

Biodiversity and chorology of the snails in the "Comunidad Valenciana" (Spain)

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The conchological and anatomical study of snails, as much bibliographical as of specimens from the past ten years from the "Comunidad Valenciana", in the East of the Iberian Peninsula, has led to a list of 106 species of molluscs corresponding to 24 families of terrestrial Gastropoda. The general area of distribution in the "Comunidad Valenciana" varies between a large holarctic one and a reduced area for some endemic species. Species of holarctic distribution: 11 spp. (10.4%), e.g. *Oxyloma elegans*. Species of palaeartic distribution: 4 spp. (3.8%), e.g. *Vertigo antivertigo*. Species of large European distribution, that can extend their distribution area through the North of Maghreb and Macaronesian Islands: 9 spp. (8.5%), e.g. *Platyla polita*. Species of a more restricted European distribution: 12 spp. (11.3%), e.g. *Chondrina avenacea avenacea*. Species of Western and Mediterranean European distribution: 12 spp. (11.3%), e.g. *Pomatias elegans*. Species of preferentially Mediterranean distribution: 24 spp. (22.6%), e.g. *Trochoidea pyramidata*. Others are genuine of the Western Mediterranean such as *Pomatias sulcatus*. Some species enlarge their distribution over the Western Atlantic European coast such as *Myosotella myosotis*. Species of Iberic distribution that enlarge their area over Southeast of French and/or over the Maghreb: 10 spp. (9.4%), e.g. *Otala punctata*. Endemic species of the Iberian Peninsula: 24 spp. (22.6%). Some have a large peninsular distribution such as *Iberus gualtieranus*. One group of species lives in the South of the Pyrenees and reaches the "C. Valenciana": *Cochlostoma martorelli*, *Oxychilus courquini*, *Trochoidea ripacurcica* and *T. salvanae*. Two species, *Suboestophora tarraconensis* and *Atenia quadrasii* are extended through the South of Catalonia and the "C. Valenciana". Another two, *Trochoidea derogata* and *T. barceloi*, are extended through the "Comunidad Valenciana" and Murcia. Finally, *Chondrina arigonis*, *C. gasulli*, *Granaria braunii marcusii*, *Oxychilus mercadali*, *Trochoidea molinae*, *T. roblesii*, *Suboestophora altamirai*, *S. boscae*, *S. hispanica* and *S. jeresae* are strictly endemic of the "Comunidad Valenciana".