



Short note

Marine Molluscs (Scaphopoda, Gastropoda, Bivalvia, Cephalopoda) around the Amouliani Island, Chalkidiki (Greece)

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Abstract. A total of 91 species of marine molluscs at the waters of Amouliani are known after present study: Scaphopoda (1), Gastropoda (53), Bivalvia (33), and Cephalopoda (4).

Keywords: Northern Greece, Mollusca, species diversity.

Introduction

The only information on marine molluscs around Amouliani Island (Chalkidiki, Greece) is known from the internet site of the Athos Scuba Diving Center. It provides important photographs (authors: Yiannis Iliopoulos, Androniki Iliadou, Stephan Kyutchukov) of sea slugs found at the waters of Amouliani Island (<http://athos-scuba.blogspot.bg/p/marine-life.html>) (Table 2).

In this short note we provide some contributions to the knowledge of the very rich sea mollusc fauna of this area.

Material and Methods

The study was carried out during 2015-2016 around Amouliani Island and the port of Tripiti. Molluscs were collected as remains of dead specimens or as living individuals, or observed by diving in shallow waters. No protected species (or their parts) were caught or collected. A total of seven localities were surveyed (Table 1). Some of the collected materials were deposited in the collections of the Natural History Museum – Plovdiv or in the private collection of D. Georgiev. Species identifications and taxonomy followed mainly

COSSIGNANI *et al.* (1992), ABBOTT & DANCE (2000), GARILLI & GALLETTI (2006), ÖZTÜRK (2011) and NERLOVIĆ *et al.* (2016).

Results

Adding the the six species of sea slugs reported by the Athos Scuba Diving Center to our finds there, a total of 91 species of marine molluscs have until now been recorded in the waters of Amouliani (Table 2): Scaphopoda (1), Gastropoda (53), Bivalvia (33), and Cephalopoda (4).

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Fig. 1. Specimen of the minute sea slug *Elysia timida* found during present study. Photo: D. Georgiev.

Table 1. Collection localities during present study. D. G. – Dilian Georgiev, O. T. – Ognyan Todorov.

Nº	Date	Locality	Coordinates	Coll.
1	23-25.06.2016	East coast, Glastri beach	N40 19 15.1 E23 55 18.6	D. G.
2	23.6.2016	East coast, Agios Georgios beach	N40 18 59.0 E23 56 14.7	D. G.
3	24.6.2016	West coast, Karagatsi beach	N40 19 32.2 E23 53 42.5	D. G.
4	25.6.2016	West coast, Alikes beach	N40 19 5.8 E23 55 3.5	D. G.
5	23.6.2016	Around the port of Tripiti, about 3 km from the island	N40 21 53.5 E23 55 5.4	D. G.
6	10.2015	North coast of the island	no coordinates	O. T.
7	10.2016	The port of Amouliani	no coordinates	O. T.

Table 2. Marine mollusc species registered at the waters around Amouliani Island (arranged in order of their findings). Lit. – data of the Athos Scuba Diving Center.

Nº	Species	Locality
Gastropoda		
1	<i>Alvania cimex</i> (Linnaeus, 1758)	1
2	<i>Alvania lactea</i> (Michaud, 1832)	1
3	<i>Alvania lineata</i> Risso, 1826	1
4	<i>Bela nebula</i> (Montagu, 1803)	1
5	<i>Bittium latreillii</i> (Payraudeau, 1826)	1
6	<i>Bittium reticulatum</i> (Da Costa, 1778)	1
7	<i>Bulla striata</i> Bruguière, 1792	1, 5
8	<i>Cerithium aluacaster</i> (Brocchi, 1814)	1
9	<i>Cerithium</i> cf. <i>rupestre</i> Risso, 1826	1
10	<i>Cerithium</i> sp.	1
11	<i>Cerithium vulgatum</i> Bruguière, 1792	3, 5
12	<i>Clanculus cruciatus</i> (Linnaeus, 1758)	1
13	<i>Columbella rustica</i> (Linnaeus, 1758)	1
14	<i>Conus mediterraneus</i> Hwass in Bruguière, 1792	1, 3
15	<i>Cratena peregrina</i> (Gmelin, 1791)	lit.
16	<i>Cyclope neritea</i> (Linnaeus, 1758)	1
17	<i>Elysia timida</i> (Risso, 1818) (Fig. 1)	3
18	<i>Emarginula sicula</i> Gray, 1825	1
19	<i>Epitonium commune</i> (Lamarck, 1822)	1
20	<i>Felimare picta</i> (Schultz in Philippi, 1836)	lit.
21	<i>Flabellina rubrolineata</i> (O'Donoghue, 1929)	lit.
22	<i>Gibbula adansonii</i> (Payraudeau, 1826)	1

