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SDI Review Form 1.6

Journal Name:	**European Journal of Medicinal Plants**
Manuscript Number:	**Ms_EJMP_45230**
Title of the Manuscript:	**13C NMR ANALYSIS: TERPENOIDS, STEROIDS AND CAROTENOID FROM DIOSPYROS SOUBREANA (EBENACEAE)**
Type of the Article	

General guideline for Peer Review process:

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty'**, provided the manuscript is scientifically robust and technically sound.
To know the complete guideline for Peer Review process, reviewers are requested to visit this link:

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PART 1: Review Comments

	Reviewer's comment	**Author's comment** *(if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)*
Compulsory REVISION comments	Manuscript: 13C NMR ANALYSIS: 1 TERPENOIDS, STEROIDS AND CAROTENOID FROM *DIOSPYROS SOUBREANA* (EBENACEAE) **Title suggestion:** TERPENOIDS, STEROIDS AND CAROTENOID FROM *DIOSPYROS SOUBREANA* (EBENACEAE) **Introduction:** in your introduction you present only a citation (your work). More citations and information about the family and species are welcome. **Material and Methods:** 2.2 Plant material: You wrote: " Leaves and bark of trunk of *D. soubreana* were collected in July 2014 in « Petit Yapo » forest, 59 Agboville Department, south-east of Côte d'Ivoire" Secondary metabolites represent a chemical interface between plants and surrounding environment, their syntheses are frequently affected by environmental conditions. Thus, variations in the total content and/or of the relative proportions of secondary metabolites in plants can take place. Environmental factors how seasonality, circadian rhythm, developmental stage and age, temperature, water availability, UV radiation, soil nutrients, altitude, atmospheric composition and tissue damage influence secondary metabolism. Therefore, what you can say about your plant if you consider all or part of these environmental factors ? - In other words, why July ? if you collect in December, you will detect qualitatively and quantitatively the same molecules ? - Sampling location by GPS is welcome in my opinion. You wrote: " The plant samples were identified by a botanist of Centre National de Floristique (CNF), University Félix Houphouët-Boigny of Cocody-Abidjan, where voucher specimens are deposited." - Voucher numbers ? not found in the text? **2.3 Extraction and isolation** **You wrote:** 100 g of leaves powder (DSF) were extracted by maceration with the mixture water/ethanol (70 : 30) for 24 h at room temperature. - 100g in 1 L of water/ethanol ? volume of solvent - Define "room temperature" ? the temperature along the day is the same ? - Why maceration ? - For only 24 h ?… we see in literature maceration times about 2 weeks or more. If you perform a maceration for 48h, 72h, or 1 week, you obtain the same results ? **RESULTS AND DISCUSSION** All information about the molecules may be presented in tabular form. Thus, we can compare the molecules and their pharmacological activities. You describe in detail all of extraction parts, solvents, plant parts, but the results are generic in my opinion. The discussion should be connected with the polarity of your solvents and individually for	

	each part of the plant. **Final Comments:** Aspects such as sampling criteria and the results should be enriched.	
Minor REVISION comments	----------	
Optional/General comments	----------	

PART 2:

	Reviewer's comment	**Author's comment** *(if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)*
Are there ethical issues in this manuscript?	*(If yes, Kindly please write down the ethical issues here in details)*	

Reviewer Details:

Name:	***Marcelo Barcellos da Rosa***
Department, University & Country	***Federal University of Santa Maria, Brazil***