

Review of: "Morphomechanics: An Updated View"

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Potential competing interests: No potential competing interests to declare.

The subject of this manuscript is very interesting and shows the multidisciplinary nature between very different areas of knowledge, such as mechanical engineering and biology. It is a different manuscript from those that this reviewer is used to reviewing. It is very nicely presented. However, there are some aspects that could/must be improved. Here are some examples of comments/suggestions:

The title should be changed because "An updated view" implies that the majority of the references are very recent, specifically from the current decennia. However, the majority of the references are distributed as follows: 24% from 2010-2014; 31% from 2015-2019; and 34% from 2020-2022, with no references from 2023 or from the current year. Therefore, either the list of references must be updated, or the title (in order to reflect the literature survey) must be changed.

Please pay attention to the chemistry. For example, page 7, "Measuring Mechanical Stress," third line: the example given for negative ions is (C), and I think the author meant (Cl⁻).

The English must be carefully reviewed because sometimes some "Iberian" words appear, such as on page 2, second paragraph, line 3, where "...they do not precise..."; I think it should be "...they do not need..."

Introduction and Discussion seem a little short considering the rest of the manuscript and could benefit from a more extensive approach. This could be a way of introducing more recent bibliographic references.