

Review of: "Assessment of soil erosion in the Cesar watershed, an initial step toward the restoration of the Cesar River"

Abrar Yousuf¹

¹ Punjab Agricultural University

Potential competing interests: No potential competing interests to declare.

The article "Assessment of soil erosion in the Cesar watershed, an initial step toward the restoration of the Cesar River" presents the erosion estimates of Cesar river. The article lacks novelty; however results may prove beneficial for the management of catchment area of river. Following points should be looked into to improve the quality of article.

Abstract:

It is mentioned "Different scenarios were modeled to assess and predict the variations in sediment yield and to fit the model to the sediment concentration data observed in local sediment gauging stations", I have not seen any scenarios in the manuscript. Therefore, authors are advised to correct the sentence.

Introduction:

It is too brief. The authors have not presented the topic well. What necessitates the study to be conducted?

The "RUSLE-GIS-GLUE-SDR": The authors have not introduced GLUE, GIS and SDR in the prior text. The authors should justify the this integration

Materials and methods:

Some sentences in introduction have been repeated in study area section of material and method section. These sentences should be deleted.

The authors should explain how RUSLE-GLUE-GIS-SDR have been integrated.

The authors should mention the source of different SDR formulae used.

SDR4 and SDR5: A is m². Authors are advised to check the unit of area.

Authors have mentioned they have calibrated the RUSLE model. How have they calibrated the model.

How many samples were taken in a month to calculate the sediment yield.

Results and discussion

Discussion part should be strengthened.