Analysis of Climate-Resilient Infrastructure Design for Urban Drainage Systems in Coastal Ghana in Ghana: An African Perspective

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Abstract

This study addresses a current research gap in Engineering concerning Climate-Resilient Infrastructure Design for Urban Drainage Systems in Coastal Ghana in Ghana. The objective is to clarify key debates, identify practical implications, and outline a focused agenda for scholarship and policy. A qualitative approach was used, drawing on recent literature and policy sources to frame the analysis. The analysis indicates persistent structural constraints alongside emerging local innovations; however, evidence remains uneven across contexts and sectors. The paper argues for context-specific approaches and stronger empirical foundations in future research. Stakeholders should prioritise inclusive, locally grounded strategies and improve data transparency. Climate-Resilient Infrastructure Design for Urban Drainage Systems in Coastal Ghana, Ghana, Africa, Engineering, protocol This structured abstract provides a standardised summary to support rapid screening, indexing, and assessment of scholarly contribution.

Keywords: *Climate-Resilient Infrastructure Design for Urban Drainage Systems in Coastal Ghana, Ghana, Africa, Engineering*

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