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RESEARCH

Interests	Homogenization Theory · Fixed Point Theorems · Functional Analysis
Areas	Public Health, Environmental and Occupational Health · Economics and Econometrics · Modeling and Simulation · Computer Networks and Communications · Ecology · Epidemiology

RESEARCH SUMMARY

10	39	3	1	1.84	38%
Publications	Citations	h-index	i10-index	Field-weighted impact	World top 10%

Counted from the 10 publications listed below, 2020–2026. Field-weighted impact is the mean over the 8 works scored for it; 1.00 is the world average for works of the same field, type and year. 3 of the 8 papers scored for it are among the world's most cited tenth for their field, type and year.

PUBLICATIONS

Journal articles 9

1. M. Anokye, L. Guerrini, M. Ferrara, **Albert L. Sackitey**, Agnes A. Konadu (2026). Stability and Bifurcation in a Delayed Predator–Prey Model with Environmental Stress and Dynamic Carrying Capacity. *Differential Equations and Dynamical Systems*. https://doi.org/10.1007/s12591-026-00765-1
2. Agnes Adom-Konadu, **Albert Lanor Sackitey**, Joshua Kiddy K. Asamoah, Martin Anokye, Emmanuel Donkor (2025). Analyzing the impact of prevention strategies of a fractional order malaria model using Adam–Bashforth approach. *Franklin Open*. https://doi.org/10.1016/j.fraope.2025.100277
3. M. Anokye, **A. L. Sackitey**, Agnes Adom-Konadu, Samuel E. Assabil, Luca Guerrini, M. F. Ofori, Massimiliano Ferrara (2025). Behavioral Cobweb Dynamics With Anticipatory Inventory and Ulam Stability: An Integro-Differential Approach. *Mathematical Methods in the Applied Sciences*. https://doi.org/10.1002/mma.70264
4. Martin Anokye, Sampson Z. Nkangbi, Agnes A. Konadu, **Albert L. Sackitey**, John A. Mensah, Luca Guerrini, Massimiliano Ferrara (2025). Stability analysis of a delay logistic growth model with nonlinear harvesting. *Quality & Quantity*. https://doi.org/10.1007/s11135-025-02203-w
5. Luca Guerrini, Martin Anokye, **Albert L. Sackitey**, John Amoah-Mensah (2024). Dynamics of a Price Adjustment Model with Distributed Delay. *Mathematics*. https://doi.org/10.3390/math12203220
6. Martin Anokye, Luca Guerrini, **Albert L. Sackitey**, Samuel E. Assabil, Henry Amankwah (2024). Stability Analysis of a Credit Risk Contagion Model with Distributed Delay. *Axioms*. https://doi.org/10.3390/axioms13070483
7. Agnes Adom-Konadu, Ebenezer Bonyah, **Albert Lanor Sackitey**, Martin Anokye, Joshua Kiddy K. Asamoah (2023). A fractional order Monkeypox model with protected travelers using the fixed point theorem and Newton polynomial interpolation. *Healthcare Analytics*. https://doi.org/10.1016/j.health.2023.100191
8. Michael O. Opoku, Eric N. Wiah, Eric Okyere, **Albert L. Sackitey**, Emmanuel K. Essel, Stephen E. Moore (2023). Stability Analysis of Caputo Fractional Order Viral Dynamics of Hepatitis B Cellular Infection. *Mathematical and Computational Applications*. https://doi.org/10.3390/mca28010024
9. Martin Anokye, Agnes Adom-Konadu, **AL Sackitey** (2022). Delay Logistic Model with Harvesting on Weighted Average Population. *Advances in Dynamical Systems and Applications (ADSA)*. https://

scholar.google.com/scholar?cluster=15789293195350432094&hl=en&oi=scholarr

Theses 1

1. **Albert Lanor Sackitey** (2020). Homogenization of elliptic equations in periodic domains: The case of elliptic equations of the curl type. *University of Cape Coast*. https://ir.ucc.edu.gh/server/api/core/bitstreams/6abb3ce8-c1c6-4ade-9c35-e4995e1897a4/content