Prof. Martin Bosompem

Associate Professor · Department of Agricultural Economics and Extension
University of Cape Coast

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PROFILE

Prof. Martin Bosompem of Agricultural Innovations and Development at Professor in the University of Cape Coast with over 18 years of experience in Agricultural Extension, Entrepreneurship, and Community Development research. He holds a Doctor of Philosophy in Agricultural Extension in the University of Cape Coast, Ghana, and completed an Exchange programme in Agribusiness in the University of Guelph, Canada. He is currently the Head of Department and the Coordinator of The Sasakawa Africa Fund for Extension Education (SAFE) Unit.

He teaches at both undergraduate and graduate levels, including the following courses: Research Methods and Statistics; Entrepreneurship; Gender, Youth and Leadership issues in Extension; Agribusiness Management; ICT and Agriculture; Management of Extension Organisations; and Project Design, Implementation, Monitoring and Evaluation for NGOs.

His research interest includes ICT and Agriculture, Precision Agricultural innovations and Adoption and Education, Climate Change and Sustainable Agricultural Development, Livelihood security and Cocoa innovations for sustainable Development, Micro-Financing for Agribusiness and Gender and Youth issues in Entrepreneurship and Agriculture. He is Competent in the use of the following computer Programmes for Data analysis and report writing: SPSS, SAS, Minitab, STATA, MPLUS and Microsoft word, PowerPoint, Excel, and Publisher; For more information..

UCC Blog: https://directory.ucc.edu.gh/p/martin-bosompem

Google scholar: https://scholar.google.com/citations?user=9ibkWNsAAAAJ&hl=en

Research Gate : https://www.researchgate.net/profile/Martin_Bosompem

Academia.edu: https://keb.academia.edu/MartinBosompem

AREAS OF INTEREST

Agricultural Extension and Community Development

ICT & Precision Agriculture Innovations and Adoption

Entrepreneurship and Agribusiness Management

Cocoa Innovations for Sustainable Development

Gender, Youth issues and Agriculture

RESEARCH

Interests	Agricultural Extension and Community Development · Agribusiness and Entrepreneurship · ICT and · ICT & Precision Agriculture Innovations and Adoption · Entrepreneurship and Agribusiness Management
Areas	General Agricultural and Biological Sciences · Plant Science · Economics and Econometrics · Animal Science and Zoology · Ecology, Evolution, Behavior and Systematics · Gender Studies

RESEARCH SUMMARY

42	359	11	14	1.43	24%
Publications	Citations	h-index	i10-index	Field-weighted impact	World top 10%

Counted from the 42 publications listed below, 2006–2026. Field-weighted impact is the mean over the 17 works scored for it; 1.00 is the world average for works of the same field, type and year. 4 of the 17 papers scored for it are among the world's most cited tenth for their field, type and year.

POSITIONS

Professor 2025–present
Agricultural Economics and Extension, University of Cape Coast, Cape Coast, Ghana

Associate Professor 2020–2025
Agricultural Economics and Extension, University Of Cape Coast, Cape Coast, Ghana

Senior Lecturer 2013–2020
Department of Agricultural Economics and Extension, University of Cape Coast School of Agriculture, Cape Coast, Ghana

Lecturer 2008–2013
Department of Agricultural Economics and Extension, University of Cape Coast School of Agriculture, Cape Coast, Ghana

EDUCATION AND QUALIFICATIONS

Ph.D Agricultural Extension 2012–2016
Agricultural Economics and Extension, University of Cape Coast, Cape Coast, Ghana

Master of Philosophy (Agricultural Extension). 2004–2006
Department of Agricultural Economics and Extension, University of Cape Coast, Cape Coast, Ghana

Bachelor of Science (Hons.) Agriculture. 1998–2002
University of Cape Coast School of Agriculture, Cape Coast, Ghana

DISTINCTIONS, MEMBERSHIPS AND SERVICE

ID: ISPA-00163 2021–present
The African Association of Precision Agriculture, Benguérir, Morocco

