

Data on the marine mollusc fauna of Cephalonia (Ionian Islands, Greece).

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Zusammenfassung

Die Autoren berichten über Aufsammlungen von Meeresmollusken, die von M. DE SMIT in den Jahren 1998 und 1999 an drei Stellen im Süden von Kephalaria (Ionische Inseln, Griechenland) getätigt wurden.

Abstract

The authors report on the molluscan content of samples taken by M. De Smit at three sites in the south of Cephalonia (Ionian Islands, Greece) in 1998 and 1999.

Introduction

Our knowledge of the marine mollusc fauna of the Greek coasts is very poor. Till now only a few articles have been published (see Delamotte & Vardala-Theodoru 1994, Fischer 1997, Zenetos 1996). Thus the results are presented here.

Material, method

Samples were collected on three sandy beaches in the south of Cephalonia . The collecting sites were (see table 1):

- 1) Beach of Mounda (May 8, 1998).
- 2) Beach of Mounda - Skala (May 8, 1998).
- 3) Beach of Kaminia, west of Mounda (June 3, 1999).

In classifying the species we follow the nomenclature of Poppe & Goto (1991, 1993).

Results

The species belong to the classes lamellibranchiata, scaphopoda and gastropoda: 67 species of lamellibranchiata out of 24 families, 1 species of scaphopoda out of one family, 71 species of gastropoda out of 32 families.

Samples found on the beach of Kaminia (site 3) were the richest both in shells and snails (48 species of 18 families of bivalvia and 61 species of 29 families of gastropoda).

Five species probably have their origin in the western Mediterranean and possibly found their way to Cephalonia by means of ships. These species are as follows:

- shells: Limidae: *Lima marioni* (species No 23)
Ungulinidae: *Ungulina cuneata* (species No 31)
snails: Rissoidae: *Rissoa guerinii* (species No 24)
Alvania pagodula (species No 32)
Muricidae: *Trophon clathratus* comes from the Atlantic ocean (species No 52).
It's distribution is described by POPPE & GOTO 1991.

Summary

139 species of 3 classes of molluscs (lamellibranchiata, scaphopoda, gastropoda) were found on three sites in the south of Cephalonia. The richest fauna could be found at the beach of Kaminia (west of Mounda) (site No 3 - Table 1). Some of the findings, 2 shell and 3 snail species are supposed to be exotic, five with the origin in the western Mediterranean, one of them in the Atlantic.

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Table: Mollusc species found in southern Cephalonia.

No	Cl. Lamellibranchiata	1	2	3
	Nuculidae			
1	<i>Nucula nucleus</i> (LINNÉ 1758)	+		
2	<i>Yoldia lucida</i> (LOVEN 1846)		+	
3	<i>Nuculana pella</i> (LINNÉ 1758)		+	
	Arcidae			
4	<i>Arca noae</i> LINNÉ 1758		+	
5	<i>Barbatia barbata</i> (LINNÉ 1758)		+	
6	<i>Barbatia nodulosa</i> (O. F. MÜLLER 1766)			+
7	<i>Arca tetragona</i> (POLI 1795)	+		+
8	<i>Anadara corbuloides</i> (MONTEROSATO 1876)		+	
	Noetiidae			
9	<i>Siriarca lactea</i> (LINNÉ 1758)		+	
	Glycymeridae			
10	<i>Glycymeris insubrica</i> (BROCCHI 1814)		+	
	Mytilidae			
11	<i>Modiolus adriaticus</i> LAMARCK 1819			+
12	<i>Modiolus barbatus</i> (LINNÉ 1758)			+
13	<i>Musculus costulatus</i> (RISSO 1826)			+
14	<i>Modiolus modiolus</i> (LINNÉ 1758)			+
15	<i>Mytilaster solidus</i> MONTEROSATO 1872			+
16	<i>Modiolula phaseolina</i> (PHILIPPI 1844)			+
17	<i>Mytilus galloprovincialis</i> LAMARCK 1818			+
	Pectinidae			
18	<i>Cyclopecten hoskynsi</i> (FORBES 1846)			+
19	<i>Protopecten griseus</i> (LAMARCK 1819)			+
20	<i>Chlamys varia</i> (LINNÉ 1758)			+
	Anomiidae			
21	<i>Anomia ephippium</i> LINNÉ 1758		+	+
22	<i>Pododesmus aculeatus</i> (O. F. MÜLLER 1776)			+
	Limidae			
23	<i>Lima marioni</i> F. FISCHER 1882			+
24	<i>Limatula subauriculata</i> (MONTAGU 1808)			+
25	<i>Limaria inflata</i> LINK 1807		+	+
	Lucinidae			
26	<i>Lucinella divaricata</i> (LINNÉ 1758)	+		+
27	<i>Loripes lucinalis</i> (LAMARCK 1818)		+	+
28	<i>Ctena decussata</i> (O. G. COSTA 1829)	+		+
	Thyasiridae			
29	<i>Thyasira granulosa</i> (MONTEROSATO 1874)			+
30	<i>Thyasira planata</i> (JEFFREYS 1882)			+
	Ungulinidae			
31	<i>Ungulina cuneata</i> (SPRENGLER 1798)		+	
	Montacutidae			
32	<i>Montacuta ferruginosa</i> (MONTAGU 1808)			+
33	<i>Mysella bidentata</i> (MONTAGU 1803)			+
34	<i>Tellimya phascolionis</i> (DAUTZ. & FISCH. 1925)			+
	Galeommatidae			
35	<i>Galeomma turtoni</i> (SOWERBY 1825)			+
	Neoleptonidae			
36	<i>Epilepton clarkiae</i> (CLARK 1852)			+
	Astartidae			
37	<i>Astarte sulcata</i> (DA COSTA 1778)			+
	Cardiidae			
38	<i>Acanthocardia tuberculata</i> (LINNÉ 1758)	+	+	
39	<i>Acanthocardia aculeata</i> (LINNÉ 1758)			+
40	<i>Parvicardium exiquum</i> (GMELIN 1791)			+
41	<i>Parvic. vroomi</i> AARTS., MOOL., & GITT. 1984			+

