Jacob Setorglo

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RESEARCH

Interests: nutrition · public health

Areas: Nutrition and Dietetics · Public Health, Environmental and Occupational Health · General Health Professions · Epidemiology · Hematology · Clinical Psychology

RESEARCH SUMMARY

61	390	10	11	0.53	6%
Publications	Citations	h-index	i10-index	Field-weighted impact	World top 10%

Counted from the 61 publications listed below, 2009–2026. Field-weighted impact is the mean over the 34 works scored for it; 1.00 is the world average for works of the same field, type and year. 2 of the 34 papers scored for it are among the world's most cited tenth for their field, type and year.

POSITIONS

LECTURER
MEDICAL BIOCHENMISTRY, University of Cape Coast CAPE COAT, Cape Coast, Ghana

EDUCATION AND QUALIFICATIONS

PhD
MEDICAL BIOCHEMISTRY, University of Cape Coast Faculty of Education, Cape Coast, Ghana

PUBLICATIONS

Journal articles 46

1. **J Setorglo** (2026). Associations between iron status and psychosocial well-being among pregnant women in Cape Coast, Ghana: a longitudinal study. *Public Health Nutrition*.
2. Rockson Nsiah, Victoria Baidoo, **Jacob Setorglo** (2025). A Qualitative Insight into Pre-Service Teachers' Level of Readiness and Self-Efficacy to Teach Children with Special Educational Needs. *International Journal of Education Culture and Society*. https://doi.org/10.11648/j.ijecs.20251005.17
3. **Jacob Setorglo**, Heckel Abban, Louis Setorglo, Matilda Lenia, Selasie Setorglo, Rachel Makinde, William Owusu (2025). Association Between Trimester-Specific Gestational Weight Gain and Newborn Anthropometric Outcomes at Korle-Bu Teaching Hospital, Accra. *American Journal of Biomedical and Life Sciences*. https://doi.org/10.11648/j.ajbls.20251301.16
4. **Jacob Setorglo**, Rachel Shola Makinde, Selasie Peter Setorglo, Matilda Lenia, Heckel A Amoabeng Abban (2025). The Relationship Between Blood Pressure and Body Composition Among Senior High School Adolescents in Selected Schools in Cape Coast, Ghana. *Current Developments in Nutrition*. https://doi.org/10.1016/j.cdnut.2025.106763
5. Ruth A Pobee, **Jacob Setorglo**, Moses Klevor, Laura E. Murray-Kolb (2024). Associations between iron status and psychosocial well-being among pregnant women in Cape Coast, Ghana: a longitudinal study. *Public Health Nutrition*. https://doi.org/10.1017/s1368980024002088
6. R. Adatsi, F. Pappoe, A.S. Bockarie, L. Derkyi-Kwarteng, P. Nsiah, E.W. Weyori, K. Dankwa, E. Aniakwaa-Bonsu, **J. Setorglo**, S. Acquah (2024). Falciparum malaria is associated with risk markers of type 2 diabetes

mellitus in individuals with or without COVID-19 exposure. *African Journal of Clinical and Experimental Microbiology*. https://doi.org/10.4314/ajcem.v25i1.2

