

Author's response to community comments (Dr. Clara Ruiz-González)

Very relevant and timely article! The authors might consider including a recent review on the microbial dimension of submarine groundwater discharge by Ruiz-González, Rodellas and Garcia-Orellana (2021, FEMS Microbiology Reviews), which evidences the poor knowledge of the (micro)biological aspects related to submarine groundwater discharge, ranging from the microbially-driven chemical transformations of the groundwater within coastal aquifers to the microbial responses to groundwater inputs once in the coastal ocean. Current challenges and future directions of the field are also highlighted, emphasizing, as in the current article, the need for multidisciplinary collaborations. This review article was published slightly earlier than the one of Archana et al (2021), already cited in the text, but targets the entire groundwater-marine continuum by discussing the microbial implications of groundwater discharge in the ocean.

Clara Ruiz-González, Valentí Rodellas, Jordi Garcia-Orellana, The microbial dimension of submarine groundwater discharge: current challenges and future directions, FEMS Microbiology Reviews, Volume 45, Issue 5, September 2021, fuab010, <https://doi.org/10.1093/femsre/fuab010>

Many thanks for your interest in our manuscript and the suggestion. The (micro)biological aspects of both freshened submarine water discharge and offshore freshened groundwater certainly need further investigation, and their role within future multidisciplinary approaches is of course a topic we would like to highlight with our contribution.

We have included now the suggested publication in the revised version of the manuscript (l. 251–252).