Country Representative - Membership ID: ISPA-00017 2010–present
International Society of Precision Agriculture, Monticello, United States

Visiting Scholar 2010
Department of Food, Agricultural and Resource Economics (FARE), University of Guelph, Guelph, Canada

PUBLICATIONS

Journal articles 39

1. **M. Bosompem**, FV Abubakari (2026). An Empirical Picture of the Anchor Borrowers' Programme Among Smallholder Farmers in South-East, Nigeria. *Agro-Science Journal of Tropical Agriculture, Food, Environment and Extension*. https://www.ajol.info/index.php/as/article/view/316865
2. Bombason Kweku Tuoho, Samuel Kwesi Ndzebah Dadzie, Julius Kofi Hagan, **Martin Bosompem**, Robert Aidoo, Wisdom Makafui Tsetse, Isaac Kwasi Asante (2026). Drivers of agricultural students' career choices in the broiler value chain in Ghana. *Discover Agriculture*. https://doi.org/10.1007/s44279-026-00556-w
3. **M. Bosompem**, Fatimah Von Abubakari (2026). Exploring the Food Security Implications of the Anchor

Borrowers' Program on Smallholder Farmers in Southeast Nigeria. *International Journal of Agricultural Science, Research and Technology in Extension and Education Systems (IJASRT in EESs)*. https://www.researchgate.net/profile/Martin-Bosompem-2/publication/408468614_Exploring_the_Food_Security_Implications_of_the_Anchor_Borrowers'_Program_on_Smallholder_Farmers_in_Southeast_Nigeria/links/6a4979065ec65810298ef81d/Exploring-the-Food-Security-Implications-of-the-Anchor-Borrowers-Program-on-Smallholder-Farmers-in-Southeast-Nigeria.pdf

