Dr Salifu Seidu-Larry

Senior Lecturer · Biochemistry
University of Cape Coast

Homepage directory.ucc.edu.gh/p/salifu-seidu-larry · Google Scholar scholar.google.com/citations?user=En_RCMMAAAAJ&hl=en · Profile scholar.ucc.edu.gh/staff/6e8e1388-3592-491b-bc5b-aed0a7014b83

RESEARCH

Interests	Organic and Bioorganic Synthesis · Medicinal Chemistry and Drug Refine and Discovery. Purification
Areas	Plant Science · Nutrition and Dietetics · Food Science · Molecular Biology · Pharmacology · Analytical Chemistry

RESEARCH SUMMARY

23	746	10	10	2.43	25%
Publications	Citations	h-index	i10-index	Field-weighted impact	World top 10%

Counted from the 23 publications listed below, 2009–2026. Field-weighted impact is the mean over the 12 works scored for it; 1.00 is the world average for works of the same field, type and year. 3 of the 12 papers scored for it are among the world's most cited tenth for their field, type and year.

PUBLICATIONS

Journal articles 21

1. Emmanuel Ogyiri Adu, Nazir Kizzie-Hayford, Rosemond Godbless Dadzie, **Salifu Seidu-Larry**, Vivianne Geraldo, Godfred Inkoom, Aaron Tettey Asare, Jerry Ampofo-Asiama (2026). Influence of harvest time and cultivar type on the β-carotene content and quality of biofortified cassava in Ghana. *International Anatolian Agriculture, Food, Environment and Biology Congress*. http://www.targid.net/index.php/TURSTEP/article/view/881
2. Gifty Serwaa Otoo, Nazir Kizzie-Hayford, Rosemond Godbless Dadzie, **Salifu Seidu-Larry**, Claudia Asantewaa Gyimah, Vivianne Geraldo, Sandra Ama Kaburi, Francis Padi Lamptey, Isaaca Adade, Jerry Ampofo-Asiama (2026). Physicochemical, Functional, Sensory Properties and Willingness to Consume Porridge Made From Composite Flours of Maize, Soybean, and Ripe Plantain. *Food Science & Nutrition*. https://doi.org/10.1002/fsn3.71585
3. Jerry Ampofo-Asiama, Claudia Asantewaa Gyimah, Vivianne Geraldo, Rosemond Godbless Dadzie, **Salifu Seidu-Larry**, Emmanuella Brown, Emmanuel Azedaan Ayobe, Ernest Silvanus Dornor Asamani, Nazir Kizzie-Hayford (2025). Assessment of consumer willingness to consume artificially sweetened Roselle beverage. *Food and Humanity*. https://doi.org/10.1016/j.foohum.2025.100740
4. Nazir Kizzie-Hayford, Jerry Ampofo-Asiama, Rosemond Godbless Dadzie, **Salifu Seidu-Larry**, Vivianne Geraldo, Claudia Asantewaa Gyimah, Baffour Kyei-Asante, Godfred Inkoom, Bernice Hayford, Christiana Odumah Hood, Jesse Adu Kwasi Baidoo, Aaron Tettey Asare (2025). Effects of Sprouting and Fermentation on the Physicochemical Properties and Nutritional Composition of Cowpea Flour, and Consumer Acceptability of Composite Doughnuts Made Thereof. *Legume Science*. https://doi.org/10.1002/leg3.70045
5. Rosemond Godbless Dadzie, Jerry Ampofo-Asiama, Nazir Kizzie-Hayford, Gifty Serwaa Otoo, Isaaca Adade, **Salifu Seidu-Larry**, Sandra Voryehor, Jesse Baidooh, Emmanuel Azedaan Ayobe, Moro Shaibu Alima (2025). Optimization and Determination of the Physicochemical Properties and Consumer Acceptability of Gluten-Free Noodles Made From Cassava–Bambara Groundnut Composite Flour. *Journal of Food Quality*. https://doi.org/10.1155/jfq/5582669
6. Samuel Bridge Nkansah, Nazir Kizzie-Hayford, Vivianne Geraldo, Selorm Omega, **Salifu Seidu-Larry**, Isaac

Okyere, Jerry Ampofo-Asiama (2025). The Effects of Oven Type on the Quality of Smoked Fish: Comparison Between the Use of the Chorkor and Ahotor Ovens in Ghana. *Journal of Aquatic Food Product Technology*. https://doi.org/10.1080/10498850.2025.2465633