42	<i>Parvicardium ovale</i> (SOWERBY 1840)			+
43	<i>Parvicardium papillosum</i> (POLI 1795)			+
44	<i>Cerastoderma glaucum</i> (POIRET 1789)		+	+
	Mactridae			
45	<i>Macra stultorum</i> (LINNÉ 1758)		+	+
46	<i>Lutraria lutraria</i> (LINNÉ 1758)			+
47	<i>Lutraria oblonga</i> (GMELIN 1791)			+
	Tellinidae			
48	<i>Tellina planata</i> LINNÉ 1758		+	
49	<i>Tellina donacina</i> LINNÉ 1758	+	+	
50	<i>Tellina nitida</i> POLI 1791		+	
51	<i>Tellina fabula</i> GMELIN 1791		+	
	Donacidae			
52	<i>Donax trunculus</i> LINNÉ 1758		+	+
53	<i>Donax semistriatus</i> POLI 1795	+		
	Psammobiidae			
54	<i>Gari fervensis</i> (GMELIN 1791)			+
	Semelidae			
55	<i>Abra prismatica</i> (MONTAGU 1808)			+
56	<i>Abra nitida</i> (O. F. MÜLLER 1776)			+
57	<i>Abra alba</i> (W. WOOD 1802)			+
58	<i>Abra segmentina</i> (RÉCLUZ 1843)			+
	Corbulidae			
59	<i>Corbula gibba</i> (OLIVI 1792)	+		
	Trapeziidae			
60	<i>Coralliophaga lithophagella</i> (LAMARCK 1819)			+
	Veneridae			
61	<i>Venerupis aurea oenea</i> (TURTON 1819)		+	
62	<i>Paphia rhomboides</i> (PENNANT 1777)			+
63	<i>Pitar rudis</i> (POLI 1795)		+	
64	<i>Chamelea gallina</i> (LINNÉ 1758)		+	
65	<i>Chamelea striatula</i> (DA COSTA 1778)			+
66	<i>Tapes philippinarum</i> (ADAMS & REEVE 1850)			+
67	<i>Clausinella brongiartii</i> (PAYRAUDEAU 1826)			+
	Families	7	14	18
	Species	8	22	48
No	Cl. Scaphopoda	1	2	3
	Dentaliidae			
1	<i>Dentalium vulgare</i> DA COSTA 1778	+		
	Family	1	-	-
	Species	1	-	-
No	Cl. Gastropoda	1	2	3
	Scissurellidae			
1	<i>Scissurella crispata</i> FLEMMING 1828			+
	Haliotidae			
2	<i>Haliotis tuberculata</i> LINNÉ 1758	+		+
	Fissurellidae			
3	<i>Diodora italica</i> (DEFRANCE 1820)			+
4	<i>Emarginula crassa</i> SOWERBY 1813			+
5	<i>Emarginula adriatica</i> O. G. COSTA 1829			+
6	<i>Emarginula rosea</i> BELL 1824			+
	Acmaeidae			
7	<i>Acmaea virginea</i> (O. F. MÜLLER 1776)			+
	Patellidae			
8	<i>Patella rustica</i> LINNÉ 1758		+	
	Cocculinidae			
9	<i>Cocculina labronica</i> BOGI 1984			+
10	<i>Cocculina corrugata</i> JEFFREYS 1883			+
	Trochidae			

