

Review Manuscript Number: PCI-Ecotox Env Chem

Title: Do macroinvertebrate abundance and community structure depend on the quality of ponds located in peri-urban areas?

General comments: The methods are clearly stated. The manuscript " Do macroinvertebrate abundance and community structure depend on the quality of ponds located in peri-urban areas? " is an interesting study. It is well written and has a massive amount of data. I have a few comments.

Introduction: The last part of the introduction is a little too long, giving too much information that prevents a quick and clear overview of the objectives. Perhaps the authors could delete the sentences from line 102 to line 109 (from "... Depending on their chemical... to... mainly due to pesticides (Nélieu 2020)"). Some of these sentences could be moved in material and methods if needed. Moreover, line 109 add "et al" in the citation (Nélieu 2020).

Material and Methods : The methods are clearly stated.

Line 167 : I'm not sure to understand the number of invertebrate samples. Could you check your calculation ? (44 invertebrate samples: 12 ponds x 2 points x 2 years x 2 seasons, minus 6 cases).

Line 168 : What's the reference of « Section 2.3 » ? . Please check this part as there is no numbered section through the text.

Results: The results section is a very dense. There's a lot of information and it's sometimes hard to follow. Maybe the authors could find a way to shorten it a little ?

Table 1 is not very relevant as a single table. For greater clarity and to make it easier to read the results, the values presented in table 1 could be placed on each corresponding panel of fig 1 as an insert, or write the corresponding values in the legend of Figure 1.

Figure 3 : please check the figure. The letters to identify each panel are missing. It seems that solid and hatched curves are inverted. Figure legend should be moved below the figure

Discussion: The discussion is long as well, but it helps the reader to better understand the results. Maybe the manuscript will gain if it could be summarized a little without losing any information.

Line 538 : Citation Nélieu et al. 2020 has to be corrected (remove "and al")

Line 539 : Check the sentence it's seems that a word is missing ?