7. **Jacob Setorglo**, Sophia Afful, Matilda Lenia, Selasie Setorglo (2024). Locally Formulated Cereal-Legume Mix Foods With Low Glycemic Index as a Panacea for Type 2 Diabetes Mellitus in Developing Countries. *Current Developments in Nutrition*. https://doi.org/10.1016/j.cdnut.2024.102893
8. Heckel Abban, **Jacob Setorglo**, Christiana Nsiah-Asamoah, Samuel Acquah, Matilda Steiner-Asiedu (2024). The Prevalence and Predictors of MetS Among Commercial Long Distance Bus Drivers (CLDBDs) in Cape Coast, Ghana. *World Journal of Public Health*. https://doi.org/10.11648/j.wjph.20240904.19
9. **Setorglo Jacob**, Lenia Matilda, Nsiah-Asamoah Christiana (2023). Higher amounts of proximate and minerals in composite biscuit made from African locust beans pulp. *African Journal of Food Science*. https://doi.org/10.5897/ajfs2023.2247
10. Ruth Adisetu Pobee, **Jacob Setorglo**, Moses Kwashie Klevor, Laura E. Murray-Kolb (2022). High levels of depressive symptoms and low quality of life are reported during pregnancy in Cape Coast, Ghana; a longitudinal study. *BMC Public Health*. https://doi.org/10.1186/s12889-022-13299-2
11. Abigail Boatemaa Owusu, Alhassan Basour Adam, **Jacob Setorglo**, Michael Tetteh Anim, Leticia Bonsu (2022). Palliative care practices among nurses at Cape Coast Teaching Hospital, Ghana: A cross-sectional study. *International Journal of Africa Nursing Sciences*. https://doi.org/10.1016/j.ijans.2022.100454
12. Christiana Naa Atsreh Nsiah-Asamoah, Deborah Amoasi, **Jacob Setorglo** (2021). Dietary Practices of Health Professionals during Working Hours in a Tertiary Referral Teaching Hospital In Ghana: A Neglected Vulnerable Group. *European Journal of Nutrition & Food Safety*. https://doi.org/10.9734/ejnfs/2021/v13i530422
13. Alice Koryo-Dabrah, RS Ansong, **J Setorglo**, M Steiner-Asiedu (2021). Food and nutrition security situation in Ghana: Nutrition implications for national development. *African Journal of Food Agriculture Nutrition and Development*. https://doi.org/10.18697/ajfand.100.20160
14. Philip Narteh Gorleku, Klenam Dzefi-Tettey, Emmanuel Kobina Mesi Edzie, **Jacob Setorglo**, Albert Dayor Piersson, Ishmael Nii Ofori, Isaac Frimpong Brobbey, Emmanuel Worlali Fiagbedzi, Edmund Kwadwo Kwakye Brakohiapa (2021). The degree and appropriateness of computed tomography utilization for diagnosis of headaches in Ghana. *Heliyon*. https://doi.org/10.1016/j.heliyon.2021.e06722
15. Ruth A. Pobee, **Jacob Setorglo**, Moses Klevor, Laura E. Murray-Kolb (2021). The prevalence of anemia and iron deficiency among pregnant Ghanaian women, a longitudinal study. *PLoS ONE*. https://doi.org/10.1371/journal.pone.0248754
16. Philip Narteh Gorleku, **Jacob Setorglo**, Emmanuel Kobina Edzie, Albert Dayor Piersson, Ishmael Nii Ofori, James William Ampofo, Savanna Nyarko (2020). Assessment of Effectiveness of Problem Based Learning Pedagogical Approach in Radiography Education in a Tertiary Institution in Ghana. *Universal Journal of Educational Research*. https://doi.org/10.13189/ujer.2020.080346
17. Philip N. Gorleku, Emmanuel K. Edzie, Klenam Dzefi-Tettey, **Jacob Setorglo**, Albert D. Piersson, Stephen Ocansey, Enyam K.A. Morny, Celso D.G. Armah (2020). Computed tomography estimation of the prevalence of neuro-ophthalmic injuries in head trauma patients seen in a tertiary health facility in Ghana. *Heliyon*. https://doi.org/10.1016/j.heliyon.2020.e04200
18. Frederick Sarpong, **Jacob Setorglo**, James Owusu-Kwarteng, Bashiru Adams, Leticia Peace Amenorfe (2020). Guar gum and sodium chloride coating delays chlorophyll degradation in okra during storage at 25oC. *International Journal of Vegetable Science*. https://doi.org/10.1080/19315260.2020.1759173
19. **Jacob Setorglo**, Philip Narteh Gorleku, Frederick Sarpong, Christiana Buxton, Francisca Naana Arthur, Bismark Anin Agyei, Matilda Steiner-Asiedu (2020). Knowledge and Practice of Iodized Salt and Iodine Deficiency Disorders among Men in Nungua, Ghana. *Universal Journal of Public Health*. https://doi.org/10.13189/ujph.2020.080301
20. **Jacob Setorglo**, Philip Narteh Gorleku, Kyei Roselyn, Kingsley Kwadwo Asare Pereko (2020). Perception of Body Image and Dietary Habit Among Adults Aged 20–45 Years at Sunyani Metropolis. *Current Developments in Nutrition*. https://doi.org/10.1093/cdn/nzaa043_128
21. **J Setorglo**, PN Gorleku, G Egbi (2020). The prevalence and predictors of undiagnosed hypertension

among commercial long-distance bus drivers (CLDBs) in Cape Coast, Ghana. *J Public Health Policy Plann*. https://www.academia.edu/download/77252419/the-prevalence-and-predictors-of-undiagnosed-hypertension-among-commercial-longdistance-bus-drivers-cldbs-in-cape-coast-.pdf

22. **Jacob Setorglo**, Philip Narteh Gorleku, Bright Setorglo, Mirabel Asomboya, Francisca Naana Arthur, Moses K. Klevor (2020). Timely Initiation and Exclusive Breastfeeding Rates at Adentan Municipality in Ghana. *Food Science and Technology*. https://doi.org/10.13189/fst.2020.080101

