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**UNIVERSITY**

ILISHAN-REMO, OGUN STATE, NIGERIA

# COLLEGE OF POSTGRADUATE STUDIES

## 2022/2023 PhD Thesis Abstract

### Department of Information Resources Management

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**RT:** Attitudinal, Institutional and Social Factors as Determinants of Adoption and Usage of Open Access Publishing by Researchers in Nigeria

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**AB:** Researchers always seek for efficient ways of communicating their ideas and research outcomes to the widest possible audience. With the emergence of the Open Access (OA) publishing, scholarly articles can be made freely available in an open access channel. It is often assumed that a wide majority of African researchers will adopt and use OA publishing because of its benefits. Nevertheless, studies have shown that researchers are reluctant to fully embrace it. While extant literature focused on the qualities and advantages of OA only, few examined the attitudinal, institutional and social factors that could influence its adoption among researchers in Nigeria. The study evaluated attitudinal, institutional and social factors as determinants of adoption and usage of open access publishing by researchers in Nigeria.

The survey research design was adopted for the study. The population consisted of 1,405 researchers who contributed articles in Nigerian journals indexed in the Directory of Open Access Journals. The Krejcie and Morgan's table was used to determine sample size of 302 researchers. Proportionate and stratified sampling technique was used to select the participants. Data were obtained through structured and validated questionnaire administered to participants by the use of Google form. Cronbach's alpha reliability coefficients for the constructs ranged from 0.84 to 0.92. A response rate of 64% was achieved. Descriptive and inferential (simple and multiple linear regression) statistics were used to analyse the data at 5% significance level.

The results revealed that attitudinal factors had significant influence on the adoption and usage of OA publishing by researchers in Nigeria ( $Adj.R^2 = 0.03$ ,  $F(1, 190) = 6.20$ ,  $p < 0.05$ ). Institutional factors had no significant influence on the adoption and usage of OA publishing by researchers in Nigeria ( $Adj.R^2 = 0.01$ ,  $F(1, 190) = 0.12$ ,  $p > 0.05$ ). Social factors did not significantly influence the adoption and usage of OA publishing by researchers in Nigeria ( $Adj.R^2 = 0.00$ ,  $F(1, 190) = 1.02$ ,  $p > 0.05$ ). Further results on attitudinal factors indicated that effort expectancy had a significant influence on adoption and usage of OA publishing ( $\beta = 0.16$ ,  $t(189) = 2.19$ ,  $p < 0.05$ ). Performance Expectancy also had a significant influence on adoption and usage of OA publishing ( $\beta = 0.13$ ,  $t(189) = 1.80$ ,  $p < 0.05$ ). However, attitude had no significant influence on adoption and usage of OA publishing ( $\beta = 0.03$ ,  $t(394)$ ,  $p > 0.05$ ).

The study concluded that attitudinal factors facilitated the adoption and usage of OA publishing by researchers in Nigeria, while institutional and social factors did not. The study recommended that the management of institutions should provide fast speed internet connectivity to facilitate easy access to OA contents. The ICT unit and the library of institutions should collaborate to proactively create user friendly interfaces to the information retrieval systems in use by researchers.

**Keywords:** Adoption of OA, Attitudinal factors, Institutional factors, Open access publishing, Social factors, Usage of OA

**Word Count:** 461

*Abbreviations: RFN: Researcher's Full Name, RD: Researcher's Department, RS: Researcher's School, RE: Researcher's Email, RAE: Researcher's Alternate Email, RP: Researcher's Phone Contact, RT: Registered Title, MS: Main Supervisor, ME: Main Supervisor's E-mail Address, SP: Main Supervisor's Phone Contact, CS: Co-Supervisor, CE: Co-Supervisor's E-mail Address, CP: Co-Supervisor's Phone Contact, AB: Abstract*

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