

### **Editor's Comment:**

The article is accepted after considering the corrections

Accepted after minor revision

Please, consider revising the article for the following notices highlighted in pink in the attached form of it:

1- In section 3.1: 2nd paragraph 2nd line (.....whereas 4 out of the 6 isolates from brown seaweeds were Gram negative....), check if these numbers are correct.

2- In section 3.2: the reference Wichard, 2023 is missing in the final list.

3- In section 3.2: insert one additional column in (table 1) containing all the accession numbers registered each in front of its isolate. Please, do any corrections required as I found some numbers corresponded to other bacteria not mentioned, e.g. MZ976788 *Aeromonas hydrophila* and MZ976799 *Aeromonas veronii*.

4- In references: adhere to the journal format and check the following missing in the body article:

Furbino, L.E., Pellizzari, F.M., Neto, P.C., Rosa, C.A., Rosa, L.H., 2018. Isolation of fungi associated with macroalgae from maritime Antarctica and their production of agarolytic and carrageenolytic activities. *Polar Biol* 41, 527–535. <https://doi.org/10.1007/s00300-017-2213-1>

Lo Giudice, A., Michaud, L., de Pascale, D., De Domenico, M., di Prisco, G., Fani, R., Bruni, V., 2006. Lipolytic activity of Antarctic cold-adapted marine bacteria (Terra Nova Bay, Ross Sea). *J Appl Microbiol* 101, 1039–1048. <https://doi.org/10.1111/j.1365-2672.2006.03006.x>

Spilling, K., Titelman, J., Greve, T.M., Kühl, M., 2010. Microsensor Measurements of the External and Internal Microenvironment of *Fucus Vesiculosus* (phaeophyceae)1. *Journal of Phycology* 46, 1350–1355. <https://doi.org/10.1111/j.1529-8817.2010.00894.>

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