

Fiifi Amoako Johnson

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RESEARCH

Interests Spatial and Social Statistics
Areas Pediatrics, Perinatology and Child Health · Nutrition and Dietetics · Public Health, Environmental and Occupational Health · Sociology and Political Science · Clinical Psychology · Economics and Econometrics

RESEARCH SUMMARY

74	11,465	29	46	3.10	45%
Publications	Citations	h-index	i10-index	Field-weighted impact	World top 10%

Counted from the 74 publications listed below, 1977–2026. Field-weighted impact is the mean over the 20 works scored for it; 1.00 is the world average for works of the same field, type and year. 9 of the 20 papers scored for it are among the world's most cited tenth for their field, type and year.

PUBLICATIONS

Journal articles 52

1. David Teye Doku, Yvonne Ayerki Nartey, Obed Cudjoe, Gladys Akotoaa Sakyi, Evans Duah, George Adjei, Ruby Syal, Fiifi Amoako Johnson, Frederick Ato Armah, Zulfiqar Ahmed Bhutta (2026). A scoping review of the health and health-related sustainable development goals (HHSDGs) in Ghana: progress and challenges. *BMC Public Health*. <https://doi.org/10.1186/s12889-025-25985-y>
2. Osman Adams, Chia-Lin Wang, Edmund Chattoe-Brown, Heather Hamill, Katherine Hampshire, Simon Mariwah, Daniel Amoako-Sakyi, Fiifi Amoako Johnson, Graeme J. Ackland (2026). An empirical network study of the antimalarial supply chain in Ghana. *PLoS ONE*. <https://doi.org/10.1371/journal.pone.0346689>
3. Fiifi Amoako Johnson, Philip-Neri Jayson-Quashigah, Duncan Hornby, Chris Hill, Mumuni Abu, Kwasi Appeaning Addo, Benjamin Kofi Nyarko, Samuel Nii Ardey Codjoe, Cynthia Addoquaye Tagoe, Craig William Hutton, Sabu Padmadas (2025). Mapping socio-environmentally vulnerable hotspots in the Volta Delta of Ghana. *PLoS ONE*. <https://doi.org/10.1371/journal.pone.0322453>
4. Ashish Kumar Upadhyay, Abhishek Singh, Ashish Singh, Fiifi Amoako Johnson, Kaushalendra Kumar, Nikos Tzavidis, Sabu Padmadas (2025). Mapping son preference in India, 2002–2021: Spatial patterns and trends using model-based small area estimation. *Demographic Research*. <https://doi.org/10.4054/demres.2025.53.28>
5. Fred Johnson (2025). Tracking the sources of metals to the San Juan River, Four Corners Region, USA: an introduction to the thematic collection. *Geochemistry: Exploration, Environment, Analysis*. <https://doi.org/10.1144/geochem2024-027>
6. Ebenezer N. K. Boateng, Gerald Atampugre, Simon Mariwah, Ishmael Mensah, Fiifi Amoako Johnson, Christine Furst, Benjamin K. Nyarko (2024). Spatial and multivariate assessment of access to water for sustainable agriculture intensification in semi-arid Ghana. *PLOS Water*. <https://doi.org/10.1371/journal.pwat.0000283>
7. Fiifi Amoako Johnson (2023). A log-binomial Bayesian geospatial semiparametric analysis of geographical inequalities in caesarean births in Ghana. *BMC Pregnancy and Childbirth*. <https://doi.org/10.1186/s12884-023-06087-2>

