

Mediterranean Marine Science

Vol 15, No 2 (2014)



First record of *Calma gobioophaga* Calado and Urgorri, 2002 (Gastropoda: Nudibranchia) in the Mediterranean Sea

J. PRKIC, G. FURFARO, P. MARIOTTINI, L. CARMONA, J. L. CERVERA, M. V. MODICA, M. OLIVERIO

doi: [10.12681/mms.709](https://doi.org/10.12681/mms.709)

To cite this article:

PRKIC, J., FURFARO, G., MARIOTTINI, P., CARMONA, L., CERVERA, J. L., MODICA, M. V., & OLIVERIO, M. (2014). First record of *Calma gobioophaga* Calado and Urgorri, 2002 (Gastropoda: Nudibranchia) in the Mediterranean Sea. *Mediterranean Marine Science*, 15(2), 423–428. <https://doi.org/10.12681/mms.709>

Supplementary Data

First record of *Calma gobioophaga* Calado and Urgorri, 2002 (Gastropoda: Nudibranchia) in the Mediterranean Sea

**J. PRKIĆ¹, G. FURFARO², P. MARIOTTINI², L. CARMONA³, J.-L. CERVERA³,
M.-V. MODICA⁴ and M. OLIVERIO⁴**

Mediterranean Marine Science, 2014, 15 (2), ...-

Supplementary Table 1. Summary of known records of specimens of *Calma* spp. according to literature and new data. Literature records were ascribed to either *C. glaucooides* or *C. gobioophaga*, according to clear and unambiguous figures and/or descriptions, with the exception of records no. 24 and 25, which could not be identified. Numbers (n) are the same as reported in Figure 1.

Species	n	Locality	References
<i>Calma glaucooides</i>	1	Florø (Norway)	(as <i>Eolis albicans</i>) Friele & Hansen, 1875
	2	Teelin, Co. Donegal (Eire)	Picton & Morrow, 1994
	3	Isle of Man (Irish Sea)	Miller, 1961
	4	Penzance, Cornwall (UK)	Thompson & Brown, 1984;
	5	Plymouth (Great Britain)	Eliot, 1910, Evans, 1922, Thompson & Brown, 1984;
	6	Herm Island, Guernsey (UK)	(as <i>Eolis glaucooides</i>) Alder & Hancock, 1854
	7	Roscoff (France)	Schmekel & Portmann, 1982
	8	Concarneau (France)	Evans, 1922
	9	Burela, Galicia (Spain)	Calado & Urgorri, 2002; Urgorri <i>et al.</i> , 2011
	10	Ría de Ferrol, Galicia (Spain)	Calado & Urgorri, 2002; Urgorri <i>et al.</i> , 2011
	11	Arrábida coast (Portugal)	Calado & Urgorri, 2002; Urgorri <i>et al.</i> , 2011
	12	Sagres (Portugal)	Calado <i>et al.</i> , 1999
	13	Cabo Trafalgar, Andalusia (Spain)	García-Gómez <i>et al.</i> , 1991
	14	El Médano, Tenerife, Canary Islands (Spain)	Moro <i>et al.</i> 1995
	15	Mediterranean, Catalonia (Spain)	Cervera <i>et al.</i> 2004
	16	Baie de Peyrefite, Banyuls-sur-mer (France)	P. Heurtaux, 1.viii.2002 [Message in] <i>Sea Slug Forum</i> , Australian Museum, Sydney, http://www.seaslugforum.net/find/7659 .
	17	Gulf of Naples (Italy)	(as <i>Forestia mirabilis</i>) Trinchese, 1881, 1889; (as <i>C. glaucooides</i>) Schmekel & Portmann, 1982
<i>Calma gobioophaga</i>	18	Co. Galway (Eire)	(as <i>C. glaucooides</i>) Farran, 1903
	19	Hope Cove, S. Devon (UK)	(as <i>C. glaucooides</i>) Thompson & Brown, 1984 (pl. 36, fig. b)
	20	Penzance, Cornwall (UK)	David Fenwick (personal communication)
	21	Roscoff (France)	(as <i>C. glaucooides</i>) Hecht, 1896
	22	A Cabana; Cambados; Leuseda - Galicia (Spain)	Calado & Urgorri, 2002; Urgorri <i>et al.</i> , 2011.
	23	Arrábida coast (Portugal)	Calado & Urgorri, 2002; Urgorri <i>et al.</i> , 2011
<i>Calma</i> sp.	24	Split and Marina, Croatia	present work
	25	Cabo de Palos, Andalucia (Spain)	Templado <i>et al.</i> 1987
	26	Venice lagoon (Italy)	Cesari, 1994

Supplementary Table 2. Voucher numbers, collection localities, and sequence accession numbers, of the calmid specimens. Voucher lots with BAU ID are stored at the Department of Biology and Biotechnology “Charles Darwin”, Rome, Italy (BBCD) and two specimens from the same lot are deposited at the Muséum National d’Histoire Naturelle, Paris, France (MNHN); MNCN, Museo Nacional de Ciencias Naturales (Madrid, Spain); CPIC, California State Polytechnic University Invertebrate Collection (Pomona, USA).

Species	Voucher ID	Locality	Accession numbers	References
			COI 16S	
<i>Calma glaucooides</i>	CPIC 00562	Portugal (leg. Gonçalo Calado)	JQ699567 JQ699477	Churchill <i>et al.</i> , 2013
<i>Calma glaucooides</i>	MNCN-406	Portugal, Arrábida Coast, Cozinhadouro, (38°26'48" N; 09°02'24" W) 4 m depth, on spawn of <i>Lepadogaster</i> <i>lepadogaster</i>	HG810893 HG810887	Present study
<i>Calma glaucooides</i>	MNCN-407	Portugal, Arrábida Coast, Cozinhadouro, (38°26'48" N; 09°02'24" W) 4 m depth, on spawn of <i>Lepadogaster</i> <i>lepadogaster</i>	HG810894 HG810888	Present study
<i>Calma gobioophaga</i>	MNCN-408	Portugal, Arrábida coast, Arflor (type locality) (38°30'24" N; 08°55'09" W) 10 m depth, on spawn of <i>Gobius niger</i> .	HG810895 HG810889	Present study
<i>Calma gobioophaga</i>	MNCN-409	Portugal, Arrábida coast, Arflor (type locality) (38°30'24" N; 08°55'09" W) 10 m depth, on spawn of <i>Gobius niger</i> .	HG810896 HG810890	Present study
<i>Calma gobioophaga</i>	BAU01705.3	Croatia, Marina (43°30'36" N; 16°07'42" E), inter- tidal, on spawn of <i>Gobius cobitis</i> .	HG810897 HG810891	Present study
<i>Calma gobioophaga</i>	BAU01705.4	Croatia, Marina (43°30'36" N; 16°07'42" E), inter- tidal, on spawn of <i>Gobius cobitis</i> .	HG810898 HG810892	Present study
<i>Calmella cavolini</i>	MNCN15.05/53688	Italy	HQ616772 HQ616737	Carmona <i>et al.</i> , 2011