23. Philip N. Gorleku, **Jacob Setorglo**, Ishmael Ofori, Emmanuel K. M. Edzie, Klenam Dzefi-Tettey, Albert D. Piersson, Chinyerenwa Okara, Daniel Ackom, Enoch A. Adu-Gyamfi (2020). Towards the scale and menace of unregulated sonography practice in Ghana. *Journal of Global Health Reports*. https://doi.org/10.29392/001c.17604

24. JK Semetey, EKM Edzie, **J Setorglo** (2019). Audit of MRI protocol, referral pattern and appropriateness of clinical indications for lumbar spine MRI use for adult low back pain: a single-centre study in Ghana. *Journal of Public Health Policy and Planning*. https://ir.ucc.edu.gh/server/api/core/bitstreams/aba7d740-0e99-42ae-8f4c-f0730cbc8aed/content

25. Philip Gorleku Narteh, **Jacob Setorglo**, Emmanuel Kobina Mesi Edzie, Oxana Gorleku (2019). Awareness of Oral Health among University of Cape Coast Primary School Pupils. *INTERNATIONAL JOURNAL OF MEDICAL SCIENCE AND DENTAL RESEARCH*. https://ir.ucc.edu.gh/server/api/core/bitstreams/792a9235-591d-4bbb-a63d-5b56bd4704f1/content

26. Philip N. Gorleku, **Jacob Setorglo**, Oxana Gorleku, Klenam Dzefi-Tettey, Emmanuel K. Edzie, Albert D. Piersson, Richard Antwi (2019). Effect of Eating Habits on Oral Health among Junior High Students in the Cape Coast Metropolis. *International Journal of Innovative Research in Medical Science*. https://doi.org/10.23958/ijirms/vol04-i12/798

27. **J Setorglo** (2019). Hypertension prevalence and predictors among taxi drivers at Abura in Cape Coast metropolis of Ghana. *J Public Health Policy Plann 2019; 3 (3): 33-39. 34 J Public Health Policy Plann 2019 Volume 3 Issue*.

28. Ruth Pobee, **Jacob Setorglo**, Moses Klevor, Laura Murray-Kolb (2019). Is Iron Status Related to Psychosocial Wellbeing During Pregnancy? (P10-112-19). *Current Developments in Nutrition*. https://doi.org/10.1093/cdn/nzz034.p10-112-19

29. Philip Narteh Gorleku, **Jacob Setorglo**, Sebastian Ken Amoah, Albert Piersson, Wasiya Mutawakilu (2019). Knowledge, Risk Factors and Perceived Attitude towards Cervical Cancer among Female Tertiary Students in the Tano-North Municipality in Ghana. *Urban Studies and Public Administration*. https://doi.org/10.22158/uspa.v2n4p205

30. **Jacob Setorglo**, Moses K. Klevor, Philip Narteh Gorleku, Mirabel Asomboya, Kingsley Kwadwo AsarePereko, Austin Gideon Adobasom-Anane, Matilda Steiner-Asiedu (2019). Mothers/Caregivers Age and Family Structure Predicted Knowledge on Recommended Nutrition Practices for Children under 5 Years. *Research in Health Science*. https://doi.org/10.22158/rhs.v4n4p394

31. Yvonne Ayerki Nartey, Mawuena Asem, Adwoa Agyei-Nkansah, Yaw Asante Awuku, **Jacob Setorglo**, Amoako Duah, Sally Bampoh, Joshua Ayawin, Shadrack Osei Asibey, Weimin Ye, Mary Yeboah Afihene, Lewis Roberts, Amelie Plymoth (2019). Nutritional management of cirrhosis patients: A qualitative study exploring perceptions of patients and health workers in Ghana. *Clinical Nutrition ESPEN*. https://doi.org/10.1016/j.clnesp.2019.09.010

32. Christiana Nsiah-Asamoah, **Jacob Setorglo**, John Bosco Mie (2017). Nutritional Counseling for Hypertensive Patients: Have Final-Year Nursing Students Learnt Enough to Be Able to Offer Advice to Such Patients? *Journal of Biomedical Education*. https://doi.org/10.1155/2017/6865704

33. **Jacob Setorglo**, Kofi Awusabo-Asare, Kingsley Kwadwo Asare Pereko, Moses Kwashie Klevor, Matilda Steiner-Asiedu (2017). Nutritional Status of Illegal Drug Users in the Greater Accra Region of Ghana. *The FASEB Journal*. https://doi.org/10.1096/fasebj.31.1_supplement.lb447

