

Review Form 3

Journal Name:	Annual Research & Review in Biology
Manuscript Number:	Ms_ARRB_121148
Title of the Manuscript:	Antioxidant, anti-inflammatory and cytotoxic properties of Cancerol S, a blend of medicinal plants, on cancerous cells in culture
Type of the Article	Original Research Article

General guidelines for the 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 guidelines for the Peer Review process, reviewers are requested to visit this link:

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Review Form 3

PART 1: Review Comments

Compulsory REVISION comments	Reviewer's comment	Author's Feedback <i>(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i>
Please write a few sentences regarding the importance of this manuscript for the scientific community. Why do you like (or dislike) this manuscript? A minimum of 3-4 sentences may be required for this part.		
Is the title of the article suitable? (If not please suggest an alternative title)		
Is the abstract of the article comprehensive? Do you suggest the addition (or deletion) of some points in this section? Please write your suggestions here.		
Are subsections and structure of the manuscript appropriate?		
Please write a few sentences regarding the scientific correctness of this manuscript. Why do you think that this manuscript is scientifically robust and technically sound? A minimum of 3-4 sentences may be required for this part.		
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.		

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<p>Minor REVISION comments</p> <p>Is the language/English quality of the article suitable for scholarly communications?</p>		
<p>Optional/General comments</p>	<p>The manuscript titled 'Antioxidant, anti-inflammatory and cytotoxic properties of Cancerol S, a blend of medicinal plants, on cancerous cells in culture' deals with the in vitro evaluation of plant extracts for phytomedicinal use.</p> <p>Here are some remarks to improve the quality of the manuscript for publication in <i>Annu. Res. Rev. Biol.</i></p> <p>In the whole manuscript (excepted for the anti-inflammatory activity part): The authors should replace IC50 by EC50 since they are measuring a half-maximal effective concentration rather than a half-maximal inhibitory concentration. Furthermore, the term 'half-maximal effective concentration' should be introduced after the first related abbreviation within the text. In the case of 15-LOX, COX-1, and COX-2 inhibition, the IC50 abbreviation is the most pertinent indicator. Consequently, the term 'half-maximal inhibitory concentration' should also be introduced after the first related abbreviation.</p> <p>Page 1: It would be beneficial to include more recent data regarding the global prevalence of cancer, particularly given the potential for alterations in incidence rates due to the ongoing impact of the COVID-19 pandemic.</p> <p>Page 1: The following sentence is not clear, 'Researchers have made efforts to find a new, more effective approach, and traditional medicine via these compounds has emerged as a very promising alternative for cancer treatment.'</p> <p>Page 7: Be careful about significant figures. Indeed, the standard deviation should indicate the number of significant figures to be reported. For instance, '4.17 ± 0.67%' should be '4.2 ± 0.7%'. Please check all the manuscript.</p> <p>Page 11: After the following sentence '...confirming the effective presence of flavonoids that are known for their antioxidant effects, anti-inflammatory and anticancer [22,23].', the authors should also include this reference: https://doi.org/10.1016/j.ijpx.2022.100138.</p> <p>Page 12: 'The inhibition of these enzymes contribute' should be 'The inhibition of these enzymes contributes'.</p> <p>Page 12: The conclusion should be developed further, particularly with regard to the discussion of the antioxidant activity and anti-inflammatory properties of Cancerol S.</p>	

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)
<p>Are there ethical issues in this manuscript?</p>	<p><i>(If yes, Kindly please write down the ethical issues here in details)</i></p>	

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