7. MK Miyittah, M Kwadzo, **S Seidu-Larry** (2024). Assessment of pesticide exposure risks among cocoa farmers in Western region of Ghana. *International Journal of Pest Management*.
8. Gifty Serwaa Otoo, Ernest Ekow Abano, Robert Sarpong Amoah, Felix Edufia Agblemanyo, Rosemond Godbless Dadzie, Nazir Kizzie-Hayford, **Salifu Seidu-Larry**, Jerry Ampofo-Asiama (2024). Enhancing Protein and Vitamin A Intake Through the Addition of Bambara Groundnut and Ripe Plantain to Maize Porridge. *Legume Science*. https://doi.org/10.1002/leg3.234
9. Vivianne Geraldo, Jerry Ampofo-Asiama, Cynthia A. Adinortey, Isaac Okyere, Samuel Kofi Tulashie, Alexander Tetteh Kwasi Nuer, Samuel Bridge Nkansah, Selorm Omega, **Salifu Seidu-Larry**, Nazir Kizzie-Hayford (2024). Implementation of good manufacturing practices (GMP) to improve the quality of smoked fish (Scomber colias). *Heliyon*. https://doi.org/10.1016/j.heliyon.2024.e27401
10. Nazir Kizzie-Hayford, **Salifu Seidu-Larry**, Shilla Owusu-Ansah, Bright Quaye, Jerry Ampofo-Asiama (2024). Influence of Sweeteners on the Phytochemical and Physicochemical Quality and Consumer Acceptability of Roselle Beverage. *Journal of Food Processing and Preservation*. https://doi.org/10.1155/2024/6669374
11. ATK Nuer, S Omega, N Kizze-Hayford, Jerry Ampofo-Asiama, **S Seidu-Larry** (2024). Socio-Economic Activities and the Sustainability of Fish Smoking in Small Communities: Insights from the Central Region of Ghana. *International Journal of Rural Development Studies*. https://www.kadint.net/journals_n/1739533610.pdf
12. Michael K. Miyittah, Boatemaa Ansah, Moses Kwadzo, **Salifu Seidu-Larry**, Richard K. Kosivi (2022). Assessment of pesticide exposure risks among cocoa farmers in Western region of Ghana. *International Journal of Pest Management*. https://doi.org/10.1080/09670874.2022.2084175
13. Jacinta Abudu, Jerry Ampofo-Asiama, Nazir Kizzie-Hayford, Edward Ken Essuman, **Salifu Seidu-Larry**, Rosemond Godbless Dadzie (2022). Relevance of Food Labels among Selected Students at the University of Cape Coast, Ghana. *European Journal of Nutrition & Food Safety*. https://doi.org/10.9734/ejnfs/2022/v14i930537
14. Alexander Weremfo, Samuel Abassah-Oppong, Felix Adulley, Kwabena Dabie, **Salifu Seidu-Larry** (2022). Response surface methodology as a tool to optimize the extraction of bioactive compounds from plant sources. *Journal of the Science of Food and Agriculture*. https://doi.org/10.1002/jsfa.12121
15. **Salifu Seidu-Larry** (2017). Bioconjugation of small molecules to RNA impedes its recognition by Toll-Like receptor 7. *Frontiers in immunology*. https://doi.org/10.3389/fimmu.2017.00312
16. **Salifu Seidu-Larry** (2012). A modified guanosine phosphoramidite for click functionalization of RNA on the sugar edge. *Chemical Communications*. https://pubs.rsc.org/cc/article-abstract/48/89/11014/361931
17. **Salifu Seidu-Larry** (2011). A multifunctional bioconjugate module for versatile photoaffinity labeling and click chemistry of RNA. *Nucleic acids research*. https://academic.oup.com/nar/article-abstract/39/16/7348/2411860
18. **Salifu Seidu-Larry** (2011). Single-molecule FRET reveals a cooperative effect of two methyl group modifications in the folding of human mitochondrial tRNALys. *Chemistry & biology*. https://www.cell.com/article/S1074-5521(11)00173-6/fulltext
19. **Salifu Seidu-Larry** (2011). Single-molecule FRET study of RNA free energy landscape: cooperative effects of nucleotide modifications and cations. *European biophysics journal with biophysics letters*. https://scholar.google.com/scholar?cluster=2558263001727777446&hl=en&oi=scholarr
20. **Salifu Seidu-Larry** (2009). DNA and RNA modification enzymes. *Austin, TX: Landes Bioscience.[Google Scholar]*.
21. **Salifu Seidu-Larry** (2009). Function of modified nucleosides in RNA stabilization. *Structure, Mechanism, Functions, Cellular Interactions and Evolution*. https://www.academia.edu/download/32915588/DNA_and_RNA_Modification_Enzymes.pdf#page=579

Book chapters 1

1. Yuri Motorin, **Salifu Seidu-Larry**, Mark Helm (2016). DNA and RNA Pyrimidine Nucleobase Alkylation at the Carbon-5 Position. *Advances in experimental medicine and biology*. https://doi.org/10.1007/978-3-319-43624-1_2

Reports 1

1. **Salifu Seidu-Larry** (2009). DNA and RNA modification enzymes: structure, mechanism, function and evolution. *Crc Press*. https://books.google.com/books?hl=en&lr=&id=6iZiDwAAQBAJ&oi=fnd&pg=PP1&dq=info:CYliNUd9G_IJ:scholar.google.com&ots=o7jfgOooBC&sig=1ahxMt_uGrWqvqJql8m4d-EpM8c