4. **Martin Bosompem**, Fatimah Von Abubakari (2026). Socioeconomic Drivers of Smallholder Farmers' Perceived Effectiveness of the Anchor Borrowers' Programme in Southeast Nigeria. *Journal of Agricultural Extension*. https://www.ajol.info/index.php/jae/article/download/329116/309524
5. Clement Okechukwu Attamah, Fatimah Von D Abubakari,, **Martin Bosompem** (2026). Socioeconomic Drivers of the Perceived Effectiveness of Anchor Borrowers' Programme among Smallholder Farmers in Southeast Nigeria. *Journal of Agricultural Extension*. https://doi.org/10.4314/jae.v30i3.8
6. Andreas A. Kudom, **Martin Bosompem**, Michael O. Adu, Benedict Afful, Benjamin Anderson, Francis Armah, Paul A. Asare, Joana Ayettey, Ben A. Mensah, Peter Osei-Wusu Adueming (2026). Urban herbicide use threatens a non-target butterfly (Hypolimnas misippus) through direct toxicity and host plant stress in Ghana. *PLOS Ecosystems*. https://doi.org/10.1371/journal.pesy.0000020
7. Bombason Kweku Tuoho, Samuel Kwesi Ndzebah Dadzie, Julius Kofi Hagan, **Martin Bosompem**, Edward Adu-Kyei (2025). Comparative analysis of the profit efficiency levels among the major actors in broiler value chain in Ghana. *Cogent Food & Agriculture*. https://doi.org/10.1080/23311932.2024.2447386
8. Bombason Kweku Tuoho, Samuel Kwesi Ndzebah Dadzie, Julius Kofi Hagan, **Martin Bosompem**, Robert Aidoo, Isaac Kwasi Asante (2025). Examining the Perception of Undergraduate Students Towards Choosing Broiler Value Chain Business as a Vocation After Graduation. *SAGE Open*. https://doi.org/10.1177/21582440251377153
9. Attamah, Clement Okechukwu, **Bosompem, Martin**, Abubakari, Fatimah Von (2025). Exploring the Food Security Implications of the Anchor Borrowers' Programme on Smallholder Farmers in Southeast Nigeria. *International Journal of agricultural science, research and technology in extension and education systems*. https://doi.org/10.71505/ijasrt.2026.1222525
10. **Martin Bosompem**, F Von Abubakari (2025). Impact of Anchor Borrowers' Programme on the Livelihoods of Smallholder Farmers in Southeast, Nigeria. *Journal of Agricultural Extension*. http://www.journal.aesonnigeria.org/index.php/jae/article/view/5122
11. Clement Okechukwu Attamah, **Martin Bosompem**, Fatimah Von Abubakari (2025). The Impact of the Anchor Borrowers' Programme on the Livelihoods of Smallholder Farmers in Southeast, Nigeria. *Journal of Agricultural Extension*. https://doi.org/10.4314/jae.v29i2.3
12. **Martin Bosompem** (2024). Predictors of Farmers' Willingness to Adopt Artificial Pollination Innovation in Cocoa: Implications for Sustainable Cocoa Production in Ghana. *Journal of Sustainable Development in Africa*. https://www.jsd-africa.com/Jsda/2024%20V26%20No2%20Summer/PREDICTORS%20OF%20FARMERS%20WILLINGNESS%20TO%20ADOPT%20ARTIFICIAL%20POLLINATION%20INNOVATION%20IN%20COCOA%20IMPLICATIONS%20FOR%20SUSTAINABLE%20COCOA%20PRODUCTION%20IN%20GHANA_Bosompem.pdf
13. **Martin Bosompem**, Patrick Arhin, Jacob Nunoo, Kwadwo Kusi Amoah (2024). Smallholder farmers' participation in Cassava value addition practices: What drivers matter in Ghana? *Journal of Agriculture and Food Research*. https://doi.org/10.1016/j.jafr.2024.101120
14. Benjamin Tetteh Anang, Gilbert Dagunga, **Martin Bosompem** (2023). Predictors of inoculant-based technology adoption by smallholder soybean farmers in northern Ghana: implications for soil fertility management. *Agriculture & Food Security*. https://doi.org/10.1186/s40066-023-00435-3
15. **Martin Bosompem** (2023). Women (Dis) Empowerment Status in Agriculture: The Case of Botswana Participants in Livestock Management and Infrastructure Development Programme. *Journal of Sustainable Development in Africa*. https://www.jsd-africa.com/Jsda/2023%20V25%20NO1%20Spring/Women%20(Dis)Empowerment%20Status%20in%20Agriculture_Martin%20Bosompem.pdf
16. **Martin Bosompem**, EK Tham-Agyekum (2022). Perceived effect of knowledge management capacity on performance of cocoa health and extension division in Ghana. *International Journal of Agricultural*