11	<i>Gibbula richardi</i> (PAYRAUDEAU 1826)			+
	Turbinidae			
12	<i>Astraea rugosa</i> (LINNÉ 1767)		+	
	Phasianellidae			
13	<i>Tricolia pullus</i> (LINNÉ 1758)			+
	Neritidae			
14	<i>Smaragdia viridis</i> (LINNÉ 1758)		+	
	Hydrobiidae			
15	<i>Hydrobia acuta</i> (DRAPARNAUD 1805)			+
16	<i>Peringia viridescens</i> (RISSO 1826)			+
	Truncatellidae			
17	<i>Truncatella subcylindrica</i> (LINNÉ 1767)			+
18	<i>Tornus subcarinatus</i> (MONTAGU 1803)			+
	Skeneopsidae			
19	<i>Skeneopsis planorbis</i> (FABRICIUS 1780)			+
	Caecidae			
20	<i>Caecum subannulatum</i> (DE FOLIN 1870)			+
	Rissoidae			
21	<i>Rissoa monodonta</i> PHILIPPI 1836		+	
22	<i>Rissoa auriscalpium</i> (LINNÉ 1758)		+	
23	<i>Rissoa similis</i> SCACCHI 1836	+		+
24	<i>Rissoa guerinii</i> RECLUZ 1843			+
25	<i>Rissoa dolium</i> NYST 1845			+
26	<i>Rissoa labiosa</i> (MONTAGU 1803)			+
27	<i>Rissoa variabilis</i> (MÜHLFELDT 1824)			+
28	<i>Rissoa lineolata</i> MICHAUD 1832			+
29	<i>Rissoa marginata</i> MICHAUD 1832			+
30	<i>Rissoa pulchella</i> PHILIPPI 1836			+
31	<i>Alvania cancellata</i> (DA COSTA 1778)			+
32	<i>Alvania pagodula</i> (BDD 1884)			+
33	<i>Alvania consociella</i> MONTEROSATO 1884			+
34	<i>Alvania geryonia</i> (NARDO 1847)			+
35	<i>Alvania cimex</i> (LINNÉ 1758)	+		
36	<i>Alvania punctura</i> (MONTAGU 1803)	+		
37	<i>Manzonella crassa</i> (KANMACHER 1798)			+
38	<i>Turboella inconspicua distans</i> F. NORDS. 1972			+
39	<i>Cingula substriata</i> (PHILIPPI 1844)			+
40	<i>Onoba vitrea</i> (MONTAGU 1803)			+
41	<i>Setia pseudocingulata</i> F. NORDSIECK 1972			+
42	<i>Zebina vitrea</i> A. ADAMS 1854			+
	Rissoinidae			
43	<i>Rissoina bertholleti</i> ISSEL 1869			+
	Turritellidae			
44	<i>Turritella turbona</i> MONTEROSATO 1877			+
	Potamididae			
45	<i>Pyrenella conica</i> (BLAINVILLE 1826)			+
	Cerithiidae			
46	<i>Bittium reticulatum</i> (DA COSTA 1778)	+		+
47	<i>Bittium latreilli</i> (PAYRAUDEAU 1826)			+
	Carinariidae			
48	<i>Carinaria mediterranea</i> BLAINVILLE 1825			+
	Naticidae			
49	<i>Lunatia montagui</i> (FORBES 1838)			+
	Cassididae			
50	<i>Phalium undulatum</i> (GMELIN 1791)		+	
	Muricidae			
51	<i>Trophon muricatus</i> (MONTAGU 1803)			+
52	<i>Trophon clathratus</i> (LINNÉ 1767)			+

	Buccinidae			
53	<i>Chauvetia brunnea</i> (DONOVAN 1804)			+
	Marginellidae			
54	<i>Gibberula miliaria</i> (LINNÉ 1758)	+		+
55	<i>Gibberula oryza</i> (LAMARCK 1822)			+
	Turridae			
56	<i>Mangelia brachystoma</i> (PHILIPPI 1844)			+
57	<i>Mangelia vauquelini</i> (PAYRAUDEAU 1826)			+
58	<i>Haedroleura septangularis</i> (MONTAGU 1803)			+
	Janthinidae			
59	<i>Basisculcata lepida</i> (BAYER 1942)			+
	Architectonicidae			
60	<i>Heliacus fallaciosus</i> (TIBERI 1872)			+
	Mathildidae			
61	<i>Mathilda quadricarinata</i> (BROCCHI 1814)			+
	Retusidae			
62	<i>Retusa umbilicata</i> (MONTAGU 1803)			+
63	<i>Mamilloretusa mamillata</i> (PHILIPPI 1836)			+
	Scaphandridae			
64	<i>Roxania utriculus</i> (BROCCHI 1814)			+
	Philinidae			
65	<i>Philine aperta</i> (LINNÉ 1767)			+
	Pyramidellidae			
66	<i>Turbonilla lactea</i> (LINNÉ 1766)		+	
67	<i>Odostomia plicata</i> (MONTAGU 1803)			+
68	<i>Odostomia conoidea</i> (BROCCHI 1814)			+
69	<i>Anisocycla folini</i> (P. FISCHER 1869)			+
70	<i>Chrysallida fenestrata</i> (JEFFREYS 1848)			+
71	<i>Eulimella cerullii</i> (COSSMANN 1915)			+
	Families	5	6	30
	Species	6	7	61

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