

MEDICINAL CHEMISTRY**Manuscript Evaluation Form**

Editor-in-Chief: Dr. Dimitra Hadjipavlou-Litina, Aristotle University of Thessaloniki, Thessaloniki, Greece

| | |
|-----------------------|--|
| PAPER TITLE | Synthesis of silver nanoparticles using <i>Euphorbia wallichii</i> extract and assessment of their bio-functionalities |
| AUTHOR(S) NAME | Abdul-Rehman Phull, Attarad Ali, Akhtar Ali, Sanaullah Abbasi, Muhammad Zia, Muhammad Hassan Khaskheli, Ihsan ul haq, Mohammad Amjad Kamal |

Sec. A: REFEREE'S ASSESSMENT

(cross as appropriate)

| Criterion | Excellent | Good | Fair | Poor |
|---|---|------|-----------------------|------|
| Originality of the topic | x | | | |
| Technical Quality | | x | | |
| Importance in its Field | x | | | |
| Style & Overall Representation | | x | | |
| Readily Understandable | x | | | |
| Suitability for the Journal | x | | | |
| Adequate Illustrations or Drawings | x | | | |
| English language | | x | | |
| Description | Yes | No | Comments/ Suggestions | |
| Does the title represent manuscript's contents? | x | | | |
| Is the Abstract accurate and concise? | x | | | |
| Are the approach/ methods properly described? | x | | | |
| Are the conclusions and interpretations sound? | x | | | |
| Are the references properly cited? | x | | | |
| Is this a new/ original/ contribution? | x | | | |
| Is it within the scope of the journal? | x | | | |
| Overall the Paper is Rated: | (Excellent -8----- Poor) 10 9 8 7 6 5 4 3 2 1 | | | |

Sec. B: REFEREE'S RECOMMENDATIONS**OTHER SPECIFIC CRITICISMS**

| | | | |
|--|---|--------------------------------------|---|
| Accept with minor changes | x | Imperfect style | x |
| Accept with major changes | | Too long | |
| Reject in current form, but may be resubmitted | | References incorrectly presented | |
| Reject, with no resubmission | | Typographical and Grammatical errors | x |

PAPER TYPE: Research article

Review article

Letter article

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Confidential Comments to the Editor (not for Transmission to Authors):

This manuscript is within the scope of the journal and suitable for publication after some revision that I suggest and send in comments.

Comments for the Authors (continue on another sheet, if necessary):

In the current study, cost-effective, as well as fast bio-green method was applied for the synthesis of silver nanoparticles using the methanol extract of *E.wallichii* roots. The results of the investigation suggest their significant and enhanced antioxidant, antimicrobial and cytotoxic activity, as compared to the crude extract. This manuscript is within the scope of the journal and suitable for publication after some revision. The English language has to be improved. Spelling and grammatical errors should be corrected at some places.

The entire manuscript should be formatted according to the style of the journal.

Use space between the numbers and unites of measure in the entire manuscript.

For example, in the Abstract, Results, replace $59.63 \pm 1.0\%$, $15 \mu\text{g}/\text{disc}$ and $3.33 \mu\text{g}/\text{disc}$, instead of $59.63 \pm 1.0\%$, $15\mu\text{g}/\text{disc}$ and $3.33\mu\text{g}/\text{disc}$, etc.

Place the number and the unit of measure in the same row.

For example, on page 6, move 2 to the next row and next page beside μl , as follows, 2 μl .

On page 12, move 1.857 to the next row beside $\mu\text{g}/\text{disc}$, as follows, 1.857 $\mu\text{g}/\text{disc}$.

Check and correct the numbers of some subheadings, as well as spaces between some sections.

On page 12, add the number of subheading 2.8.3. before Statistical analysis.

On page 15, the correct number of subheading is 3.3. Antioxidant activity assessment

On page 16, the correct number of subheading is 3.4. Determination of toxic effects.

Move subheading 3.5. Antimicrobial activity assessment to the next page.

Move subheading Conflict of interest to the next page

Add Figure Legends below Figures and also add Figure Legends and Table Captions in the text of the manuscript.

In Figure 2, as well as in the graphical abstract, the IR maxima can be labeled only with the numbers, since unite of measure for wavenumber frequency, cm^{-1} is stated below axes x.

FIELD OF EXPERTISE OF REFEREE: Materials and chemical technologies, nanotechnologies, biomedical engineering, chemistry, medicinal chemistry

Name & Affiliation of referee: Tamara Jovanović, Department of Biomedical Engineering, Faculty of Mechanical Engineering, University of Belgrade, Kraljice Marije 16, 11120 Belgrade, Serbia

Dr Tamara Jovanović / December 19, 2018

SIGNATURE OF REFEREE / DATE

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