Loobod, Emmanuel A Domfeh, **Marina A Tandoh** (2024). Study Protocol: The Impact of an Experiential Garden-Based Nutrition Education Intervention on the Growth and Micronutrient Levels of Adolescents in School. *Current Developments in Nutrition*. https://doi.org/10.1016/j.cdnut.2024.103665
26. Abdulai Baba Seidu, Isaac Amoah, **Marina A Tandoh** (2024). The Impact of SOLANUM torvum (Turkey Berry) Fortified Cookie on Postprandial Glucose Level in People Living With Diabetes. *Current Developments in Nutrition*. https://doi.org/10.1016/j.cdnut.2024.102372
27. **M. A. Tandoh**, F. C. Mills-Robertson, R. A. Annan, M. D. Wilson, A. K. Anderson (2023). A comparison of intervention strategies to improve helminthiasis, nutrition and cognitive status among school-age children in helminth endemic farming and fishing areas in Ghana. *Cogent Food & Agriculture*. https://doi.org/10.1080/23311932.2023.2201032
28. Isaac Amoah, Jesse Charles Cobbinah, Jacqueline Afua Yeboah, Fiifi Amoako Essiam, Jia Jiet Lim, **Marina Aferiba Tandoh**, Elaine Rush (2023). Edible insect powder for enrichment of bakery products– A review of nutritional, physical characteristics and acceptability of bakery products to consumers. *Future Foods*. https://doi.org/10.1016/j.fufo.2023.100251
29. Theresa Yvonne Arhin, Awewomom Jonathan, Francis Opoku, **Marina Aferiba Tandoh**, Emmanuel Adu Amankwah, Osei Akoto (2023). Exposure and health risk assessment of transition metals in rice found on the Ghanaian market. *Environmental Monitoring and Assessment*. https://doi.org/10.1007/s10661-023-11167-z
30. **MA Tandoh**, C Apprey (2023). Food label experiences among tertiary students in the Western North Region of Ghana. *Journal of Science and Technology*. https://journal.knust.edu.gh/index.php/just/article/view/1470
31. **Marina Tandoh**, Lindy Dampare (2023). P28-042-23 The Impact of Nutrition Education on the Nutritional Knowledge and Nutritional Status of Ghanaian Sickle Cell Disease Adults at the Tema General Hospital of Ghana: A Pilot Study. *Current Developments in Nutrition*. https://doi.org/10.1016/j.cdnut.2023.101299
32. Abigail Owusuaa Appiah, **Marina Aferiba Tandoh**, Pepertual Suglo Puotege, Anthony Kwaku Edusei (2023). The Effect of a Turkey Berry (Solanum torvum)-Fortified Biscuit on the Hemoglobin Level and Cognitive Performance of Adolescent Females in the Ahafo Region of Ghana: A Pilot Study. *International Journal of Food Science*. https://doi.org/10.1155/2023/1388782
33. **MA Tandoh**, VT Annaful (2022). Associations Between Dietary Patterns, Nutritional Status and Cognitive Performance of Final Year Undergraduate Students in the Department of Food Science and Technology …. *Journal of Science and Technology*. https://www.ajol.info/index.php/just/article/download/225477/212784
34. Nana Aba Bentum, Prince Annobil, Portia Nkrumah, Chris Asare, Ishmael Quansah, **Marina Tandoh** (2022). Comparing Antioxidant and Antimicrobial Properties of Local and Foreign Honey in Kumasi - Ghana. *Current Developments in Nutrition*. https://doi.org/10.1093/cdn/nzac051.008
35. Sheila Akoto, **Marina Aferiba Tandoh**, Kwabena Nsiah, Odeafo Asamoah-Boakye, Veronica Tawiah Annaful (2022). Lifestyle habits, macronutrient intake, and obesity prevalence among adolescents in rural-

periurban community senior high schools in the Ho municipality of Ghana. *Frontiers in Nutrition*. https://doi.org/10.3389/fnut.2022.955898

