

Review of: "Recent Trends and Techniques in Landslide Hazard Assessment"

N. A. Correa-Muñoz¹

¹ University of Cauca

Potential competing interests: No potential competing interests to declare.

The comments are related to the IMRAD structure of the paper.

Abstract: It would be convenient to emphasise sonification and hazard terms.

Introduction: The gap in the acknowledgement is defined in the final lines of this section. However, the quick and affordable process with GIS analysis can be badly understood; a semi-automatic approach could be more appropriate. A revision of phrases' linkage and their coherence must be done.

Landslide Hazard: There are repeated words, i.e., harm, in the text; synonyms could be used. Figure 1 is not announced in this paragraph. The word 'unstable obesity' must be revised; it seems no appropriate term. Other bibliometric results could be included, such as keywords, journals, authors, and so on.

Land Hazard Zonation: The ontology of the topic could be explained, so the concepts, zonation, susceptibility, hazard, vulnerability, and risk must be related in this part of the paper. Some isolated phrases highlighted in red colour could be better linked to the adjacent text.

Land Hazard Assessment: Landslides and mass movements are the same things. The overall schema to assess the landslide risk covers the topic, but a more specific explanation could be required for conditioning factors, vulnerability, and risk analysis.

GIS: In this section, the multicriteria analysis could be reinforced, with specific methods to model the landslide risk at a regional scale. What kind of data are derived from remote sensing and landslide inventories, and how they will be combined with triggers to generate maps of hazard, vulnerability, and risk? What accuracy would be expected with this approach?

Conclusion: A direct declaration of the relationship between the title and the development of the paper and the acknowledgement gap could be included in this section. What other approaches, in addition to multivariate approaches, must be considered?

Overall Concept

The topic developed is very important in geology and earth sciences. It's a good source to understand why much of the research landscape is published from study cases in the Himalayan Mountain range. A revision of the writing style should

be carried out to guarantee the cohesion of phrases.