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Checklist of marine Crustacea Decapoda (excluded Brachyura) from Iberian Peninsula

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An actualized and annotated checklist of marine Crustacea Decapoda (excluded Brachyura) from Iberian Peninsula and by sectors (Northern Spain (Gulf of Biscay to Galicia) - West Portugal - Gulf of Cádiz (S Portugal-SW Spain: Cape San Vicente to Gibraltar Strait) - Alborán Sea - Eastern Mediterranean Spain (Balears-Levante)) is provided. Systematic changes and synonymies, new records, introduced species by anthropogenic activities and characterization of the spatial distribution of species are commented.

In total 292 decapods species (not including Brachyura), belonging to 134 genera and 42 families, are cited along Iberian waters. Of these, 114 were not found by Zariquiey Álvarez (1968). The richest families are Paguridae, Hippolytidae and Palemonidae (with 28, 21 and 17 species respectively). By sectors, the Gulf of Cadiz shows the highest richness (178 species), consequence of the confluence of Atlantic and Mediterranean waters and of a greater depth range in this area (when comparing with the adjacent Alborán Sea sector).

The total marine decapod species along Iberian waters (including crabs, Marco-Herrera et al., 2015) is, at least, 431. Also, other 13 freshwaters species have been cited in Iberian Peninsula.