Prof. Peter Kofi Kwapong,

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RESEARCH

Interests	Pollination Ecology · Ecosystem Services · Bee Ecology · Stingless Bees
Areas	Ecology, Evolution, Behavior and Systematics · Insect Science · Genetics · Plant Science · Forestry · General Agricultural and Biological Sciences

RESEARCH SUMMARY

72	2,357	21	31	6.52	38%
Publications	Citations	h-index	i10-index	Field-weighted impact	World top 10%

Counted from the 72 publications listed below, 1997–2026. Field-weighted impact is the mean over the 26 works scored for it; 1.00 is the world average for works of the same field, type and year. 10 of the 26 papers scored for it are among the world's most cited tenth for their field, type and year.

POSITIONS

Professor 1991–present
Conservation Biology and Entomology, University of Cape Coast, College of Agriculture and Natural Sciences, School of Biological Sciences, Cape Coast, Ghana

EDUCATION AND QUALIFICATIONS

PhD Entomolgy (Horticulture) 1993–1998
Plant Sciences, University of Reading, Reading, United Kingdom

PUBLICATIONS

Journal articles 60

1. Andrew Kibogo, Kwaku Brako Dakwa, **Peter K. Kwapong**, Rofela Combey (2026). Contribution of Beekeeping to Household Income around Gishwati- Mukura National Park in Rwanda. *DOAJ (DOAJ: Directory of Open Access Journals)*.
2. Pierre Noiset, Leon Marshall, Denise A. Alves, John S. Ascher, Nathalie Cabirol, Luísa G. Carvalheiro, Shao Xiong Chui, Rofela Combey, Guaraci D. Cordeiro, James B. Dorey, … **Peter Kwapong** and 18 others (2026). Mapping the Global Range of Stingless Bees: Insights Into Their Ecological Niches and Environmental Tolerances. *Journal of Biogeography*. https://doi.org/10.1111/jbi.70340
3. Kwaku Brako Dakwa, **Peter Kofi Kwapong**, Rofela Combey (2026). Species Composition, Relative Abundance and Diversity of Forager Honey Bees in and around Gishwati-Mukura National Park, Rwanda. *Ethiopian Journal of Science and Sustainable Development*. https://ejssd.astu.edu.et/index.php/EJSSD/article/view/1147
4. Pierre Noiset, Madeleine Héger, Chloé Salmon, **Peter Kwapong**, Rofela Combey, Kumara Thevan, Natapot Warrit, Marcelo Rojas-Oropeza, Nathalie Cabirol, Carlos Zaragoza-Trello, Claus Rasmussen, Kiatoko Nkoba, Nicolas J. Vereecken (2025). Ecological and evolutionary drivers of stingless bee honey variation at the global scale. *The Science of The Total Environment*. https://doi.org/10.1016/j.scitotenv.2025.178945
5. Latif Iddrisu Nasare, **Peter Kofi Kwapong**, Jane C. Stout (2025). Geographic variation in shea (Vitellaria paradoxa subsp. paradoxa) floral phenology and morphology in the Guinea savanna zone of Ghana. *Ghana*

