


# Chapter 4

## Effect of Research Integrity Challenges on Ethical Compliance Mediating Role of Bureaucratic Barriers in Research Management in the Horn of Africa

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### **ABSTRACT**

*This chapter investigates the influence of the problems of the integrity of research on ethical correspondence in the context of research management in Africa, emphasizing the intermediary role of bureaucratic barriers. Using the sample size of 385 researchers in various institutions, we used the Kaiser-Meyer-Lkin (KMO) test to*

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*evaluate the adequacy of our sample for factor analysis, reaching the KMO value indicating the adequacy of a good sample. Confirmatory Factor Analysis (CFA) was conducted using AMOS software to validate the measurement model, demonstrating solid construct validity and reliability of the variables involved. Subsequently, Structural Equation Modeling (SEM) was applied to explore the relationships among research integrity challenges, ethical compliance, and bureaucratic barriers. The results show that bureaucratic barriers considerably line up the relationship between the problems of research integrity and ethical correspondence, revealing that increased problems of integrity exacerbate bureaucratic obstacles, thus reducing ethical engagement.*

## **INTRODUCTION**

The emphasized global academic environment requires research integrity to achieve reliable scientific results (Zhaksylyk et al., 2023). Research-based solutions to social problems like climate change and public health and social justice place increased importance on ethical research practices in global society (Bain et al., 2022). The need to establish trust in academic outcomes developed research integrity through three primary aspects of the research process that include integrity as well as transparency and accountability. Multiple hurdles to research researches emerge from empirical investigations although these barriers primarily affect developing regions. Ethical research failures happen mainly because researchers lack sufficient training and face resource constraints and institutional demands according to research findings (Eitrem et al., 2024). Bureaucratic barriers involving various regulations and administrative inefficiencies and ethical guideline confusion have proven to intensify integrity challenges which degrade researcher ethical compliance (Asiri et al., 2024). The extensive body of research does not adequately explain how bureaucratic barriers create a connection between research integrity and ethical response problems particularly in Horn of Africa regions (Scott, 2021). The objective of this chapter is to solve previous research deficits by studying intricate game elements and furnish intelligence for forthcoming assessments and political interventions (Zhaksylyk et al., 2023).

The central question leading this research: *how does the question of research integrity affect ethical compliance and what role does a bureaucratic barrier play in these relationships in Africa?* The research assesses practical researcher challenges to provide policy recommendations along with guidance for institutional leaders which create a stronger research environment. The investigation adds to academic literature and provides direction for researcher and stakeholder groups who aim to strengthen ethical research practice standards.

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