34. Isaac Agbemafle, M Steiner - Asiedu, FK Saalia, **J Setorglo**, J Chen, RD Philips (2016). Anaemia prevalence and nutrient intake among women in peri-urban settlements in Accra, Ghana. *African Journal of Food Agriculture Nutrition and Development*. https://doi.org/10.18697/ajfand.76.15550

35. **JACOB SETORGLO** (2016). Association of dietary factors with severity of coronary artery disease. *Clinical nutrition ESPEN*. https://www.sciencedirect.com/science/article/pii/S2405457716302364

36. **Jacob Yaw Setorglo**, Cyril Gavor-Kwashie, Kingsley Kwadwo Asare Pereko, Moses Kwashie Klevor, Matilda Steiner-Asiedu (2016). Nutrient adequacy among illegal drug users in the Greater Accra Region of Ghana. *The FASEB Journal*. https://doi.org/10.1096/fasebj.30.1_supplement.1149.13

37. **Jacob Setorglo** (2016). Planning of Nutrition Programmes. *Community Nutrition for Developing Countries*. https://books.google.com/books?hl=en&lr=&id=IULcCwAAQBAJ&oi=fnd&pg=PA311&dq=info:yLMuJQzhFhkJ:scholar.google.com&ots=29D8j2zQTU&sig=5tYqPo9w_o7jMSF5fDpp3J6lw9o

38. Godfred Egbi, Matilda Steiner-Asiedu, Faribu Saalia Kwesi, Irene Ayi, Winfred Ofosu, **Jacob Setorglo**, Seth Selorm Klobodu, Margaret Armar-Klemesu (2014). Anaemia among school children older than five years in the Volta Region of Ghana. *PubMed*. https://doi.org/10.11694/pamj.supp.2014.17.1.3205

39. **J Setorglo** (2014). Carotenoids content of Corchorus olitorius and Solanum macrocarpon-commonly used Ghanaian vegetables. *International Food Research Journal (Malaysia)*. https://search.proquest.com/openview/678c7fd65bbbcd8a8bca1d86369d658b/1?pq-origsite=gscholar&cbl=816390

40. GE Otoo, **J Setorglo** (2013). KNOWLEDGE AND PERCEPTION AS DETERMINANTS OF OBESITY IN PERI-URBAN AND URBAN DISTRICTS OF GHANA. *Journal of Community Nutrition & Health*. https://search.proquest.com/openview/557b04199fb5b008660787bd0ac2f1c3/1?pq-origsite=gscholar&cbl=2030321

41. **Jacob Setorglo** (2012). Determinants of menopausal symptoms among Ghanaian women. *Current Research Journal of Biological Sciences*. https://www.airitilibrary.com/Article/Detail/20410778-201207-201508180048-201508180048-507-512

42. Kingsley KA Pereko, **Jacob Setorglo**, William B Owusu, Joyce M Tiweh, Emmanuel K Achampong (2012). Overnutrition and associated factors among adults aged 20 years and above in fishing communities in the urban Cape Coast Metropolis, Ghana. *Public Health Nutrition*. https://doi.org/10.1017/s1368980012002698

43. **J Setorglo** (2012). The impact of irrigation on the nutritional status of children in the Sissala West District of Ghana. *Current Research Journal of Social Sciences*. https://www.airitilibrary.com/Article/Detail/20413246-201203-201512250020-201512250020-86-92

44. **J Setorglo** (2011). Hand washing practices among school children in Ghana. *Current Research Journal of social sciences*. https://www.airitilibrary.com/Article/Detail/20413246-201107-201512250016-201512250016-293-300

45. S Acquah, JN Boampong, EK Achampong, **J Setorglo**, D Obiri-Yeboah (2011). Lipid and lipoprotein levels in type 2 diabetes patients attending the Central Regional Hospital in the Cape Coast Metropolis of Ghana. *International Journal of Health Research*. https://www.ajol.info/index.php/ijhr/article/view/73865

46. **J Setorglo** (2009). Anthropometric features of pupils provided with meals under the nepad school feeding programme: p45. *European Journal of Clinical Nutrition*. https://scholar.google.com/scholar?cluster=4669218570875112012&hl=en&oi=scholarr

Book chapters 6

1. **J Setorglo**, Kingsley K Asare Pereko (2024). Achieving success in community-based nutrition programmes. *Community Nutrition for Developing Countries*. https://doi.org/10.15215/aupress/9781927356111.022

2. **Jacob Setorglo** (2024). Nutrition Surveillance. *Community Nutrition for Developing Countries*. https://doi.org/10.15215/aupress/9781927356111.026