Journal of Science Technology and Development. https://doi.org/10.47881/497.967x

6. Latif Iddrisu Nasare, Jane C. Stout, **Peter Kofi Kwapong** (2024). Beekeeping improves shea pollination and fruit set in West African agroforestry parklands. *Ecological Solutions and Evidence*. https://doi.org/10.1002/2688-8319.12348
7. Hampus Månefjord, A. Andrew Huzortey, Rabbi Boateng, Y. Adolphe Gbogbo, A. S. Doria Yamoa, Jérémie T. Zoueu, **Peter K. Kwapong**, Benjamin Anderson, Mikkel Brydegaard (2024). Hyperspectral lidar for monitoring high-resolution activity patterns of African stingless bee species. *Animal Biotelemetry*. https://doi.org/10.1186/s40317-024-00372-3
8. Enoch Selorm Kofi Ofori, Linus Dottey, Michael Yao Osae, John Abraham, **Peter Kofi Kwapong** (2023). Mass Trapping of Live Male Bactrocera dorsalis Hendel (Diptera: Tephritidae): Interaction between Trap Types and Period of Trapping. *Psyche A Journal of Entomology*. https://doi.org/10.1155/2023/5575236
9. Enoch Selorm Kofi Ofori, Michael Yao Osae, **Peter Kofi Kwapong**, John Abraham (2023). Population dynamics of fruit flies (Diptera: Tephritidae) in mango orchards in the southeastern mango enclave of Ghana. *International Journal of Tropical Insect Science*. https://doi.org/10.1007/s42690-023-01116-1
10. Latif Iddrisu Nasare, Jane Stout, Peter Lovett, **Peter Kofi Kwapong** (2022). Determinants of shea (Vitellaria paradoxa C.F. Gaertn.) fruit yield: A review of research approaches and current knowledge. *Scientific African*. https://doi.org/10.1016/j.sciaf.2022.e01371
11. **Peter K Kwapong** (2020). Insect pollinator dependence of shea (Vitellaria paradoxa CF Gaertn.) in the Guinea Savanna zone of Ghana (vol 8, pg 48, 2019). *ECOLOGICAL PROCESSES*. https://scholar.google.com/scholar?cluster=16651791311977226591&hl=en&oi=scholarr
12. **P Kwapong** (2020). Substrate management for cocoa pollinating midges. *TOWARDS SUSTAINABLE CROP POLLINATION SERVICES*. https://books.google.com/books?hl=en&lr=&id=CiroDwAAQBAJ&oi=fnd&pg=PA45&dq=info:zvFuj4E5w8kJ:scholar.google.com&ots=pL6Q5zISPS&sig=7BSDjt9PDr0EYTG03Bfjyi96yWo
13. **P Kwapong** (2019). Assessment of knowledge of shea nut tree (Viterallia paradoxa) stakeholders (shea nut collectors, processors and exporters) in pollination, shea pollinators, their roles and .... *Journal of Entomology and Zoology Studies*. https://scholar.google.com/scholar?cluster=6850042117894148635&hl=en&oi=scholarr
14. Rosemary Hill, Guiomar Nates-Parra, José Javier G. Quezada-Euán, Damayanti Buchori, Gretchen LeBuhn, Marcia M. Maués, Petina L. Pert, **Peter K Kwapong**, Shafqat Saeed, Sara J Breslow and 11 others (2019). Biocultural approaches to pollinator conservation. *Nature Sustainability*. https://doi.org/10.1038/s41893-019-0244-z
15. Courage Besah-Adanu, Aske S. Bosselmann, Lise Hansted, **Peter K. Kwapong** (2019). Food origin labels in Ghana: Finding inspiration in the European geographical indications system on honey. *The Journal of World Intellectual Property*. https://doi.org/10.1111/jwip.12127
16. Latif Iddrisu Nasare, **Peter K. Kwapong**, Dzigbodi Adzo Doke (2019). Insect pollinator dependence of shea (Vitellaria paradoxa C.F. Gaertn.) in the Guinea Savanna zone of Ghana. *Ecological Processes*. https://doi.org/10.1186/s13717-019-0202-8
17. E.A. Ewusie, **P.K. Kwapong**, G. Ofosu-Budu, C. Sandrock, A.M. Akumah, E.K. Nartey, C. Tetegaga, S.K. Agyakwah (2019). The black soldier fly, Hermetia illucens (Diptera: Stratiomyidae): Trapping and culturing of wild colonies in Ghana. *Scientific African*. https://doi.org/10.1016/j.sciaf.2019.e00134
18. E Ewusie, **P Kwapong**, G Ofosu-Budu, C Sandrock, A Akumah, E Nartey, C Teye-Gaga, S Agyarkwah, N Adamtey (2018). Development of Black Soldier Fly, Hermetia illucens (Diptera: Stratiomyidae) in Selected Organic Market Waste Fractions in Accra, Ghana. *Asian Journal of Biotechnology and Bioresource Technology*. https://doi.org/10.9734/ajb2t/2018/42371
19. **Peter Kwapong** (2018). Global patterns of biocultural approaches to pollinators and pollination. *CSIRO Data Set*. https://ui.adsabs.harvard.edu/abs/2018csir.data..558H/abstract
20. **Peter Kwapong** (2018). Global patterns of biocultural approaches to pollinators and pollination: restricted access files. *CSIRO Data Set*. https://ui.adsabs.harvard.edu/abs/2018csir.data..465H/abstract
21. Jane C Stout, Issa Nombre, Bernd De Bruijn, Aoife Delaney, Dzigbodi Adzo Doke, Thomas Gyimah,

