



## Editorial

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### Welcome message from the Editor-in-Chief

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Welcome to the April 2026 issue of Health Sciences Investigations Journal (Volume 8, Issue 2). This edition follows the recent publication of our previous issue in March 2026 (Volume 8, Issue 1). The journal continues to receive a substantial volume of manuscript submissions, and we remain committed to publishing issues in succession to enable timely dissemination of research while reassuring our authors of our dedication to rapid publication.

This issue opens with a perspective by Obeng-Nkrumah, Labi, and Opintan, who examine the role of municipal and environmental water systems as potential reservoirs and conduits for the horizontal transmission of antimicrobial resistance—a critical public health concern warranting immediate academic and policy discourse. The edition further presents a collection of

original investigations spanning clinical and diagnostic innovations, pharmacology and anthropometry, and the evaluation of evidence-based interventions addressing critical challenges in global health. In clinical diagnostics, Adankwah et al. evaluate the diagnostic utility of touch imprint cytology as an alternative to frozen section analysis. Their findings suggest that this technique provides a high-accuracy, cost-effective diagnostic pathway for malignancy in resource-constrained surgical settings. Yangnemenga et al. provide a critical assessment of current typhoid diagnostic protocols, highlighting significant variations in test sensitivity and the subsequent implications for clinical management.

In experimental research, Asiamah et al. investigate the hepatoprotective effects of unsweetened Theobroma cacao powder in ethanol-fed rats, demonstrating attenuation of oxidative stress and preservation of hepatic function. Abdulai et al. evaluate the agreement between ulna length-predicted height and stadiometer-measured height in Ghanaian adults, showing that existing equations significantly overestimate height and may lead to clinical misclassification. This issue also documents milestones in research infrastructure. Adjei et al. provide an institutional review of the Noguchi Memorial Institute for Medical Research Laboratory Animal Facility, tracing twenty-five years of development in standardized animal models for biomedical research. Irham et al. contribute to the understanding of infectious disease susceptibility through a cross-continental genomic analysis of host genetic markers associated with tuberculosis progression.

The authors extend sincere gratitude to all contributors, reviewers, and the University of Ghana College of Health Sciences for their continued support of the journal. We trust that readers will find this edition both informative and inspiring as we collectively advance the frontiers of health sciences research

*Thank You*

#### About the Editor-in-Chief

Rev. Prof. Benjamin Arko-Boham is a biomedical scientist and faculty member of the Department of Anatomy at the University of Ghana Medical School and a fellow of the West African College of Morphologists. His research focuses on cancer biology, genetics, and molecular mechanisms of disease, with a particular emphasis on breast cancer in African populations. He publishes widely, mentors emerging scholars, and contributes to strengthening biomedical research capacity in Ghana and the wider region. As Editor-in-Chief of Health Sciences Investigations Journal, he provides editorial leadership and vision, ensuring the journal remains a trusted platform for advancing health sciences scholarship.

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