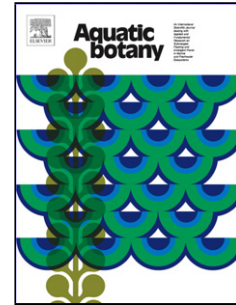


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Diversity and assemblage structure of tropical marine flora on lava flows of different ages

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HIGHLIGHTS

- We assessed the macrophytes and benthic cyanobacteria diversity of Piton de la Fournaise volcano (Reunion Island, Indian Ocean) for the first time.
- We listed 159 species including 51 new records for Reunion Island.
- The marine floral assemblages were significantly different between the 9 lava flows of different ages (prehistoric to 2007).
- The composition of the different floral assemblages is discussed in relation to abiotic and biotic factors to explain ecological succession.

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