Francois Kamano, Ruth Kelly, Peter Lovett, Elaine Marshall, Latif Iddrisu Nasare, Adama Nana, Japheth Roberts, Prudence Tankoano, Cath Tayleur, David Thomas, Juliet Vickery, **Peter Kwapong** (2018). Insect pollination improves yield of Shea (Vitellaria paradoxa subsp. paradoxa) in the agroforestry parklands of West Africa. *Journal of Pollination Ecology*. https://doi.org/10.26786/1920-7603(2018)two

22. **P Kwapong** (2018). Stingless bee colonies and pollination. *The pollination of cultivated plants: A compendium for practitioners*. https://www.researchgate.net/profile/David-Roubik/publication/326159696_The_Pollination_of_Cultivated_Plants_A_Compendium_for_Practitioners_Volume_2/links/5b3bac1d4585150d23f64f6c/The-Pollination-of-Cultivated-Plants-A-Compendium-for-Practitioners-Volume-2.pdf#page=62
23. BA Boateng, **Peter K Kwapong** (2017). Status and trends of monitoring insect pollinators in mango ecosystem in southern Ghana. *IJRDO-Journal of Applied Science*. https://www.researchgate.net/profile/Paul-Bosu/publication/327932040_STATUS_AND_TRENDS_OF_MONITORING_INSECT_POLLINATORS_IN_MANGO_ECOSYSTEM_IN_SOUTHERN_GHANA/links/5bade73e45851574f7ebf186/STATUS-AND-TRENDS-OF-MONITORING-INSECT-POLLINATORS-IN-MANGO-ECOSYSTEM-IN-SOUTHERN-GHANA.pdf
24. **Peter. K. Kwapong** (2017). Status and trends of monitoring insect pollinators in mango ecosystems in Southern Ghana. *IJRDO - Journal of Applied Management Science*.
25. **KP Kwapong**, R Combey (2017). Variation in bee abundance and diversity across subzones in the forest savannah transition zone of Ghana. *Researchjournali's Journal of Ecology*. https://www.researchgate.net/profile/Rofela-Combey/publication/326410360_Variation_in_Bee_Abundance_and_Diversity_Across_Subzones_in_the_Forest_Savanna_Transition_Zone_of_Ghana_Journal_of_Ecology_4_31-13/links/5b4bad1f0f7e9b4637dd649c/Variation-in-Bee-Abundance-and-Diversity-Across-Subzones-in-the-Forest-Savanna-Transition-Zone-of-Ghana-Journal-of-Ecology-4-31-13.pdf
26. **Peter Kofi Kwapong** (2016). Bee Fauna in and Around Kakum National Park. Entomol Ornithol Herpetol. *Entomol Ornithol Herpetol*. https://www.researchgate.net/profile/Rofela-Combey/publication/305079235_Bee_Fauna_in_and_Around_Kakum_National_Park/links/57865ea408aec5c2e4e2eab7/Bee-Fauna-in-and-Around-Kakum-National-Park.pdf
27. **Peter Kwapong** (2016). Bee pollination industry in Africa: status, challenges and options for enhancement. *Bulletin of Animal Health and Production in Africa*. https://www.academia.edu/download/45509356/bahpa_20160427_bee_special_edition_fr_en.pdf#page=27
28. Rufus Isaacs, Brett Blaauw, Neal M. Williams, **Peter Kwapong**, Eric Lee-Mäder, Mace Vaughan (2016). Farm-tailored measures to sustain and enhance pollination services. https://doi.org/10.4324/9781315696355-16
29. **PK Kwapong** (2016). IPBES (2016): Summary for policymakers of the assessment report of the Intergovernmental Science-Policy Platform on Biodiversity and Ecosystem Services on pollinators …. *Secretariat of the Intergovernmental Science-Policy Platform on Biodiversity and Ecosystem Services, Bonn, Germany*. https://scholar.google.com/scholar?cluster=10087979530712139668&hl=en&oi=scholarr
30. Lucas A. Garibaldi, Luísa G. Carvalheiro, Bernard E. Vaissière, Barbara Gemmill-Herren, Juliana Hipólito, Breno M. Freitas, Hien T. Ngo, Nadine Azzu, Agustín Sáez, Jens Åström, … **Peter Kwapong** and 24 others (2016). Mutually beneficial pollinator diversity and crop yield outcomes in small and large farms. *Science*. https://doi.org/10.1126/science.aac7287
31. **Peter Kofi Kwapong** (2015). Early colony development of an equatorial afrotropical stingless bee (Hypotrigona sp.) In a new habitat. *Journal of Young Investigators*. https://www.jyi.org/2015-september/2017/3/26/early-colony-development-of-an-equatorial-afrotropical-stingless-bee-hypotrigona-sp-in-a-new-habitat
32. Besah-Adanu, Courage, **Kwapong, Peter**, Bosselmann, Aske Skovmand, Hansted, Lise (2015). Identifying honeys for Geographical Indication recognition:motivation for land use improvement and honey bee conservation. *Research at the University of Copenhagen (University of Copenhagen)*.
33. Ferdinand Tornyie, **Peter K. Kwapong** (2015). Nesting ecology of stingless bees and potential threats to their survival within selected landscapes in the northern Volta region of Ghana. *African Journal of Ecology*. https://doi.org/10.1111/aje.12208

