Pectinaria chilensis Nilsson, 1928 (polychaeta: Pectinariidae): Taxonomic characterization, new distributional records and ecological notes from the Chilean Coast

Abstract

The taxonomy, geographical distribution, and ecological aspects of Pectinaria chilensis are reviewed. Specimens were collected in sublittoral soft bottoms, between 45 and 93m depth, at four localities in northern Chile. These specimens are compared with individuals collected from 17m depth at Coronel, Gulf of Arauco, Chile, the type locality of the species. A taxonomic characterization, illustrations and a list of new localities in the geographical distribution of this species are presented. Ecological information (bathymetry, sediment type, total organic matter content and dissolved O2 concentration of sea water above the bottom) is included, as well as a key for differentiating the two Pectinariidae species registered in Chile to date.