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OPEN PEER REVIEW

Evaluation of Antimicrobial Activity of Several Medicinal Plants Against Clinically Isolated *Staphylococcus aureus* from Humans and Sheep

Bahman Fazeli-Nasab, Laleh Shahraki-Mojahed, Gelareh Sohail-beygi, Mehrangiz Ghafari

SUBMITTED	REVISED	ACCEPTED	DOI
12 Sep 2021	10 Oct 2021	20 Oct 2021	10.5812/gct.118752

About this report

This open peer review (OPR) report shows the public comments made on this article during peer review, by the reviewers, the associate editor and the editor-in-chief, for every revision round, together with the authors' replies. Comments appear only with the consent of the people who wrote them. Reviewers who chose to sign their report are named; the others are shown as "Referee". Comments are edited for language only, and confidential remarks to the editors are not included.

More about open peer review: brieflands.com/knowledgebase/opr

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1 Original submission

4 comments · 13 Sep 2021 – 18 Sep 2021

Referee 1 Reviewer

MINOR REVISION 13 Sep 2021

1. The phrase “medicinal herb
have antifungal, anti-parasitic, antibacterial, and antimicrobial properties;” is repeated in the introduction.
2. Please change the verb “try” in the last paragraph of the introduction: “ so in the present study we tried to try”.
3. Please don’t write amounts in digits at the beginning of sentences, e.g., 40g of leaves. Write forty grams of leaves.
4. Why did you collect your samples only from male patients?
5. DMSO has apoptotic and sometimes necrotic characteristics on microorganisms; how did you rule out the effects of this solvent on your specimens? It would have been better to evaluate concentrations of DMSO on your organisms.
6. Do you know what fraction of isolated oils and extracts have antimicrobial effects?
7. Can you say definitely that medicinal herbs are more effective than chemical compounds?

Associate Editor

MINOR REVISION 15 Sep 2021

Dear Author,
If improvements to the English language within your manuscript have been requested, you should have your manuscript reviewed by someone who is fluent in English or by a professional editing company.

Associate Editor

MAJOR REVISION 17 Sep 2021

Dear Author,
Thank you for submitting the manuscript entitled " Evaluation of antimicrobial activity of a number of medicinal plants on clinically isolated Staphylococcus aureus isolated from humans and sheep". The review process is complete, and all thorough reviews are included. The reviewers found considerable concerns, as follows:

- It is recommended that the manuscript be edited by a professional English-speaking writer. There are several grammatical and structural mistakes in the article.
- Editing the manuscript is highly recommended.
- Editing the introduction part.
- Editing the method part and adding references.
- Rewriting the conclusion.
- Editing the figures.

Please document and highlight the responses to the reviewers and the revised parts.

Editor-in-Chief MAJOR REVISION 18 Sep 2021

Based on the reviewers' comments and my reading of the manuscript, this manuscript needs major revisions, and the authors need to reply to the comments point by point.

2

Revision 1

AUTHORS' RESPONSE TO REVIEWERS

Authors' reply to reviewers

The next pages contain the authors' point-by-point reply to the comments of this revision round, as submitted with the revised manuscript. It is published as the authors wrote it.

Dear editor in chief of Gene, Cell, Tissue

Thanks for everything

The article was revised based on the reviewer's comments and below information and also the revised texts were highlighted by yellow color.

You can find the response of the reviewers comment at the bottom this letter

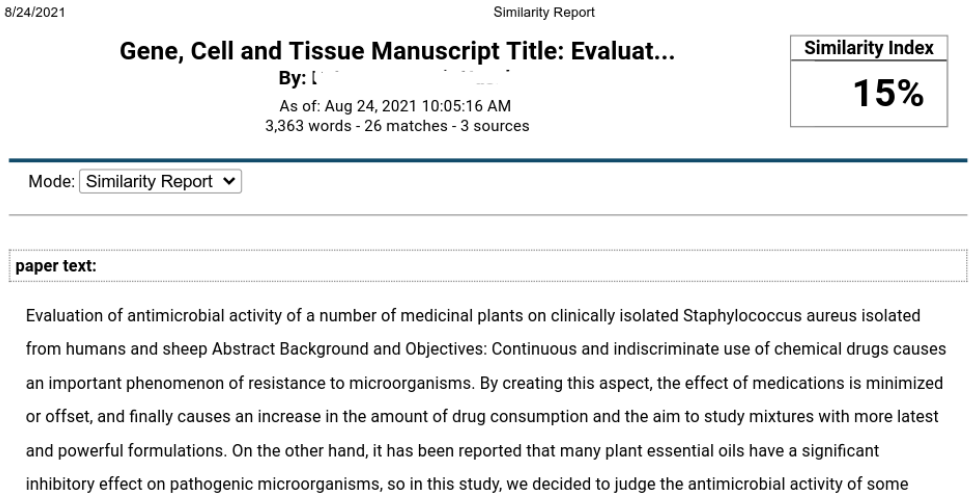
Best

Authors

2021-09-19

Reviewer 1:
This work needs minor revision:

1. The full text needs grammatical editing.
The original article was written in Persian and translated by a native translator. It was also reviewed.2.


8/24/2021 Similarity Report

Gene, Cell and Tissue Manuscript Title: Evaluat...