34. **PKK Kwapong**, B Ahedor (2014). Pollination and yield dynamics of cocoa tree. *Research and Review in Bioscience*. https://scholar.google.com/scholar?cluster=15230477398463071623&hl=en&oi=scholarr

35. Barbara Gemmill-Herren, **Peter Kwapong Kwapong**, Kwame Aidoo, Dino Martins, Wanja Kinuthia, Mary Gikungu, Connal Desmond Eardley (2014). Priorities for Research and Development in the Management of Pollination Services for Agricultural Development in Africa. *Journal of Pollination Ecology*. https://doi.org/10.26786/1920-7603(2014)1

36. **PK Kwapong** (2014). Shelf-life and variances in antimicrobial properties of honey from m. bocandei and m. ferruginea in central ghana. *Journal of Young Investigators*. https://www.jyi.org/2013-january/2017/9/7/shelf-life-and-variances-in-antimicrobial-properties-of-honey-from-m-bocandei-and-m-ferruginea-in-central-ghana

37. Kofi Frimpong-Anin, Michael K. Adjaloo, **Peter K. Kwapong**, William Oduro (2014). Structure and Stability of Cocoa Flowers and Their Response to Pollination. *Journal of Botany*. https://doi.org/10.1155/2014/513623

38. **PK Kwapong** (2013). Cocoa farmers' awareness of pollination and its implication for pollinator-friendly practices. *Research and Reviews in Biosciences*. https://scholar.google.com/scholar?cluster=5782922817170920872&hl=en&oi=scholarr

39. **PK Kwapong** (2013). Comparative antibacterial activity of stingless bee honey and standard antibiotics against common eye pathogens. *J. Microbiol. Biotechnol. Res*. https://www.academia.edu/download/69189673/Comparative_antimicrobial_activity_of_st20210908-28307-pj9v8e.pdf

40. R Combey, **Peter Kwapong** (2013). Geometric morphometrics reveals morphological differentiation within four African stingless bee species. *Annals of Biological Research*. https://www.academia.edu/download/83896091/Geometric_morphometrics_reveals_morpholo20220411-8647-jrv2zu.pdf

41. R Combey, **Peter Kwapong** (2013). Ghanaian children's' perception of rainforest biodiversity. *Biological Research*. https://www.researchgate.net/profile/Rofela-Combey/publication/307415903_Ghanaian_children's'_perception_of_rainforest_biodiversity/links/57c558a808ae496e4211bce7/Ghanaian-childrens-perception-of-rainforest-biodiversity.pdf

42. **Peter Kofi Kwapong** (2013). Nesting ecology of stingless bees within three landscapes in the Northern part of the Volta Region of Ghana. *CHAPTER ONE*. https://ir.ucc.edu.gh/server/api/core/bitstreams/ee74ceec-6eb6-43fb-b69d-fddef31fdc52/content

