

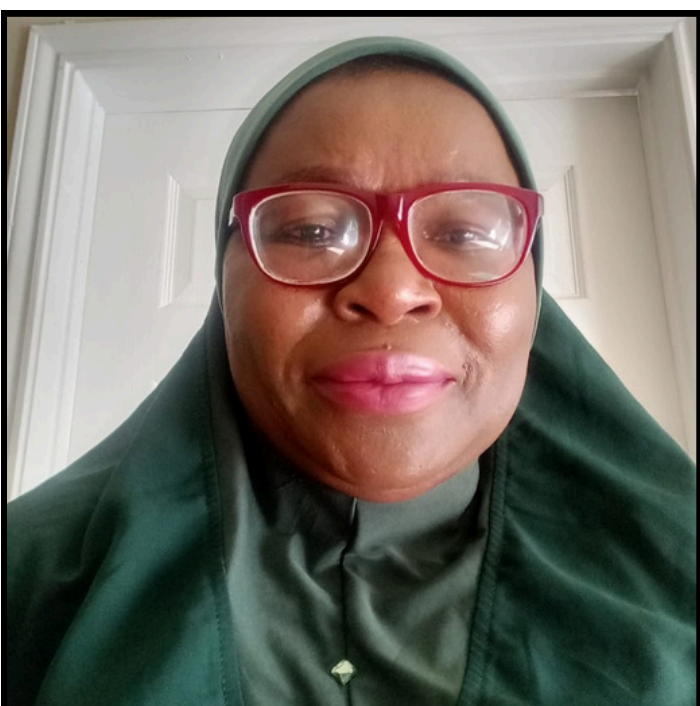
V2V THEMATIC WEBINAR SERIES 2026

Invasive Aquatic Weeds, Climate Change and Governance Vulnerabilities: Transitions to Viability in Small-Scale Fisheries of Lagos State, Nigeria

Nigeria's small-scale fisheries are increasingly exposed to environmental stressors, especially invasive aquatic weeds such as water hyacinth (*Pontederia crassipes*) and Sargassum (*Sargassum* spp.), alongside governance weaknesses and climate change. Using a mixed-methods approach, the study examined vulnerability and transition pathways in eight Badagry fishing communities, where all respondents reported significant impacts of aquatic weeds on fishing activities. Despite these pressures, fishers remain unaware of the potential beneficial uses of the weeds. Climate data from Badagry and Lekki produced a vulnerability index of 0.66 (consistency ratio 0.06), indicating high climate-change sensitivity among Lagos fishers. Ecological comparisons showed significantly higher Net Primary Productivity and Chlorophyll in Badagry than in Lekki. Governance analysis revealed a blend of hierarchical and co-governance systems, though co-management remains weak due to limited social cohesion. Overall, the findings highlight the need for integrated ecological, governance, and livelihood strategies to strengthen the viability of Lagos small-scale fisheries.

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V2V COUNTRY CASE STUDIES IN FOCUS: NIGERIA



DR. KAFAYAT A. FAKOYA

Kafayat Adetoun Fakoya is an Associate Professor in the Department of Fisheries at Lagos State University and the Executive Secretary of the Gender in Aquaculture and Fisheries Section (GAFS). Her research focuses on social and ecological issues in small-scale fisheries and aquaculture, including fisheries biology, food security, and gender. She promotes participatory action research and the integration of local and scientific knowledge for better decision-making. Read more about Dr. Kafayat [here](#).

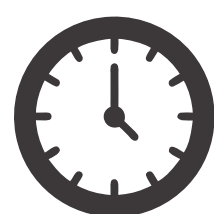
SPEAKERS

Dr. Akintola Shehu Latunji is a Professor of Fisheries at Lagos State University and the Dean of the Faculty of Science. A former Head of the Fisheries Department, he serves as Coordinator of the Science Programme and Chairman of the Nomadic Education Research Group. He works in close collaboration with international and regional organisations such as the FAO, WorldFish, and the Fisheries Committee for West Central Gulf of Guinea (FCWC). His research focuses on fisheries ecology and governance, aquaculture, food security, climate-smart fish preservation, and small-scale fisheries sustainability. Read more about Dr. Shehu [here](#).

DR. SHEHU L. AKINTOLA



27 MAR 2026



12:00 PM UTC to 1:15 PM UTC
8:00 AM EDT to 9:15 AM EDT



<https://www.youtube.com/live/7S4Je3OKQAE?si=eybEs6rggUvfGdDJ>