By: [redacted]

As of: Aug 24, 2021 10:05:16 AM
3,363 words - 26 matches - 3 sources

Similarity Index
15%

Mode: Similarity Report

paper text:

Evaluation of antimicrobial activity of a number of medicinal plants on clinically isolated Staphylococcus aureus isolated from humans and sheep Abstract Background and Objectives: Continuous and indiscriminate use of chemical drugs causes an important phenomenon of resistance to microorganisms. By creating this aspect, the effect of medications is minimized or offset, and finally causes an increase in the amount of drug consumption and the aim to study mixtures with more latest and powerful formulations. On the other hand, it has been reported that many plant essential oils have a significant inhibitory effect on pathogenic microorganisms, so in this study, we decided to judge the antimicrobial activity of some

3. The authors should attention to this main point that all figures and pictures that are inserted in the manuscript should be their own work and should not be received from the internet. So if need replaced them with own work pictures.
All the figures and diagrams are part of the results of the main discussion, but the shapes of the plants are taken from different sources, the source of which is also mentioned
4. Add the references in the method part.
It was done
4. Rewrite the Conclusion.
it was revised

Reviewer 2:
1. The phrases of "medicinal herb have antifungal, anti-parasitic, antibacterial, and antimicrobial properties;" is written douplicate in introduction
2. Please change the verb b"try" in last paragraph of introduction.." so in the

present study we tried to try"
3. Please don't write amounts in digits in begening of sentences. e.g. 40g of leaves. Wright forty grams of leaves
4. Why did you collect your samples only from male patients?
The number of female binaries who consented to the experiment was small, so it was not included in the experiment
5. The DMSO has apoptotic and sometimes necrotic characteristics on microorganisms, how did you rule out the effects of this solvent on your specimens? It was better to evaluate concentrations of DMSO on your organisms.
Because DMSO is used for all samples, if there is an error, it is an error for everyone, so it has no value. It is like adding all the numbers with a fixed number. It is quite true that we applied DMSO to the samples and then subtracted the amount obtained from the final number. As a result, however, no change will occur
6. Do you know what fraction of isolated oils and extracts have anti microbial effects?
Phytochemicals should be tested individually to see if they have an effect that is beyond the scope of research with limited facilities, and a source that has examined all of the material should not be viewed.
7. Can you say definitely that medicinal herbs are more effective than chemical compounds?

Chemical compounds have passed the test, so they are valid in the short and even medium term, but in the long term they may be dangerous. But medicinal plants, many of which have been approved for their edible properties and have adapted to the human body over time, therefore have far fewer risks than chemicals. But the duration of treatment with herbal substances is longer than chemicals, so in the treatments that need to be urgent, the same chemical drugs are currently offered. Herbs are very useful for many treatments that do not need immediate treatment

2 Revision 1

2 comments · 25 Sep 2021 – 9 Oct 2021

Referee 2 Reviewer

MINOR REVISION 25 Sep 2021

The manuscript is well revised and improved. Still, to increase readability, the authors need to rewrite some sentences because they are too long. Try to split these sentences into shorter ones that are easier to understand.

Editor-in-Chief

MINOR REVISION 9 Oct 2021

Based on the reviewers' comments and my reading of the manuscript, minor revisions and a point-by-point response to the comments are needed.

3

Revision 2

AUTHORS' RESPONSE TO REVIEWERS

Authors' reply to reviewers

The next pages contain the authors' point-by-point reply to the comments of this revision round, as submitted with the revised manuscript. It is published as the authors wrote it.

Dear editor in chief of Gene, Cell, Tissue

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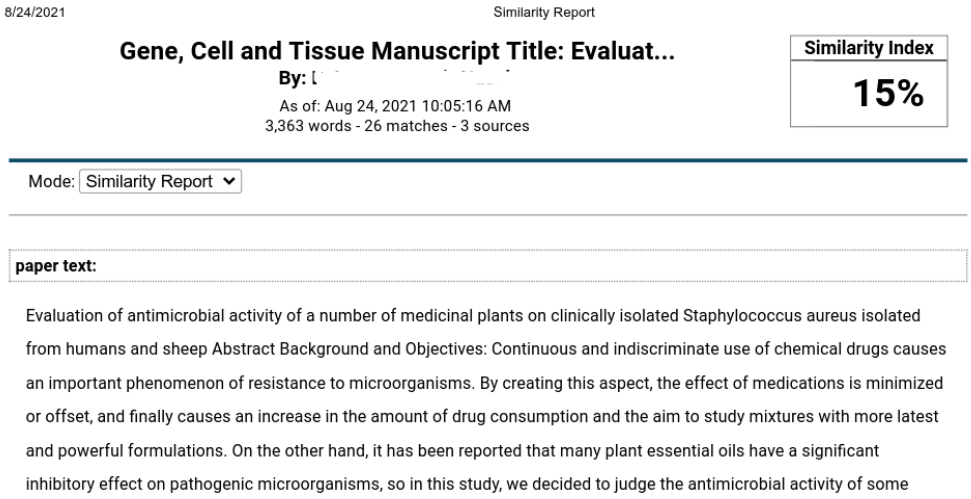
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3 Revision 2

1 comment · 20 Oct 2021

Editor-in-Chief

ACCEPT 20 Oct 2021

Revisions were done well. Thus, this manuscript can be accepted for publication in GCT.