

Reviewer 2

Open Review

(x) I would not like to sign my review report

() I would like to sign my review report

English language and style

() Extensive editing of English language and style required

() Moderate English changes required

() English language and style are fine/minor spell check required

(x) I don't feel qualified to judge about the English language and style

	Yes	Can be improved	Must be improved	Not applicable
Is the content succinctly described and contextualized with respect to previous and present theoretical background and empirical research (if applicable) on the topic?	(x)	()	()	()
Are the research design, questions, hypotheses and methods clearly stated?	()	(x)	()	()
Are the arguments and discussion of findings coherent, balanced and compelling?	()	(x)	()	()
For empirical research, are the results clearly presented?	()	(x)	()	()
Is the article adequately referenced?	(x)	()	()	()
Are the conclusions thoroughly supported by the results presented in the article or referenced in secondary literature?	()	()	()	()

Comments and Suggestions for Authors

Thank you for giving me the opportunity to review this paper.

In my opinion this work is very interesting as it performs a very comprehensive study to map the state of oceanic Posidonia in coastal habitats, using high resolution multi- and hyperspectral sensors by using classifiers some advanced machine learning algorithms with different supervised regression and classification models. In my opinion it is a great work.

However, the manuscript is not yet ready for publication but has a lot of promise after minor revisions:

- Line 228-289 The text refers to Figure 6, I understand this is an error because it seems to refer to Figure 3.
 - **the text between lines 264 and 289 is included in the sea truth paragraph and describes the in situ measurements and methods. The mistake of Figure 6 indication was corrected with the right Figure 3;**
- Line 616-617 Figure 5 appears to be incorrectly referenced and Figure 7 referred to in the text does not exist.

- **the wrong reference to a figure 7, present only in a preliminary version of the manuscript, was eliminated and figure enumeration modified accordingly;**
- Line 643 figure 8 there is text superimposed at the bottom of the figure.
 - **the error, due to a loss of the layout during the upload phase, has been adjusted;**
- Lines 649-650. This paragraph seems to be erroneous, it appears as figure 5 when it is under figure 10.
- Lines 655-656 The caption of figure 10 is not below the figure.
 - **the mistakes due to wrong figures numeration and a loss of the layout were adjusted;**
- Lines 665-679 Poorly laid out. The caption of figure 11 is superimposed on table 3.
- Lines 712-719 Layout problems in figure 12.
 - **the highlighted losses of formatting, mainly due to the introduction of the text boxes of the characters indicative of the various images in the composite figures, were revised and corrected;**

Submission Date

18 October 2021

Date of this review

04 Nov 2021 21:10:41

Thank You very much for Your valuable observations and suggestions that helped us to improve the paper.