23	<i>Gibbula ardens</i> (von Salis, 1793)	1
24	<i>Gibbula magus</i> (Linnaeus, 1758)	1
25	<i>Gibbula umbilicaris</i> (Linnaeus, 1758)	1
26	<i>Haliotis tuberculata</i> Linnaeus, 1758	1
27	<i>Haminoea cyanomarginata</i> Heller & Thompson, 1983	lit.
28	<i>Hexaplex trunculus</i> (Linnaeus, 1758)	2
29	<i>Mangelia costulata</i> Risso, 1826	1
30	<i>Mangelia vauquelini</i> (Payraudeau, 1826)	1
31	<i>Megastomia conoidea</i> (Brocchi, 1814)	1
32	<i>Melaraphe neritoides</i> (Linnaeus, 1758)	1
33	<i>Monodonta turbinata</i> (Von Born, 1778)	2, 5
34	<i>Nassarius pygmaeus</i> (Lamarck, 1822)	1
35	<i>Nassarius reticulatus</i> (Linnaeus, 1758)	1, 2
36	<i>Neverita josephinia</i> Risso, 1826	3, 5
37	<i>Ocenebra erinaceus</i> (Linnaeus, 1758)	1
38	<i>Ocenebrina edwardsii</i> (Payraudeau, 1826)	1
39	<i>Patella caerulea</i> Linnaeus, 1758	1, 3
40	<i>Pisania striata</i> (Gmelin, 1791)	1
41	<i>Platydoris argo</i> (Linnaeus, 1767)	lit.
42	<i>Pleurobranchus testudinarius</i> Cantraine, 1835	lit.
43	<i>Rissoa guerini</i> Récluz, 1843	1
44	<i>Rissoa splendida</i> Eichwald, 1830	1
45	<i>Rissoa variabilis</i> (Von Muehlfeldt, 1824)	1
46	<i>Rissoina bruguieri</i> (Payraudeau, 1826)	1
47	<i>Smaragdia viridis</i> (Linnaeus, 1758)	1
48	<i>Stramonita haemastoma</i> (Linnaeus, 1758)	2
49	<i>Tornus subcarinatus</i> (Montagu, 1803)	1
50	<i>Tricolia pullus</i> (Linnaeus, 1758)	1
51	<i>Tricolia tennis</i> (Michaud, 1829)	1
52	<i>Vexillum ebenus</i> (Lamarck, 1811)	1
53	<i>Vexillum littorale</i> (Forbes, 1844)	1

Bivalvia

54	<i>Acanthocardia spinosa</i> (Lightfoot, 1786)	3
55	<i>Acanthocardia tuberculata</i> (Linnaeus, 1758)	1, 2, 5
56	<i>Anomia ephippium</i> Linnaeus, 1758	1, 5
57	<i>Arca noae</i> Linnaeus, 1758	1, 5
58	<i>Barbatia barbata</i> (Linnaeus, 1758)	1
59	<i>Callista chione</i> (Linnaeus, 1758)	1
60	<i>Cardita calyculata</i> (Linnaeus, 1758)	1
61	<i>Chama gryphoides</i> Linnaeus, 1758	2

62	<i>Chamelea gallina</i> (Linnaeus, 1758)	2, 5
63	<i>Ctena decussata</i> (O. G. Costa, 1829)	1, 3
64	<i>Donacilla cornea</i> (Poli, 1791)	2, 3, 5
65	<i>Donax trunculus</i> Linnaeus, 1758	1, 5
66	<i>Glans trapezia</i> (Linnaeus, 1767)	1
67	<i>Glycymeris bimaculata</i> (Poli 1795)	1
68	<i>Irus irus</i> Linnaeus, 1758	1, 2
69	<i>Lima lima</i> (Linnaeus, 1758)	1
70	<i>Limaria tuberculata</i> (Olivi 1792)	1
71	<i>Loripes lacteus</i> (Linnaeus, 1758)	1, 3, 5
72	<i>Mactra stultorum</i> (Linnaeus, 1758)	2, 5
73	<i>Modiolus barbatus</i> (Linnaeus, 1758)	1
74	<i>Mytilaster marioni</i> (Locard 1889)	1
75	<i>Mytilaster solidus</i> Monterosato, 1883	1
76	<i>Mytilus galloprovincialis</i> Lamarck, 1819	1, 5
77	<i>Ostrea edulis</i> Linnaeus, 1758	1
78	<i>Paphia aurea</i> (Gmelin, 1791)	2, 5
79	<i>Pinna nobilis</i> Linnaeus, 1758	6
80	<i>Ruditapes decussatus</i> (Linnaeus, 1758)/ <i>R. philippinarum</i> (Adams & Reeve, 1850)	1
81	<i>Spisula subtruncata</i> (da Costa, 1778)	1
82	<i>Spondylus gaederopus</i> Linnaeus, 1758	1, 2
83	<i>Striarca lactea</i> (Linnaeus, 1758)	1
84	<i>Tellina incarnata</i> Linnaeus, 1758	2
85	<i>Venerupis corrugata</i> (Gmelin, 1791)	1
86	<i>Venus verrucosus</i> Linnaeus, 1758	1, 5
Scaphopoda		
87	<i>Antalis vulgaris</i> (da Costa, 1778)	2
Cephalopoda		
88	<i>Octopus vulgaris</i> Cuvier, 1797	7
89	<i>Sepia elegans</i> Blainville, 1827	5
90	<i>Sepia officinalis</i> Linnaeus, 1758	1, 7
91	<i>Sepia orbignyana</i> Férussac, 1826	1

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