3. **Jacob Setorglo** (2024). The Problem of Misleading and Unscientific Information Regarding Nutrition. *Community Nutrition for Developing Countries*. https://doi.org/10.15215/aupress/9781927356111.031

4. **Jacob Setorglo** (2024). The development of government policies on food and nutrition. *Community Nutrition for Developing Countries*. https://doi.org/10.15215/aupress/9781927356111.025

5. Kingsley Kwadwo Asare Pereko, Enock Dugbatey Mensah, Victoria Akuorkor Acquaye, Christiana Nsiah-Asamoah, Flora Chadare, Freda Dzifa Intiful, **Jacob Setorglo**, Nancy Innocentia Ebu, Alfred Dickson Dai-Kosi (2021). The role of nutrition in respiratory disease and COVID-19 management. *Elsevier eBooks*.

https://doi.org/10.1016/b978-0-12-824289-6.00011-8

6. Kingsley Asare Kwadwo Pereko, **Jacob Setorglo**, Matilda Steiner-Asiedu, Joyce Bayebanona Maaweh Tiweh (2018). Nutrition and Lifestyle Modifications in the Prevention and Treatment of Non-Alcoholic Fatty Liver Disease. *InTech eBooks*. https://doi.org/10.5772/intechopen.71368

Conference papers 8

1. **Jacob Setorglo**, Philip Narteh Gorleku (2023). Microbial loads in foods served and sold in Senior High Schools in Central Region, Cape Coast. *ANNALS OF NUTRITION AND METABOLISM*. https://scholar.google.com/scholar?cluster=11688710966924322590&hl=en&oi=scholarr
2. Moses Kwashie Klevor, **Jacob Setorglo**, Kingsley Pereko (2017). INFANT FEEDING PRACTICES AMONG MOTHERS WITH CHILDREN 6 TO 24 MONTHS OF AGE IN THE ADENTAN MUNICIPALITY OF THE GREATER ACCRA REGION, GHANA. *ANNALS OF NUTRITION AND METABOLISM*. https://scholar.google.com/scholar?cluster=7829965293838229611&hl=en&oi=scholarr
3. **J Setorglo** (2013). ANEMIA PREVALENCE AMONG PREGNANT WOMEN RECEIVING CARE AT A HOSPITAL IN GHANA. *ANNALS OF NUTRITION AND METABOLISM*. https://scholar.google.com/scholar?cluster=5073373418910064271&hl=en&oi=scholarr
4. **J Setorglo**, F Saalia (2013). ASSESSMENT OF THE DIETARY INTAKE OF WOMEN OF REPRODUCTIVE AGE IN THE GA EAST DISTRICT, ACCRA-GHANA. *ANNALS OF NUTRITION AND METABOLISM*. https://scholar.google.com/scholar?cluster=4984957763485165191&hl=en&oi=scholarr
5. **J Setorglo** (2013). HAEMOGLOBIN, SERUM FERRITIN AND C-REACTIVE PROTEIN LEVELS AMONG WOMEN IN PERI-URBAN SETTLEMENTS IN GHANA. *ANNALS OF NUTRITION AND METABOLISM*. https://scholar.google.com/scholar?cluster=6302968538272767 17&hl=en&oi=scholarr
6. G Egbi, F Saalia, I Ayi, **J Setorglo** (2013). IRON STORES AND ANAEMIA PREVALENCE AMONG SCHOOL CHILDREN FED COWPEA-BASED FOOD PLUS FISHMEAL WITH VITAMINC-RICH DRINK. *ANNALS OF NUTRITION AND METABOLISM*. https://scholar.google.com/scholar?cluster=12324801222371866877&hl=en&oi=scholarr
7. **J Setorglo** (2013). PERCEPTIONS OF FIRST YEAR STUDENTS ON FRUIT INTAKE AND EXERCISE HABITS. *ANNALS OF NUTRITION AND METABOLISM*. https://scholar.google.com/scholar?cluster=16403404987197454511&hl=en&oi=scholarr
8. **J Setorglo** (2013). SNACKING HABITS AMONG MENOPAUSAL WOMEN. *ANNALS OF NUTRITION AND METABOLISM*. https://scholar.google.com/scholar?cluster=12497725893789363349&hl=en&oi=scholarr

Theses 1

1. **Jacob Setorglo** (2016). Nutritional Status of Illegal Drug Users in Greater Accra. *University of Cape Coast*. https://ir.ucc.edu.gh/items/6674bfc4-f7f0-4292-b360-194352ce7e95