

Dear reviewers:

Reviewers' comments were fully considered, resulting in the following changes in the manuscript "Depositional sequences of the Itararé Group in the region of Mafra (SC) and their regional correlation":

- (1) page 2, line 6: removal of the accent incorrectly used in the word "Neopaleozoica";
- (2) page 2, line 6: adaptation of the acronym "LPIA" to the corresponding Portuguese "EGN";
- (3) page 2, line 7: change of the sentence "essas rochas" to "as rochas desse intervalo";
- (4) page 2, line 11: added comma after the word "porém";
- (5) page 2, line 15: change of the sentence "integramos nosso" to "os";
- (6) page 2, line 16: addition of the sentence "aqui obtidos foram integrados";
- (7) page 2, line 16: addition of the sentence "das regiões";
- (8) page 2, line 21: change the spelling "5" to "cinco";
- (9) page 2, line 22: change in sentence structure, deleting the period and the word "Eles", adding a comma and the word "que";
- (10) page 2, line 23: change of the sentence "influência glacial que diminuem" to "diminuição da influência glacial";
- (11) page 2, line 24: change of the sentence "às melhores condições climáticas" to "ao clima mais quente";
- (12) page 2, line 24: exclusion of the sentence "Depósitos de";
- (13) page 2, line 24: change of the sentence "áreas e distribuídas" to "áreas, distribuídos";
- (14) page 2, line 25: change the word "Eles" to "Estes";
- (15) page 2, line 28: removal of the accent incorrectly used in the word "Neopaleozoica";
- (16) page 3, line 6: change the spelling "3" to "three";
- (17) page 4, line 26: change the spelling "formation" to "Formation";
- (18) page 5, figure 1: in relation to the comment that the text in yellow makes reading difficult, the figure was edited, changing the colors of the lithologies and the font of the texts;
- (19) page 5, line 6: change the spelling "5" to "five";
- (20) page 5, line 11: added reference "Miall 1978";
- (21) page 6, line 13: change the spelling "table" to "Table";
- (22) page 10: in relation to the comment: "Is the sandy/heterolithic interval next to the "block" allochthonous? Is the bedding in this interval consistent with the rest of the section?", the text was adapted on the page 11, line 26: "Several levels of sandstone and heterolithic facies S(d) and H(d) with intense deformation and up to 9 meters thick", to justify that the sandstone and heterolithic layers are also deformed, interpreted as allochthonous, as informed on page 12, line 3 "Facies S(d) and H(d), present in this association, would be

allochthonous blocks incorporated and transported in the same flow originating these diamictites";

(23) page 12, line 15: change of the sentence "mass transport deposits (MTDs)" to "MTDs";

(24) page 14, line 5: added parentheses to the reference year;

(25) page 15, line 33: change of the sentence "Mass transport deposits (MTDs)" to "MTDs";

(26) page 18, line 23: change the spelling "Cenpaleo" to "Cenpáleo";

(27) page 21, line 28: added the comma after the year of the reference;

(28) page 24, line 4: change the spelling "formation" to "Formation";

(29) page 25, line 28: change the spelling "formation" to "Formation".

Also, the work of Miall (1978) was added to the list of references. (page 21, line 14).

In addition to the changes suggested by the reviewers, were also added the changes suggested in the thesis defense, to which the manuscript is linked, from the Graduate Program in Geology at the Federal University of Paraná:

(1) page 2, line 30: change of the sentence "of Permocarboniferous age" to "Permocarboniferous in age";

(2) page 3, line 2: added sentence with the references: "(Schneider et al. 1974; França & Potter 1988; Eyles, Eyles & França 1993; Santos, Rocha Campos & Canuto 1996; Vesely & Assine 2006; d' Avila 2009; Aquino et al. 2016)";

(3) page 3, line 21: added sentence with the references: "(Hamel 2005; Ricetti & Weinschütz, 2011; Adami-Rodrigues et al. 2012; Mouro et al. 2014; Taboada et al. 2016; Wilner, Lemos & Scomazzon 2016; Mouro et al. 2018)";

(4) page 3, line 30: added sentence with references: "(Eyles, Eyles & Miall 1983; Eyles, Eyles & Miall 1985; Miller 1996; Hambrey & Glasser 2012)";

(5) page 5, line 4: change the word "by" to "from";

(6) page 6, line 9: change the word "by" to "from";

(7) page 9, line 5: added sentence ",possible scour structure,";

(8) page 21, line 19: added the work of Miller (1996) in the reference list.

Best regards,