Josiah Wilson Tachie-menson

Senior Lecturer · Crop Science
University of Cape Coast

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RESEARCH

Interests: Weed Science/Biometry/Agronomy

Areas: Plant Science · Ecology, Evolution, Behavior and Systematics · Molecular Biology · Agronomy and Crop Science · Insect Science · Nature and Landscape Conservation

RESEARCH SUMMARY

15	96	5	3	0.61	0%
Publications	Citations	h-index	i10-index	Field-weighted impact	World top 10%

Counted from the 15 publications listed below, 2011–2026. 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. 0 of the 12 papers scored for it are among the world's most cited tenth for their field, type and year.

POSITIONS

Senior Lecturer
DEPARTMENT OF CROP SCIENCE, University of Cape Coast, Cape Coast, Ghana

PUBLICATIONS

Journal articles 14

1. **Josiah W. Tachie-Menson**, Emmanuel Datsomor, Grace van der Puije, Bless Adjorlolo, Seth G. T. Lartey, Emmanuel O. Adu, Alexander Weremfo (2026). Bio-herbicidal potential of extracts from allelopathic plants against the emergence of multi-species weed seed bank in Ghana. *Advances in Weed Science*. https://doi.org/10.51694/advweedsci/2026;44:0005
2. Doris Mensah-Wonkyi, Wilfred Elegba, Emmanuel Ogyiri Adu, Andrew Sarkodie Appiah, Rosemary Kusi-Adjei, Elvis Asare-Bediako, Grace. C. van der Puije, Joshua Yeboah Asiamah, Asamoah Oppong Zadok, Kofi Afari, **Josiah Wilson Tachie-Menson**, Aaron Tettey Asare (2026). Prevalence of Cassava Mosaic Geminiviruses in the Volta Region of Ghana. *The Open Agriculture Journal*. https://doi.org/10.2174/0118743315450389260319070029
3. Frank Ackah, Elijah Eduful, Emmanuel Afutu, **Josiah Tachie-Menson**, Ransford Darko (2026). Water stress and its synergistic effects on pest and disease dynamics in smallholder irrigated agriculture: Evidence from central region of Ghana. *Poljoprivredna tehnika*. https://doi.org/10.5937/poljteh2601074k
4. **JW Tachie-Menson**, EO Adu, GST Lartey, E Gyamera, SE Akorli, E Arko, V Kanyelvilaa, S Akaba (2025). Effects of Maize Substitution with Cassava Flour in Broiler Diets on Carcass Quality and Meat Characteristics of Broiler Chicken. *African Journal of Food Agriculture Nutrition and Development*. https://doi.org/10.18697/ajfand.144.25095
5. **Josiah Wilson Tachie-Menson**, Catherine Owusu, Frederick Kwame Yeboah, Flavio Odoi-Yorke, Agnes Abeley Abbey, Frank Kwekucher Ackah, Ransford Opoku Darko (2025). Environmental impact of pesticide runoff in irrigated agriculture: evidence from Gomoa West field, Ghana. *Discover Environment*. https://doi.org/10.1007/s44274-025-00268-w
6. Francis Gbefo, Kingsley Joseph Taah, **Josiah Wilson Tachie-Menson**, Bright Salah Freduah, Phanuel Klogo (2025). Exploring the impact of climate change on selected local rice genotypes in the Coastal Savannah

agroecological zone of Ghana. *Climate Change*. https://doi.org/10.54905/disssi.v11i29.e5cc1061

7. **J.W. Tachie-Menson**, J.N. Buah, M.O. Adu, E. Afutu (2021). Morphological diversity in purple nutsedge from four agro-ecological zones in Ghana. *Heliyon*. https://doi.org/10.1016/j.heliyon.2021.e07661
8. Joshua Yeboah Asiamah, **Josiah Wilson Tachie-Menson**, Daniel Sakyi Agyirifo, Rosemary Agbeko, Frank Essem (2020). PESTICIDES; A NECESSARY EVIL IN THE AGRICULTURAL VALUE CHAIN- A REVIEW. *STED JOURNAL*. https://doi.org/10.7251/sted2002053y
9. Michael O. Adu, Paul A. Asare, David O. Yawson, Mishael A. Nyarko, Ahmed Abdul Razak, Amoah K. Kusi, **Josiah W. Tachie-Menson**, Emmanuel Afutu, Dick A. Andoh, Frank K. Ackah, Grace C. Vanderpuije, Kingsley J. Taah, Elvis Asare-Bediako, Godwin Amenorpe (2020). The search for yield predictors for mature field-grown plants from juvenile pot-grown cassava (Manihot esculenta Crantz). *PLoS ONE*. https://doi.org/10.1371/journal.pone.0232595
10. Michael O. Adu, Paul A. Asare, David O. Yawson, Daniel K. Dzidzienyo, Daniel Nyadanu, Elvis Asare-Bediako, Emmanuel Afutu, **Josiah W. Tachie-Menson**, Mishael N. Amoah (2018). Identifying key contributing root system traits to genetic diversity in field-grown cowpea (Vigna unguiculata L. Walp.) genotypes. *Field Crops Research*. https://doi.org/10.1016/j.fcr.2018.12.015
11. **JW Tachie-Menson**, J Sarkodie-Addo, AG Carlson (2015). Assessment of the impact of some common weed management methods on the growth and yield of pineapples in Ghana. *Journal of Science and Technology (Ghana)*. https://doi.org/10.4314/just.v34i3.1
12. **JW Tachie-Menson**, J Sarkodie-Addo, AG Carlson (2015). Effects of weed management on the prevalence of pink pineapple mealybugs in Ghana. *Journal of Science and Technology (Ghana)*. https://doi.org/10.4314/just.v34i2.3
13. JN Buah, **JW Tachie-Menson** (2015). Suitability of bud manipulation technique as an alternative to tissue culture in the production of suckers for plantains and bananas. *Biotechnology*. https://doi.org/10.5555/20153137516
14. JN Buah, **JW Tachie Menson**, P Asare (2011). Sugarcane juice as an alternative carbon source for in vitro culture of plantains and bananas. *American Journal of Food Technology*. https://www.academia.edu/download/52996372/In_vitro_culture_sugar_cane.pdf

Theses 1

1. **Josiah Wilson Tachie-Menson** (2016). Morphological characterization and population dynamics of Cyperus rotundus L. in vegetable fields of southern Ghana. *University of Cape Coast*. https://ir.ucc.edu.gh/items/571980cd-fbcd-499a-8a4f-d0dbf3e681c4