8. Barbara Sakyi, Samuel K. M. Agblorti, **Fiifi Amoako Johnson** (2023). Camp-Based Refugees' Adherence to the COVID-19 Protocols at the Peak and Post-Peak of the Pandemic in Two Camps in Ghana. *Journal of International Migration and Integration / Revue de l'integration et de la migration internationale*. <https://doi.org/10.1007/s12134-023-01106-9>
9. Barbara Sakyi, **Fiifi Amoako Johnson** (2022). A cross-sectional study of the psychological impact of the COVID-19 pandemic on camped refugees in Ghana. *PLoS ONE*. <https://doi.org/10.1371/journal.pone.0277515>
10. **Fiifi Amoako Johnson** (2022). Geographical hotspots and correlates of early sexual debut among women in Ghana. *Reproductive Health*. <https://doi.org/10.1186/s12978-022-01425-7>
11. **Fiifi Amoako Johnson**, Barbara Sakyi (2022). Geospatial clustering and correlates of deaths during the Ebola outbreak in Liberia: a Bayesian geospatial semiparametric analysis of nationally representative cross-sectional survey data. *BMJ Open*. <https://doi.org/10.1136/bmjopen-2021-054095>
12. Abhishek Singh, Ashish Kumar Upadhyay, Kaushalendra Kumar, Ashish Singh, **Fiifi Amoako Johnson**, Sabu S. Padmadas (2022). Spatial heterogeneity in son preference across India's 640 districts: An application of small-area estimation. *Demographic Research*. <https://doi.org/10.4054/demres.2022.47.26>
13. **Fiifi Amoako Johnson** (2022). Spatiotemporal clustering and correlates of childhood stunting in Ghana: Analysis of the fixed and nonlinear associative effects of socio-demographic and socio-ecological factors. *PLoS ONE*. <https://doi.org/10.1371/journal.pone.0263726>
14. Md Sarwar Hossain, Jorge Ramirez, Sylvia Szabo, Felix Eigenbrod, **Fiifi Amoako Johnson**, Chinwe Ifejika Speranza, John A Dearing (2020). Participatory modelling for conceptualizing social-ecological system dynamics in the Bangladesh delta. *Regional Environmental Change*. <https://doi.org/10.1007/s10113-020-01599-5>
15. Tristan Berchoux, Gary R. Watmough, **Fiifi Amoako Johnson**, Craig W. Hutton, Peter M. Atkinson (2019). Collective influence of household and community capitals on agricultural employment as a measure of rural poverty in the Mahanadi Delta, India. *AMBIO*. <https://doi.org/10.1007/s13280-019-01150-9>
16. **Fiifi Amoako Johnson**, Mumuni Abu, Chigozie Edson Utazi (2019). Geospatial correlates of early marriage and union formation in Ghana. *PLoS ONE*. <https://doi.org/10.1371/journal.pone.0223296>
17. **Fiifi Amoako Johnson** (2018). A Geospatial Analysis of the Social. *Ecosystem Services for Well-Being in Deltas: Integrated Assessment for Policy Analysis*. <https://books.google.com/books?hl=en&lr=&id=O9ldDwAAQBAJ&oi=fnd&pg=PA383&dq=info:mkiW6ZIP1GgJ:scholar.google.com&ots=6J8PU8cZ97&sig=NGVEYcoNwOAFdghDsVEAb9A7Erc>
18. **Fiifi Amoako Johnson** (2018). Spatiotemporal variations in rainfall and temperature in Ghana over the twentieth century, 1900–2014. *Earth and Space Science*. <https://doi.org/10.1002/2017ea000327>
19. **Fiifi Amoako Johnson** (2018). Tracking progress towards the Madrid International Plan of Action on Ageing (MIPAA) in east and southern Africa: Milestones and challenges. *International Journal on Ageing in Developing Countries*. <https://researchportal.port.ac.uk/en/publications/tracking-progress-towards-the-madrid-international-plan-of-action/>
20. **Fiifi Amoako Johnson** (2017). Operationalizing safe operating space for regional social-ecological systems. *Science of the Total Environment*. <https://www.sciencedirect.com/science/article/pii/S0048969717301067>
21. **Fiifi Amoako Johnson** (2017). Unravelling the interrelationships between ecosystem services and human wellbeing in the Bangladesh delta. *International Journal of Sustainable Development & World Ecology*. <https://doi.org/10.1080/13504509.2016.1182087>
22. **Fiifi Amoako Johnson** (2016). A geospatial analysis of the impacts of maternity care fee payment policies on the uptake of skilled birth care in Ghana. *BMC pregnancy and childbirth*. <https://doi.org/10.5555/20163108914>
23. **Fiifi Amoako Johnson** (2016). Is shrimp farming a successful adaptation to salinity intrusion? A geospatial associative analysis of poverty in the populous Ganges–Brahmaputra–Meghna Delta of Bangladesh. *Sustainability Science*. <https://doi.org/10.1007/s11625-016-0356-6>
24. **Fiifi Amoako Johnson** (2016). Recent trends of human wellbeing in the Bangladesh delta. *Environmental Development*. <https://www.sciencedirect.com/science/article/pii/S2211464515300191>

