Thank you for the feedback on our manuscript! Replies for specific comments are here under (comments are in italics and replies are in normal font).

**General recommendation to the authors would be not to limit the literature review to North American authors and pay attention to the Russian studies of recent hydrological changes and aufeis phenomena, all the more so that the first author clearly is able to read in Russian.**

We really appreciate your suggestion. We now included the following studies published by Russian researchers on winter river discharge increase as well as icings formation (they are highlighted in the text):


**Specific comments Line 17-19:** I would suggest eliminating the following sentence from the abstract “If confirmed in other cold regions, those results will suggest orienting winter flow trend studies toward a multi-causal hypothesis in glacierized catchments”, as it sounds a bit boastfully.

We modified the sentence to “If confirmed in other cold regions, those results could confirm the multi-causal hypothesis of winter discharge increase in glacierized catchments”. This wording allows us to highlight that our study supports the multi-causal hypothesis for increase in winter flows without sounding boastful as you pointed out.

**Line 445:** change naturel to natural

Thank you, it has been fixed!
Last comment and scientific regards to the authors from the field studies of giant aufeis in the North-East of Russia (the Magadan region) where we are at the moment using the same methods as proposed in the paper – TLC, water and ice samples, though complimented by hydrological measurements of aufeis input into river streamflow. The photo is attached.

Thank you for sharing the picture, and we hope that your field investigation was successful!