



SDI Review Form 1.6

Journal Name:	Microbiology Research Journal International
Manuscript Number:	Ms_MRJI_39218
Title of the Manuscript:	Modeling the variation of inhibition zone diameter in disc diffusion susceptibility test of natural substances and antibiotics
Type of the Article	Original research paper

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:

(<http://www.sciencedomain.org/page.php?id=sdi-general-editorial-policy#Peer-Review-Guideline>)



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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)
<u>Compulsory</u> REVISION comments	The aim of the manuscript is of high relevance for those who perform tests of antimicrobial activity. However, it needs some revisions. 1. The chemical characterization of essential oil and extract was not performed; 2. Table 2 shows that only extracts and antibiotics were tested. Why has essential oil not been tested? 3. Why were the extracts not tested for all strains selected for the study?	Thanks to the reviewer 1. In this paper we are more concerned by the mathematical relationship irrespective of the composition. In further works were mechanism of inhibition will be studied, the compositions will be performed. 2. Essential oils were also tested in Table 2; see 1H and 2H. 3. Extracts were tested for all strains but we presented only that showing inhibition zone diameter at more than three different concentrations. Suitable for medelisation
<u>Minor</u> REVISION comments	1. What does mean (/) in the tables? 2. What is the purpose of Table 1? Just refer to the author. 3. All symbols and abbreviations used in the illustrations should be defined clearly. Correct the caption of all tables	1. / refer to no inhibition zone observed in the tables. Correction was done for table 1, 2 and 3. 2. The purpose of table 1 is to present data from literature that will be used to compare the performance of the proposed model. It was propose to easy the reader's understanding of the process of data fitting. It has the same function as table 2. 3. Abbreviations in illustrations have been defined clearly.



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<u>Optional/General</u> comments		
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