Extension. https://doi.org/10.5555/20220263956

17. Alicea Garcia, Petra Tschakert, Nana Afia Karikari, Simon Mariwah, **Martin Bosompem** (2021). Emancipatory spaces: Opportunities for (re)negotiating gendered subjectivities and enhancing adaptive capacities. *Geoforum*. https://doi.org/10.1016/j.geoforum.2020.09.018
18. **M Bosompem** (2021). Implications of women's work space and work load on small-stock production by beneficiaries of Livestock Management and Infrastructure Development (LIMID) programme in the …. *RUFORUM Working Document Series (ISSN 1607-9345)*. https://repository.ruforum.org/system/tdf/Motaung.pdf?file=1&type=node&id=40219&force=
19. **Martin Bosompem** (2021). Potential challenges to precision agriculture technologies development in Ghana: scientists' and cocoa extension agents' perspectives. *Precision Agriculture*. https://doi.org/10.1007/s11119-021-09801-2
20. **Martin Bosompem** (2019). Organic fertilizers use by small scale vegetable farmers in Ejusu-Juaben Municipality in Ashanti region of Ghana. *International Journal of Agriculture and Biological Sciences.*.
21. **Martin Bosompem** (2019). Predictors of Ex-Ante Adoption of Precision Agriculture Technologies by Cocoa Farmers in Ghana. *Journal of Sustainable Development in Africa*. https://www.jsd-africa.com/Jsda/2019%20V21%20No4%20Winter/PDF/Predictors%20of%20Ex-Ante%20Adoption%20of%20Precision_Martin%20%20Proofread_April_2020.pdf
22. Ernest E. Abano, Enoch T. Quayson, **Martin Bosompem**, Margaret Quarm (2019). β-Carotene-fortified gari: Processing variables effect on nutritional and sensory qualities. *Journal of Food Process Engineering*. https://doi.org/10.1111/jfpe.13322
23. Selorm Akaba, **Martin Bosompem** (2018). Public and Private Extension Services Delivery to Cassava Farmers in Sanniquellie and Saclepea Mahn Districts in Nimba County, Liberia. *Journal of Sustainable Development in Africa*. https://www.jsd-africa.com/Jsda/Vol20No1%20Spring%202018/1-%20Sustainable%20Agriculture/Public%20and%20Private%20Extension%20Services.Mercy%20Lah.pdf
24. **Martin Bosompem**, Theophilus Numo (2017). Abolition of Agricultural Science as a Single Subject in Basic Schools in Ghana: Implications for Basic Educational Reforms. *International Journal of Learning Teaching and Educational Research*.
25. Bethel Worlah Akpotosu, Festus Annor-Frempong, **Martin Bosompem** (2017). Determinants of agricultural extension agents' internet competencies in Eastern Region of Ghana. *International Journal of Research Studies in Computing*. https://doi.org/10.5861/ijrsc.2017.1758
26. Daniel Kwame Ampofo Adjei, Festus Annor-Frempong, **Martin Bosompem** (2016). Use of social networking websites among NGOs in the Greater Accra Region of Ghana. *Public Relations Review*. https://doi.org/10.1016/j.pubrev.2016.09.006
27. **Martin Bosompem** (2014). Teach entrepreneurship to cut graduate unemployment. *SciDev. net-Enterprise*. https://search.proquest.com/openview/d945abd2d1036e27e8a3b8cc89b3ee60/1?pq-origsite=gscholar&cbl=5572318
28. Ernest L. Okorley, Gabriel Adjaro, **Martin Bosompem** (2014). The Potential of Farmer Field School in Cocoa Extension Delivery:A Ghanaian Case Study. *Journal of International Agricultural and Extension Education*. https://doi.org/10.4148/2831-5960.1230
29. **M Bosompem** (2013). Perceived entrepreneurial competencies of undergraduates and self-employment creation after graduation: Implications for youth policy in Ghana. *International Journal of Business and Management Studies*. https://www.researchgate.net/profile/Martin-Bosompem-2/publication/272789051_Perceived_Entrepreneurial_Competencies_of_Undergraduates_And_Self-Employment_Creation_After_Graduation_Implications_For_Youth_Policy_In_Ghana/links/554250ae0cf23ff716835948/Perceived-Entrepreneurial-Competencies-of-Undergraduates-And-Self-Employment-Creation-After-Graduation-Implications-For-Youth-Policy-In-Ghana.pdf
30. HAGAN JULIUS KOFI, **M Bosompem**, IA Adjei (2013). The Productive Performance of Local chickens in three ecological zones of Ghana. *ARPN journal of Agricultural and Biological Sciences.*. https://doi.org/10.5555/20133067641
31. **M Bosompem**, A Obeng-Mensah (2012). Determinants of motivation of senior high school agricultural

science teachers in the central region, Ghana. *Journal of Arts, Science & Commerce*. https://ir.ucc.edu.gh/server/api/core/bitstreams/b00f99f5-3c66-4788-9a2f-7ad6a0fca368/content

32. EL Okorley, **M Bosompem** (2012). Effects of Climate Change Outcomes on Food Production and Implication for Food Security: A Ghanaian Case Study. *Climate Change and Sustainable Development in Africa*. https://scholar.google.com/scholar?cluster=14613853332888973020&hl=en&oi=scholarr