43. **PK Kwapong** (2013). Pollinator management and insecticide usage within cocoa agroecosystem in Ghana. *Res Rev Biosci*. https://scholar.google.com/scholar?cluster=526644763382601087&hl=en&oi=scholarr

44. ROFELA COMBEY, **PK Kwapong** (2013). Shelf-life and variances in antimicrobial properties of honey from Meliponula bocandei and Meliponula ferruginea in central Ghana. *Journal of Young Investigators*. https://www.researchgate.net/profile/Daniel-Wubah/publication/263379251_Shelf_life_and_variances_in_antimicrobial_properties_of_honey_from_Melinopula_bocandei_and_Melinopula_ferruginae_from_the_central_region_in_Ghana/links/0deec53ab13ed7ade7000000/Shelf-life-and-variances-in-antimicrobial-properties-of-honey-from-Melinopula-bocandei-and-Melinopula-ferruginae-from-the-central-region-in-Ghana.pdf

45. Bernhard A. Huber, **Peter Kwapong** (2013). West African pholcid spiders: an overview, with descriptions of five new species (Araneae, Pholcidae). *European Journal of Taxonomy*. https://doi.org/10.5852/ejt.2013.59

46. Alex Ilechie, **Kwapong**, Kyei, Mate-Kole, Darko-Takyi (2012). The efficacy of stingless bee honey for the treatment of bacteria-induced conjunctivitis in guinea pigs. *Journal of Experimental Pharmacology*. https://doi.org/10.2147/jep.s28415

47. **PK Kwapong**, R Combey (2012). What Are The Bees Collecting?: Case Study Of Stingless Bees In The Central Region of Ghana. *Third international scientific symposium" Agrosym Jahorina*. https://scholar.google.com/scholar?cluster=4248552951958004346&hl=en&oi=scholarr

48. **Peter Kwapong** (2011). Dynamics of insect pollinators as influenced by cocoa production systems in Ghana. *Journal of Pollination Ecology*. https://www.academia.edu/download/91001803/16.pdf

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50. **Peter K Kwapong**, R Combey (2011). The utility of aerial pan-trapping for assessing insect pollinators across vertical strata. *Journal of the Kansas Entomological Society*. https://www.jstor.org/stable/41353889
51. ILECHIE ALEX AZUKA, **P Kwapong** (2010). Comparative antimicrobial activity of stingless bee honey and standard antibiotics against common eye pathogens. *The Optometric Educator, Journal of the Association of Nigeria Optometric Educators*. https://ir.ucc.edu.gh/server/api/core/bitstreams/14c38f2a-b871-49c0-b782-73d8909aba7f/content
52. **Peter Kofi Kwapong** (2010). Floral visitors of Ananas comosus in Ghana: A preliminary assessment. *Journal of Pollination Ecology*. https://www.academia.edu/download/80807717/6.pdf
53. R Combey, **P Kwapong** (2010). Phylogenetic analysis of the bee tribe Anthidiini. *Journal of Ghana Science Association*. https://ghanascience.gov.gh/wp-content/uploads/2018/04/Combey.pdf
54. **P Kwapong**, R Combey (2010). Stingless Bees A Training Manual for Stingless Beekeeping. *Unimax*. https://scholar.google.com/scholar?cluster=16915553362150712056&hl=en&oi=scholarr
55. **P Kwapong**, R Combey (2010). Stingless Bees Importance. *Management and Utilisation*. https://scholar.google.com/scholar?cluster=14836901794110901341&hl=en&oi=scholarr
56. E.A. Frimpong, I. Gordon, **P.K. Kwapong**, B. Gemmill-Herren (2009). Dynamics of cocoa pollination: tools and applications for surveying and monitoring cocoa pollinators. *International Journal of Tropical Insect Science*. https://doi.org/10.1017/s1742758409990117
57. ROFELA COMBEY, **PK Kwapong** (2007). A survey of indigenous knowledge of stingless bees (Apidae: Meliponini) in the central region of Ghana. *Journal of the Ghana Science Association*. https://www.ajol.info/index.php/jgsa/article/view/48073
58. **P Kwapong** (2006). Surveying and monitoring of pollinators in natural landscapes and in cultivated fields. *Bees as pollinators in Brazil: Assessing the status and suggesting best practices. Ribeirão Preto, Holos, 96p*. https://scholar.google.com/scholar?cluster=8109232357141279812&hl=en&oi=scholarr
59. **PK Kwapong** (2005). Agronomic methods practiced by sweet potato farmers in the central and western regions of Ghana and implications on yield and profitability. *Journal of the Ghana Science Association*. https://www.africabib.org/rec.php?RID=Q00042495
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Book chapters 4

