

**SUSTAINABLE LANDSCAPE DESIGN AND USER SATISFACTION IN  
THE DESIGN OF A SHOPPING MALL IN PORT-HARCOURT, RIVERS  
STATE, NIGERIA.**

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**JULY, 2024**

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**BY**

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**A DISSERTATION SUBMITTED TO THE SCHOOL OF  
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ARCHITECTURE, COLLEGE OF SCIENCE AND TECHNOLOGY,  
COVENANT UNIVERSITY, OTA, OGUN STATE, NIGERIA**

**JULY, 2024**

## **ACCEPTANCE**

This is to attest that this dissertation is accepted in partial fulfillment of the requirements for the award of the degree of Masters of Science(M.Sc) in the Department of Architecture, College of Science and Technology, Covenant University, Ota, Ogun State, Nigeria and has been accepted by the School of Postgraduate Studies, Covenant University, Ota, Ogun State, Nigeria.

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## **DECLARATION**

I, **TOGI BARIDO (18CA024578)**, declare that this research was carried out by me under the supervision of Dr. O.A. Fulani of the Department of Architecture, College of Science and Technology, Covenant University, Ota, Nigeria. I certify that this thesis has not been submitted elsewhere, in whole or in part, with the purpose of receiving a degree. This thesis acknowledges all sources of data and scholarly information used.

**TOGI, BARIDO**

**Signature and Date**

## **CERTIFICATION**

We, certify that this thesis titled “**SUSTAINABLE LANDSCAPE DESIGN AND USER SATISFACTION IN SHOPPING MALL ENVIRONMENTS IN PORT-HARCOURT, RIVERS STATE, NIGERIA**”, is an original work carried out by, **TOGI BARIDO (18CA024578)**, in the Department of Architecture, College of Science and Technology, Covenant University, Ota, Nigeria, under the supervision of Dr. O.A Fulani. I have examined and found this work acceptable as part of the requirement for the award of the degree of Master of Science (M.sc Hons) in Architecture.

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## **DEDICATION**

This study is dedicated to the Almighty God, who bestows all strength and understanding on everyone in the world via His immeasurable mercies.

## **ACKNOWLEDGEMENTS**

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## ABSTRACT

Sustainability has advanced over the past few years, into more than just a term to an entire societal concept and norm. Sustainability in more modern times has been widely incorporated into more than just how energy and normal activities are carried out, but also into architecture and the building industry as a whole. In order to bridge the gap in literature on the relationship between sustainable landscape strategies and its impact on user-satisfaction. This study investigates sustainable landscape design strategies and how these strategies influence user satisfaction in the design of four selected shopping malls in Port-Harcourt. This study provides insight into the various design strategies adopted by architects such as; green roofs, bioswales and rain gardens which promote sustainability in the design of shopping malls, along with the challenges with integrating these strategies. The study focuses on identifying the various sustainable landscape design features integrated in shopping mall designs and how they affect the users, also to measure the extent to which the user's satisfaction levels change as well as incorporating these findings into the design of a proposed shopping mall. The study's methodology makes use of a mixed method approach in which qualitative research approach methods were used to draw data from the field through observation tables and pictures, where by the selected shopping malls level of adoption of sustainable landscape strategies were evaluated and quantitative questionnaire approach in which questionnaires were distributed to shopping mall users to determine the level of user satisfaction within the mall in relation to the presence of sustainable landscape design strategies in the selected malls. The findings were organized into themes and presented with graphs, texts with the aid of tables and percentile rankings with the SPSS Statistics program which showed that majority of shopping mall users level of user satisfaction is influenced by the presence of sustainable landscape design strategies within the shopping malls. Based on the results, it is crucial that in the design of retail centers, the users satisfaction level is considered and the implementation of sustainable landscape design strategies should be integrated from the onset of the design process. This study will also serve as a useful reference material for building professionals, students, and researchers to consult and build upon.

***Keywords: Shopping mall, Sustainable landscape design strategies, Sustainability, Sustainable Development Goals(SDG)***