

PDF - DETERMINATION OF ANTI-OXIDANT, NUTRITIONAL AND ANTI-NUTRITIONAL COMPOSITION OF *Garcinia kola* AND *Chrysophyllum albidum* FROM RAINFOREST ECOSYSTEM OF ONDO STATE -

researchcub.info Significance of the Study

1:8 Justification of the Study

1:9 Scope of the Study

1:10 Definition of Terms

Chapter 2

Literature Review

2:0 Introduction

2:1 Conceptual Clarification

2:2 Theoretical Framework

2:3 Literatures on the Subject Matter

Chapter 3

Research Methodology

3:0 Area of Study

3:1 Source of Data

3:2 Sampling Techniques

3:3 Method Data Collection

3:4 Method of Data Analysis

3:5 Reliability of Instrument

3:6 Validity of Instrument

3:7 Limitations of the Study

Chapter 4

Data Analysis

4:0 Introduction

4:1 Finding of the Study

4:2 Discussion of the Study

4:3 Summary

Chapter 5

Summary, Conclusion and Recommendation

5:0 Summary of Findings

5:1 Conclusion

5:2 Recommendations

5:3 Proposal for Further Studies

ABSTRACT

This study was undertaken to determine the anti-oxidant, nutritional and anti-nutritional composition of *Garcinia kola* and *Chrysophyllum albidum* from rainforest ecosystem of Ondo state, Nigeria. The anti-oxidant analysis was performed for seed kernel, fruit pulp, fruit skin and the whole fruit of *Chrysophyllum albidum* while nutritional and anti-nutritional composition for the species were performed for the fruit pulp and seed kernel. For *Garcinia kola* nutritional, anti-nutritional and anti-oxidant composition was performed on the seed kernel, fruit pulp and the fruit pod. Total phenol, total flavonoid, Vitamin C and 1-1, diphenyl

picaryl hydrazine (DPPH) were the anti-oxidants determined for *C. albidum* and *Garcinia kola*. Analyses for nutritional (moisture content, ash, protein content, crude fibre, fat, carbohydrate) and anti-nutritional (phytate, oxalate tannin, alkaloid, saponin, flavonoid) composition were conducted. The results showed that moisture and ash content of the fruit pulp and seed kernel of *C. albidum* were comparable; protein, fat and fibre contents were higher in the fruit pulp than in the seed kernel while carbohydrate content of the seed kernel was higher than that in the fruit pulp. For *G. kola*, the fruit pod had higher ash content than the fruit pulp and seed kernel, the fruit pulp had the highest moisture content, followed by fruit pod and lastly by the seed kernel. The protein and fat contents of the seed kernel and fruit pod were similar but higher than that of the fruit pulp. Carbohydrate content was higher in seed kernel than in the fruit pulp and fruit pod. The results of anti-nutritional analyses indicated that the seed kernel and fruit pulp of *G. kola* and *C. albidum* did not have high concentration of anti-nutrients. The fruits of the two species were found to contain good amount of anti-oxidants. Thus, the consumption of the two species is not detrimental health and they can be used as food supplements in food manufacturing.

DETERMINATION OF ANTI-OXIDANT, NUTRITIONAL AND ANTI-NUTRITIONAL COMPOSITION OF *Garcinia kola* AND *Chrysophyllum albidum* FROM RAINFOREST ECOSYSTEM OF ONDO STATE

The complete project material is available and ready for download. All what you need to do is to order for the complete material. The price for the material is NGN 3,000.00.

Make payment via bank transfer to Bank: Guaranteed Trust Bank, Account name: Emi-Aware technology, Account Number: 0424875728

Bank: Zenith Bank, Account name: Emi-Aware technology, Account Number: 1222004869

or visit the website and pay online. For more info: Visit <https://researchcub.info/payment-instruct.html>

After payment send your depositor's name, amount paid, project topic, email address or your phone number (in which instructions will sent to you to download the material) to +234 70 6329 8784 via text message/ whatsapp or Email address: info@allprojectmaterials.com.

Once payment is confirmed, the material will be sent to you immediately.

It takes 5min to 30min to confirm and send the material to you.

For more project topics and materials visit: <https://researchcub.info/> or For enquiries: info@allprojectmaterials.com or call/whatsapp: +234 70 6329 8784

Regards!!!