36. **Marina Tandoh**, Mary Asamoah (2022). The Magnitude of Hidden Hunger and Cognitive Deficits among Children Living in Orphanages in Kumasi, Ghana. *Advances in Public Health*. https://doi.org/10.1155/2022/9684785
37. Mary Asamoah, **Marina Tandoh** (2022). The Magnitude of Hidden Hunger and Cognitive Deficits of Children Living in Some Selected Orphanages in Kumasi, Ghana During the COVID Pandemic. *The FASEB Journal*. https://doi.org/10.1096/fasebj.2022.36.s1.0r766
38. **Marina Aferiba Tandoh**, Abigail Owusuaa Appiah, Anthony Kwaku Edusei (2021). Prevalence of Anemia and Undernutrition of Adolescent Females in Selected Schools in Ghana. *Journal of Nutrition and Metabolism*. https://doi.org/10.1155/2021/6684839
39. Charles Apprey, Marian Peprah, Reginald Adjetey Annan, **Marina A. Tandoh**, Odeafo Asamoah-Boakye (2020). Borassus aethiopum-Fortified Bread Reduces Metabolic Risk Factors among Cardiovascular Disease Outpatients at 37 Military Hospital, Accra: A Pilot Study. *International Journal of Food Science*. https://doi.org/10.1155/2020/2379061
40. **Marina Aferiba Tandoh**, Felix Charles Mills-Robertson, Michael David Wilson, Alex Kojo Anderson (2019). Nutritional and cognitive deficits of school-age children. *Nutrition & Food Science*. https://doi.org/10.1108/nfs-01-2019-0035
41. E. Ayertey, **M. A. Tandoh**, F. C. Mills-Robertson, D. B. Kumah, C. Larbie, N. P. Aninkorah (2018). Borassus aethiopum Fruit Pulp Extract has Antimicrobial Activity on Selected Clinical Microbial Strains. *Journal of Complementary and Alternative Medical Research*. https://doi.org/10.9734/jocamr/2018/44495
42. **M Tandoh**, F Mills-Robertson (2018). Disparities of sanitary conditions/habits and helminthiasis prevalence between school-age-children living in fishing and farming communities in Ghana: a cross sectional study. *INTERVENTIONS TO IMPROVE NUTRITIONAL STATUS AND COGNITIVE PERFORMANCE OF SCHOOL-AGE CHILDREN LIVING IN HELMINTH-ENDEMIC FARMING AND FISHING COMMUNITIES IN RURAL GHANA*. https://openscholar.uga.edu/record/13319/files/tandoh_marina_a_201908_phd.pdf#page=85
43. Prince CHIKWERE, Kwabena NSIAH, **Marina TANDOH** (2017). Relation of unsupported and unsupervised exercise with anthropometric and biochemical indices among type 2 diabetic patients. *TURKISH JOURNAL OF MEDICAL SCIENCES*. https://doi.org/10.3906/sag-1511-19
44. **MA Tandoh** (2017). State of Hypertension, Diabetes Mellitus and Anemia among Residents of Selected Communities in Ghana. *The FASEB Journal*. https://doi.org/10.1096/fasebj.31.1_supplement.640.22
45. C Larbie, **MA Tandoh** (2016). Anti-diabetic effect of aqueous fruit extract of Borassus aethiopum (Mart.) in alloxan-induced diabetic rats. *International Journal of Phytomedicine*. https://scholar.google.com/scholar?cluster=2397756606429634834&hl=en&oi=scholarr
46. **MA Tandoh** (2016). Early Infant Feeding and Body Composition In Pre-School Children. *International Journal of Pediatrics and Child Health*. http://savvysciencepublishers.com/index.php/ijpch/article/view/191
47. Ambrose Atosona, Christopher Larbie, **Marina Tandoh**, Kwabena Nsiah (2016). Prevalence, Risk Factors and Predictors of Diabetes-related Sexual Dysfunction. *Journal of Advances in Medicine and Medical Research*. https://doi.org/10.9734/bjmmr/2016/28186
48. I Oduro, **MA Tandoh** (2016). The effect of dandelion leaves and roots on blood glucose in type 2 diabetic patients. *Journal of Nutritional Ecology and Food Research*. https://scholar.google.com/scholar?cluster=10218907974937944147&hl=en&oi=scholarr
49. Ishawu Iddrisu, Ibok Oduro, **Marina Aferiba Tandoh**, Reginald Adjetey Annan (2015). Anti-diabetic effect of dandelion leaves and roots in type two diabetic patients. *Nutrition & Food Science*. https://doi.org/10.1108/nfs-01-2015-0001
50. **MA Tandoh** (2015). Helminthiasis burden and nutritional status of non-enrolled school-aged children in irrigated farmimg communities in Bongo District, Ghana. *European Journal of Experimental Biology*. https://

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51. K Nsiah, **MA Tandoh** (2014). The relation of dietary pattern to serum lipid profile and uric acid among type 2 diabetes patients. *Journal of Nutritional Ecology and Food Research*. https://scholar.google.com/scholar?cluster=17785047686530719315&hl=en&oi=scholarr

52. I Oduro, P Twumasi, **MA Tandoh**, G Ankar-Brewoo (2013). Formulation and sensory evaluation of herb tea from Moringa oleifera, Hibiscus sabdariffa and Cymbopogon citratus. *J. Ghana Sci. Assoc*. https://ghanascience.gov.gh/wp-content/uploads/2018/03/6-1.pdf

Conference papers 1

1. **MA Tandoh**, J Owusu, O Asamoah-Boakye (2021). A COMPARISON OF THREE NUTRITIONAL ASSESSMENT TOOLS AMONG RENAL PATIENTS AT THE KOMFO ANOKYE TEACHING HOSPITAL, GHANA. *AMERICAN JOURNAL OF TROPICAL MEDICINE AND HYGIENE*. https://scholar.google.com/scholar?cluster=17520079607264784134&hl=en&oi=scholarr

Reports 1

1. **MA Tandoh** (2019). Interventions to improve nutritional status and cognitive performance of school-age children living in helminth-endemic farming and fishing communities in rural Ghana. *University of Georgia*. https://openscholar.uga.edu/record/13319?v=pdf