25. Fiifi Amoako Johnson, Faustina Frempong-Ainguah, Zoe Matthews, Andrew J. P. Harfoot, Philomena Nyarko, Angela Baschieri, Peter W. Gething, Jane Falkingham, Peter M. Atkinson (2015). Evaluating the Impact of the Community-Based Health Planning and Services Initiative on Uptake of Skilled Birth Care in Ghana. *PLoS ONE*. <https://doi.org/10.1371/journal.pone.0120556>
26. Fiifi Amoako Johnson (2015). Infrastructural challenges to better health in maternity facilities in rural Kenya: community and healthworker perceptions. *Reproductive health*. <https://doi.org/10.1186/s12978-015-0078-8>
27. Fiifi Amoako Johnson (2015). The geography of maternal and newborn health: the state of the art. *International journal of health geographics*. <https://doi.org/10.1186/s12942-015-0012-x>
28. Fiifi Amoako Johnson, Faustina Frempong-Ainguah, Sabu S Padmadas (2015). Two decades of maternity care fee exemption policies in Ghana: have they benefited the poor? *Health Policy and Planning*. <https://doi.org/10.1093/heapol/czv017>
29. Fiifi Amoako Johnson (2014). Dependence on agriculture and ecosystem services for livelihood in Northeast India and Bhutan: vulnerability to climate change in the Tropical River Basins of the Upper Brahmaputra. *Climatic change*. <https://doi.org/10.1007/s10584-012-0573-7>
30. Fiifi Amoako Johnson (2014). Do mobile family planning clinics facilitate vasectomy use in Nepal? *Contraception*. <https://www.sciencedirect.com/science/article/pii/S0010782414000298>
31. Fiifi Amoako Johnson (2013). Are women deciding against home births in low and middle income countries? *PLoS One*. <https://doi.org/10.1371/journal.pone.0065527>
32. Nicodemus Osei Owusu, Bernard Baffour-Awuah, Fiifi Amoako Johnson, John Mohan, Nyovani J. Madise (2013). Examining intersectoral integration for malaria control programmes in an urban and a rural district in Ghana: a multinomial multilevel analysis. *International Journal of Integrated Care*. <https://doi.org/10.5334/ijic.1061>
33. Fiifi Amoako Johnson (2012). Estimating unmet need for contraception by district within Ghana: an application of small-area estimation techniques. *Population studies*. <https://doi.org/10.1080/00324728.2012.678585>
34. Peter W Gething, Fiifi Amoako Johnson, Faustina Frempong-Ainguah, Philomena Nyarko, Angela Baschieri, Patrick Aboagye, Jane Falkingham, Zoe Matthews, Peter M Atkinson (2012). Geographical access to care at birth in Ghana: a barrier to safe motherhood. *BMC Public Health*. <https://doi.org/10.1186/1471-2458-12-991>
35. Fiifi A Johnson (2012). Socio-economic inequalities in the use of postnatal care in India. *PloS one*. <https://doi.org/10.1371/journal.pone.0037037>
36. Fiifi Amoako Johnson (2012). The Socio-Environmental Vulnerability Assessment Approach to Mapping Vulnerability to Climate. *Solutions to Climate Change Challenges in the Built Environment*. <https://books.google.com/books?hl=en&lr=&id=YL5PZ4ySmjKC&oi=fnd&pg=PA283&dq=info:G9YDWJF5oTYJ:scholar.google.com&ots=ATmclG-PKZ&sig=KYhRfFkWxlughqgich6Y5JjPITOk>
37. Fiifi Amoako Johnson (2011). Targeting women at risk of unintended pregnancy in Ghana: Should geography matter? *Sexual & Reproductive Healthcare*. <https://www.sciencedirect.com/science/article/pii/S1877575610000765>
38. Fiifi Amoako Johnson (2011). Vulnerability to climate change: people, place and exposure to hazard. *Advances in Science and Research*. <https://asr.copernicus.org/articles/7/37/2011/>
39. Fiifi Amoako Johnson (2010). District-level estimates of institutional births in Ghana: Application of small area estimation technique using census and DHS data. *Journal of Official Statistics*. <https://www.scb.se/contentassets/ca21efb41fee47d293bbee5bf7be7fb3/district-level-estimates-of-institutional-births-in-ghana-application-of-small-area-estimation-technique-using-census-and-dhs-data.pdf>
40. F Amoako Johnson (2010). Estimating district-level births attended by skilled attendants in Ghana using demographic health survey and census data: An application of small area estimation technique. *Journal of Official Statistics*. <https://scholar.google.com/scholar?cluster=9039379907694815554&hl=en&oi=scholar>
41. Fiifi Amoako Johnson (2010). Hazard, vulnerability and risk on the Brahmaputra basin: a case study of

