

## Peer Review Report

# Review Report on The territory as a victim: Geological assessment applied to analyzing the impact of Colombia's armed conflict on Geo-Bio Megadiversity at the Sierra Nevada de Santa Marta

Original Research, Earth Sci. Syst. Soc.

Reviewer: Dennis Pérez-Umaña

Submitted on: 26 Aug 2024

Article DOI: 10.3389/esss.2024.10112

### EVALUATION

#### **Q 1** Please summarize the main findings of the study.

It is an interesting compilation of the physical and geographic characteristics of the study area. The concept of geodiversity is handled although a little limited to the superficial part of the territory. Emphasis was also given to detailing how geodiversity has been affected.

#### **Q 2** Please highlight the limitations and strengths.

The content of the work is very well covered. I feel that the content on geodiversity was very light and concise.

#### **Q 3** Please comment on the methods, results and data interpretation. If there are any objective errors, or if the conclusions are not supported, you should detail your concerns.

No additional comments.

#### **Q 4** Check List

Is the English language of sufficient quality?

Yes.

Is the quality of the figures and tables satisfactory?

No.

Does the reference list cover the relevant literature adequately and in an unbiased manner?

Yes.

Are the statistical methods valid and correctly applied? (e.g. sample size, choice of test)

Yes.

If relevant, are the methods sufficiently documented to allow replication studies?

Yes.

Are the data underlying the study available in either the article, supplement, or deposited in a repository? (Sequence/expression data, protein/molecule characterizations, annotations, and taxonomy data are required to be deposited in public repositories prior to publication)

Yes.

Does the study adhere to ethical standards including ethics committee approval and consent procedure?

Yes.

If relevant, have standard biosecurity and institutional safety procedures been adhered to?

Yes.

**Q 5** Please provide your detailed review report to the editor and authors (including any comments on the Q4 Check List):

More images are needed to support the results. I could add more evidence of the correlation between the effect of deforestation and geodiversity to solve the doubt raised. It is not enough to say that there is a correlation without evidence or data to confirm it.

#### QUALITY ASSESSMENT

<b>Q 6</b> Originality	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Q 7</b> Rigor	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Q 8</b> Significance to the field	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Q 9</b> Interest to a general audience	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Q 10</b> Quality of the writing	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Q 11</b> Overall quality of the study	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>