1. **Peter Kofi Kwapong** (2016). BIOCULTURAL DIVERSITY, POLLINATORS AND THEIR SOCIO-CULTURAL VALUES. *(IPBES 2016). In S.G. Potts, V. L. Imperatriz-Fonseca, and H. T. Ngo, (eds). Ecosystem Services on pollinators, pollination and food production,*.
2. **Peter Kwapong** (2016). Monitoring pollinators around the world. *Pollination services to agriculture*. https://doi.org/10.4324/9781315696355-2
3. **Peter Kofi Kwapong** (2012). On the diversity of foraging-related traits in stingless bees. *Pot-Honey: A legacy of stingless bees*. https://doi.org/10.1007/978-1-4614-4960-7_13
4. Connal Eardley, **Peter Kwapong** (2012). Taxonomy as a Tool for Conservation of African Stingless Bees and Their Honey. https://doi.org/10.1007/978-1-4614-4960-7_18

Conference papers 2

1. Andrew Atiogbe Huzortey, Benjamin Anderson, Jonathan Ntow, Samuel Sonko Sackey, Rofela Combey, Joseph Kwasi Adu, Charles Lloyd Yeboah Amuah, **Peter Kofi Kwapong**, Alfred Owusu (2022). 445 nm Laser-Induced Fluorescence monitoring of 5-Hydroxymethylfurfural in Honey. *Conference on Lasers and Electro-Optics*. https://doi.org/10.1364/cleo_at.2022.am2m.5
2. **P Kwapong** (2006). Assessment of pollinators and pollination services. *Pollinatiors and Pollination: A Resource Book for Policy and Practice*. https://rune.une.edu.au/entities/publication/441bea54-a0af-4855-ba9f-590f227c3eb0

Reports 5

1. **Peter Kwapong** (2017). Biocultural diversity, pollinators and their socio-cultural values. *Intergovernmental Science-Policy Platform on Biodiversity and Ecosystem ...*. https://researchonline.jcu.edu.au/47593/
2. **Peter Kofi Kwapong** (2016). Pollination services to agriculture: sustaining and enhancing a key ecosystem service. *Routledge*. https://books.google.com/books?hl=en&lr=&id=0Xf7CwAAQBAJ&oi=fnd&pg=PP1&dq=info:uL4S-M91hGUJ:scholar.google.com&ots=8xLLieJaLS&sig=UbQu-o5PS2K8scoZuiyJoeon11w
3. **Peter Kofi Kwapong** (2016). The assessment report of the Intergovernmental Science-Policy Platform on Biodiversity and Ecosystem Services on pollinators, pollination and food production. Secretariat of th. *Secretariat of the Intergovernmental Science-Policy Platform on Biodiversity ...*. https://nora.nerc.ac.uk/id/eprint/519227/
4. **Peter Kofi Kwapong** (2010). Bee conservation: evidence for the effects of interventions. *Pelagic Publishing*. https://books.google.com/books?hl=en&lr=&id=TKG-Uv_NOP0C&oi=fnd&pg=PT7&dq=info:peDIpsH-HNoJ:scholar.google.com&ots=gopWp1IKWL&sig=CcNVS0GXijypIIjAVpUyqMAB7U0
5. **Peter Kofi Kwapong** (2007). Crops, browse and pollinators in Africa: an initial stock-taking. *Food and Agriculture Organization of the United Nations*. https://library.wur.nl/WebQuery/titel/1869495

Theses 1

1. **Peter Kofi Kwapong** (1997). Studies on the experience of host brassica crops by the aphids (Brevicoryne brassicae and Myzus persicae) and the diamondback moth (Plutella xylostella) and their parasitoids .... *University of Reading*. https://scholar.google.com/scholar?cluster=18411463216627568 09&hl=en&oi=scholarr