33. HAGAN JULIUS KOFI, SO Apori, **M Bosompem** (2012). Morphological characteristics of indigenous goats in the coastal savannah and forest eco-zones of Ghana. *J. Anim. Sci. Adv*. https://www.researchgate.net/profile/Martin-Bosompem-2/publication/315053011_Morphological_Characteristics_of_Indigenous_Goats_in_the_Coastal_Savannah_and_Forest_Eco-Zones_of_Ghana/links/58c9294eaca2721e66790617/Morphological-Characteristics-of-Indigenous-Goats-in-the-Coastal-Savannah-and-Forest-Eco-Zones-of-Ghana.pdf

34. **M Bosompem**, E Mensah (2012). Occupational hazards among cocoa farmers in the Birim South District in the Eastern Region of Ghana. *Journal of Agricultural and Biological Sciences.*. https://doi.org/10.5555/20133031379

35. **Martin Bosompem** (2011). Perceived impact of cocoa innovations on the livelihoods of cocoa farmers in Ghana: the sustainable livelihood framework (SI) approach. *Journal of Sustainable Development in Africa*. https://www.academia.edu/download/106735822/bosompem2011.pdf

36. **MARTIN BOSOMPEM** (2011). Young and proudly agriculturalist, Ghana experience. *A paper presented at a workshop on "Opportunities in Agriculture and Rural Areas for Youth in times of New Information Technologies". Accra: YPARD Africa*. https://www.researchgate.net/profile/Martin-Bosompem-2/publication/311665726_YOUNG_AND_PROUDLY_AGRICULTURALIST_GHANA_EXPERIENCE/links/5852cf7908ae0c0f322273f0/YOUNG-AND-PROUDLY-AGRICULTURALIST-GHANA-EXPERIENCE.pdf

37. **M Bosompem** (2010). Is precision agriculture feasible in cocoa production in Ghana?: The case of "cocoa high technology programme" in the eastern region of Ghana. *Proceedings of the 10th International Conference on Precision Agriculture, ICPA, Hyatt Regency Tech Center in Denver, Colorado, USA*. https://scholar.google.com/scholar?cluster=10735365290110558768&hl=en&oi=scholarr

38. **M Bosompem** (2008). Microfinance as poverty alleviation tool: case study of social investment fund interventions in the central region–Ghana. *Governance and Sustainable Development, Marcel Hughes Publicity Group, Cape Coast*. https://scholar.google.com/scholar?cluster=13800405194363867244&hl=en&oi=scholarr

39. **Martin Bosompem** (2006). Cocoa farmers' perceived Impart of the cocoa high technology programme on their livelihoods in the Eastern Region of Ghana. *Unpublished Master's Thesis. Department of Agricultural Economics and Extension University of Cape Coast, Cape Coast, Ghana*. https://ir.ucc.edu.gh/server/api/core/bitstreams/b846f3a1-7ba1-4b7f-9397-36a1ae5a8a54/content

Book chapters 1

1. Masa V. Motaung, **Martin Bosompem** (2026). Determinants of Women's Empowerment in Agriculture in Botswana: The Abbreviated Women's Empowerment in Agriculture Index (A-WEAI) Approach. *The Emerald Handbook of Family and Social Change in the Global South*. https://doi.org/10.1108/978-1-83549-802-620261003

Conference papers 1

1. ABANO ERNEST EKOW, Enoch Quayson, **Martin Bosompem** (2021). Participatory Action Research to Developing Acceptable Provitamin a Fortified Gari. *Bode, Umuerri (Eds.): Universities, Entrepreneurship and Enterprise Development in Africa–Conference Proceedings 2020*. https://pub.h-brs.de/files/5372/UEEDAfrica2020_146.pdf

Reports 1

1. **Martin Bosompem** (2011). Pact of cocoa innovations on the livelihoods of cocoa farmers in Ghana: the sustainable livelihood framework (SL) approach. *University of Cape Coast*. https://ir.ucc.edu.gh/items/e9864ab9-c658-455e-bace-02f216df53de