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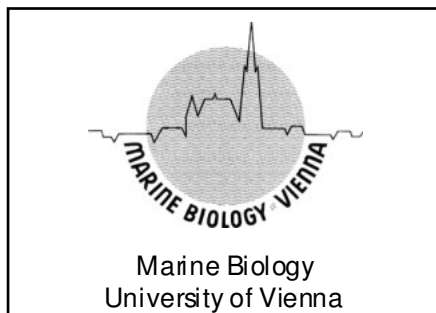
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### **Remote and inaccessible marine habitats**

From sea caves, oceanic islands, wave-beaten shores and polar seas to deep-sea hot vents.

### **Advances in underwater observation and experimentation**

From SCUBA to submersibles, ROVs and subsea observatories.



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characterized; the most frequent of them and those with the highest concentration were: C16:1, C14:0, C14:1, C17:0, C18:1n9c and C18:0; the least frequent and those considered as characteristic for the isolated strains were C19:0, C14:2, C6:0, C22:2, C20:0 and C21:0. The statistical analysis of main components based on the methyl-esters content places the strains into three main groups, plus one with only 2 strains, which were the least frequent fatty acids in their cell membranes. The Cluster analysis based on the strains' tolerance to oxygen (8 physiological tests, 12 morphological and methyl-esters contents tests) grouped the 16 strains into 3 phenons that represent different bacterial genera with microaerophilic respiratory metabolism.

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## **PARQMAR: Characterization and management of MPAs of Macaronesia – The cases of “Eco-parque Marinho do Funchal” (Madeira), Sta. Maria (Azores), Tenerife and Gran Canaria (Canary Islands)**

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### **Abstract**

The aim of this project is to promote conservation and sustainable use of coastal ecosystems in several MPAs located in different archipelagos of the Macaronesian Region: Azores, Madeira and Canary Islands (Central Atlantic Ocean) through a close transnational cooperation. The main benthic and fish communities are characterized as well as the diverse economic activities performed inside the MPAs. The surveys are carried out both in the intertidal and in the subtidal areas of Santa Maria Island (Azores), the Eco-Parque Marinho do Funchal (Madeira) and in two coastal sectors in Gran Canaria and in Tenerife Islands (Canary Islands). From the data obtained a zoning and management plan for each MPA will be done to support the sustainable use of their marine resources. PARQMAR is a project supported by the EU Initiative INTERREG III-B (Madeira, Azores, Canaries), project PARQMAR (03/MAC/4.2/M9).