river bank erosion. *Open Journal of Hydrology*. <https://eprints.soton.ac.uk/156653/>

42. Fiifi Amoako Johnson (2010). Orphanhood and vulnerability: a conduit to poor child health outcomes in Rwanda. *AIDS care*. <https://doi.org/10.1080/09540120903193682>
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45. F Amoako Johnson (2009). Modelling socio-economic vulnerability to floods: Comparison of methods developed for European and Asian case studies. *Sustainable Development—a Challenge for European Research, Brussels*. https://www.researchgate.net/profile/Stefan-Lang-16/publication/242092392_Modelling_socio-economic_vulnerability_to_floods_Comparison_of_methods_developed_for_European_and_Asian_case_studies/links/0a85e53355e9f34aa5000000/Modelling-socio-economic-vulnerability-to-floods-Comparison-of-methods-developed-for-European-and-Asian-case-studies.pdf
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49. F Johnson (1989). Characterization of macroscopic defects in silicon after processing for CMOS and bipolar circuits. *Materials Science and Engineering: B*. <https://www.sciencedirect.com/science/article/pii/0921510789902730>
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51. F Johnson (1988). Characterisation of Defects in Silicon by Transmission Electron Microscopy after CMOS and Bipolar Processing. *MRS Online Proceedings Library (OPL)*. <https://www.cambridge.org/core/journals/mrs-online-proceedings-library-archive/article/characterisaticn-of-defects-in-silicon-by-transmission-electron-microscopy-after-cmos-and-bipolar-processing/4935FF191C2ECF9518DE8EAC96E84C1E>
52. FA Johnson (1977). Chemoprophylaxis of malaria. *British Medical Journal*. <https://pmc.ncbi.nlm.nih.gov/articles/PMC1607227/>

Book chapters 5

1. Chris Hill, Frances Dunn, Anisul Haque, Fiifi Amoako-Johnson, Robert J. Nicholls, Pokkuluri Venkat Raju, Kwasi Appeaning Addo (2019). Hotspots of Present and Future Risk Within Deltas: Hazards, Exposure and Vulnerability. https://doi.org/10.1007/978-3-030-23517-8_6
2. Fiifi Amoako Johnson (2018). A geospatial analysis of the social, economic and environmental dimensions and drivers of poverty in south-west coastal Bangladesh. *Ecosystem services for well-being in deltas: integrated assessment for policy analysis*. <https://library.oapen.org/bitstream/handle/20.500.12657/27910/1002089.pdf?sequence=1#page=411>
3. Fiifi Amoako Johnson (2018). Integrative analysis applying the Delta Dynamic Integrated Emulator Model in south-west coastal Bangladesh. *Ecosystem Services for Well-Being in Deltas: Integrated Assessment for Policy Analysis*. <https://library.oapen.org/bitstream/handle/20.500.12657/27910/1/1002089.pdf#page=546>

4. Fiifi Amoako Johnson (2018). Land cover and land use analysis in coastal Bangladesh. *Ecosystem services for well-being in deltas: Integrated assessment for policy analysis*. <https://library.oapen.org/bitstream/handle/20.500.12657/27910/1002089.pdf?sequence=1#page=396>
5. Fiifi Amoako Johnson (2015). Vulnerability assessment and scenarios. *Applied Geoinformatics for Sustainable Integrated Land and Water Resources Management (ILWRM) in the Brahmaputra River basin: Results from the EC-project BRAHMATWINN*. https://doi.org/10.1007/978-81-322-1967-5_10

Reports 16

1. Fiifi Amoako Johnson (2020). Deltas in the Anthropocene. *Springer Nature*. <https://library.oapen.org/handle/20.500.12657/22862>
2. Fiifi Amoako Johnson (2018). Ecosystem services for well-being in deltas: integrated assessment for policy analysis. *Springer Nature*. <https://library.oapen.org/bitstream/handle/20.500.12657/27910/1/1002089.pdf>
3. Fiifi Amoako Johnson (2015). Applied geoinformatics for sustainable integrated land and water resources management (ILWRM) in the Brahmaputra River basin. *Springer India*.. <https://doi.org/10.1007/978-81-322-1967-5>
4. Fiifi Amoako Johnson (2014). Modelling socio-economic vulnerability to floods: comparison of methods developed for European and Asian case studies. *University of Southampton*. <https://eprints.soton.ac.uk/373967/>
5. Fiifi Amoako Johnson (2012). Solutions for climate change challenges in the built environment. *John Wiley & Sons*. https://books.google.com/books?hl=en&lr=&id=fVcPOU215S4C&oi=fnd&pg=PR15&dq=info:13q7C2ez_psj:scholar.google.com&ots=8enzN80vZa&sig=Zi7F-t7DnmJLqReNP0QmbtDbGY0
6. Philomena E. Nyarko, Fiifi Amoako-Johnson, Peter Atkinson, Faustina Nii-Amoo Frempong-Ainguah, Francis Doodoo, Jane C. Falkingham, Peter Gething, Matthews Zoe (2010). Evaluating the Impact of the Community-Based Health Planning and Services Initiative on Uptake of Skilled Birth Care in Ghana. <https://doi.org/10.35648/20.500.12413/11781/ii113>
7. F Amoako-Johnson (2010). Too far to walk: callibrating distances to maternity health facilities for women delivering in Ghana using GIS. *The Institute of Development Studies and Partner Organisations*. https://opendocs.ids.ac.uk/articles/conference_contribution/Too_far_to_walk_callibrating_distances_to_maternity_health_facilities_for_women_delivering_in_Ghana_using_GIS/26471830
8. Fiifi Amoako Johnson (2008). Informe sobre la salud en el mundo 2008: La atención primaria de salud, más necesaria que nunca. *Organización Mundial de la Salud*. <https://iris.who.int/bitstreams/98118dbc-25da-4bd3-8019-9e37548f17c0/download>
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11. Fiifi Amoako Johnson (2007). World and regional trends in labour force participation: Methodologies and key results. *International Labour Office*. https://researchrepository.ilo.org/esploro/fulltext/encyclopediaEntry/World-and-regional-trends-in-labour/995271907602676?repld=12115044500002676&mld=13115039210002676&institution=41ILO_INST
12. Fiifi Amoako Johnson (2006). 2006 South-East Asia poverty mapping sssessment. report to Food and Agriculture Organisation (FAO) of the United Nations Rome. *Food and Agriculture Organisation (FAO) of the United Nations Rome*. <https://eprints.soton.ac.uk/79245/>
13. Fiifi Amoako Johnson (2005). Emergency triage assessment and treatment (ETAT): package: manual of participants and facilitator guide. *World Health Organization*. https://books.google.com/books?hl=en&lr=&id=FLlqX0bfpq4C&oi=fnd&pg=PR1&dq=info:T_uh5crZB6YJ:scholar.google.com&ots=p00a_7kwc1&sig=f1R2ZFW4MN3QELj-VzAViEH2e0

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15. **F Amoako Johnson** (2005). Socioeconomic and health determinants of maternal, newborn and child mortality. *University of Southampton*. <https://eprints.soton.ac.uk/79246/>
16. **Fiifi Amoako Johnson** (2005). The World health report: 2005: make every mother and child count. *World Health Organization*. <https://iris.who.int/bitstreams/f20eb1c5-e257-4f6b-b91b-62ab2ac3901c/download>

Theses 1

1. **Fiifi Amoako Johnson** (2006). Spatial inequalities in pregnancy planning and delivery care uptake in Ghana: multilevel and small area analysis. *University of Southampton*. <https://eprints.soton.ac.uk/465890/>