

RESEARCH ARTICLE

A list of macrofauna on the continental shelf of Gökçeada Island (northern Aegean Sea) with a new record (*Gryphus vitreus* Born, 1778) (Brachiopoda, Rhynchonellata) for the Turkish seas

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Abstract

Long-term sampling (1974-2013) of macro fauna of the Gökçeada Island (northern Aegean Sea) provided qualitative information on many taxa including Porifera, Cnidaria, Mollusca, Arthropoda, Brachiopoda, Bryozoa, Spiculida, Echinodermata, Chordata. *Gryphus vitreus* (Brachiopoda) and *Funiculina quadrangularis* (Pallas, 1766) are the first records for the Turkish seas and the Aegean coast of Turkey, respectively. The present paper aims to describe macrofauna occurring on the continental shelf of Gökçeada Island. This checklist was based mainly on review of the literature published since 1974 and studies conducted at Gökçeada Marine Research Department in 2007-2013. The present paper also reports a total of 10 alien species along the continental shelf of Gökçeada Island. *Calinectes sapidus* Rathbun, 1896 is one of the alien species of commercial importance.

Keywords: Macrofauna, Gökçeada, continental shelf, *Gryphus vitreus*

Introduction

The Gökçeada Island is the largest island in Turkey. It is believed to have been parts of Thrace and Anatolia (Koral *et al.* 2009). The island has a coastline of 92 km and its surface area is 279 km².

The northern Aegean Sea has been considered as a subunit of the Mediterranean Sea (Peres 1967). Due to many islands in the northern Aegean Sea, the water movements vary greatly. The Black Sea waters from the Çanakkale Strait flow towards north in winter and south in summer. The water mass surrounding the island is affected by cooler and less salty water coming from the Sea of Marmara. The area is enriched by nutrients of the Meriç River and has a variety

of pelagic fish feeding on abundant phytoplankton (Ulutürk 1987). Temperature and salinity of the island coastal water ranged between 11.5-30.2°C and 34.8-35.3‰, respectively.

Continental shelves, which comprise less than 10% of the ocean, are the most active sites of biogeochemical processes in oceans and where light conditions are reduced (Wollast 1991; Antoniadou and Chintiroglou 2005). This environment is quite sensitive to anthropogenic pressure, such as coastal technical constructions, terrigenous water outfall, toxic wastes, fishing and collection of rare species, invasion by alien species *etc.* (Bellan-santini *et al.* 1994; Boudouresque and Verlaque 2002; Chintiroglou *et al.* 2005).

Species richness is considered as the most appropriate measure to assess biodiversity in a specific area (Olsfrad *et al.* 1998). The value of biodiversity is an indication of environment health and for the functioning of ecosystems (Bengtsson *et al.* 1997). The main goal of the present paper is to present fauna of the Gökçeada island.

Materials and Methods

This study was based mainly on literature review and studies carried out between 1973-1978 at Gökçeada Fisheries and Sponge-Fishing Research Department (former name of Gökçeada Marine Research Department) where sea sponges were cultivated under uncontrolled conditions (Kara 1975). These studies carried out between 1973-1978 were not published. These reports can be found in the library of Gökçeada Marine Research Department and given as “unpublished reports” in Table 1.

Besides, the data collected during 2007-2013 on Gökçeada marine macrofauna by Gökçeada Marine Research Department were also evaluated. Materials obtained between 2007-2013 were collected by means of dredge, baited trap, long-line, set net and bottom trawl and scuba diving on the continental shelf area around the Gökçeada Island.

The study area comprised the continental shelf of the Gökçeada Island with depths ranging from 0 to 200 m (Figure 1). All materials were identified to species level and the nomenclature of the higher taxa followed WoRMS (2014).

Results

Incorporating review of the literature, 685 species are included on the present checklist. 149 of the species are recorded for the first time from the Gökçeada island. Among these, *G. vitreus* represents a new record for the Turkish seas.

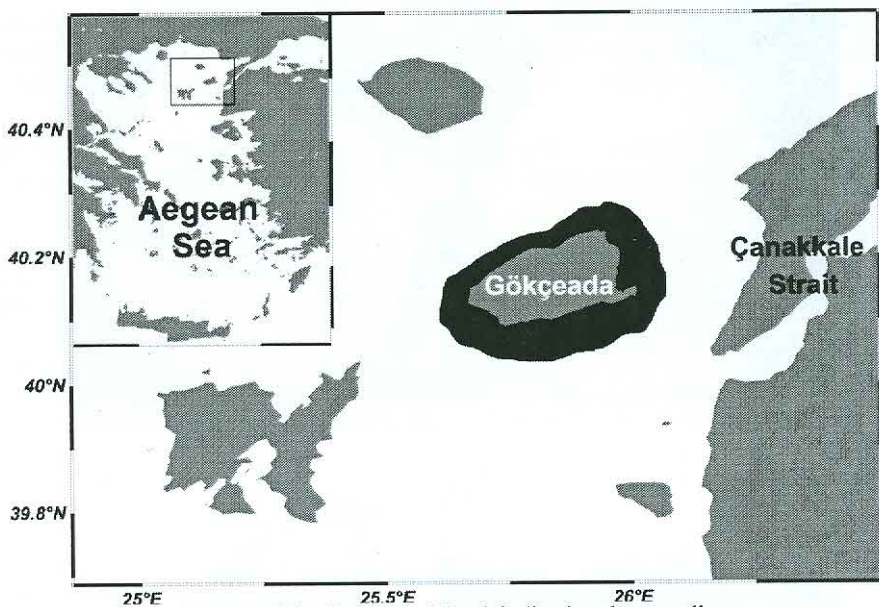


Figure 1. Map of the Gökçeada Island, indicating the sampling area

New records

***Gryphus vitreus* (Born, 1778)** (Figure 2)

Material examined: The northern Aegean Sea, Turkey, Gökçeada Island, 10.01.12, Coordinates; 40°05'31"N 25°36'70"E, 180-190 m.

Gryphus vitreus (Brachiopoda), a new record for the Turkish coast, prefer substrate rock, gravel clast and bio-depth eurybathic and circalittoral-bathyal zone. A previous dearth of materials from the eastern Mediterranean has now been at least partially remedied by new records from the coasts of Cyprus, Israel Egypt and Lebanon and South Aegean Sea. Its previous records are from the eastern Mediterranean Sea (Brunton 1989; Kuznetsov *et al.* 1993) and the Greek waters of the South Aegean Sea (Logan *et al.* 2002). According to Logan *et al.* (2004), there are 14 species of brachiopods which can be now considered valid for the present-day Mediterranean Sea.

***Funiculina quadrangularis* (Pallas, 1766)** (Figure 3)

Material examined: The northern Aegean Sea, Turkey, Gökçeada Island, 10.04.13, Coordinates; 40°09'45"N 25°41'90"

F. quadrangularis (Anthozoa) is a new record for the Aegean coast of Turkey. It is also known from the Aegean Sea (Pérès and Picard, 1958; Vafidis *et al.* 1994). It has been reported by Uysal *et al.* (1998) from the Marmara Sea.

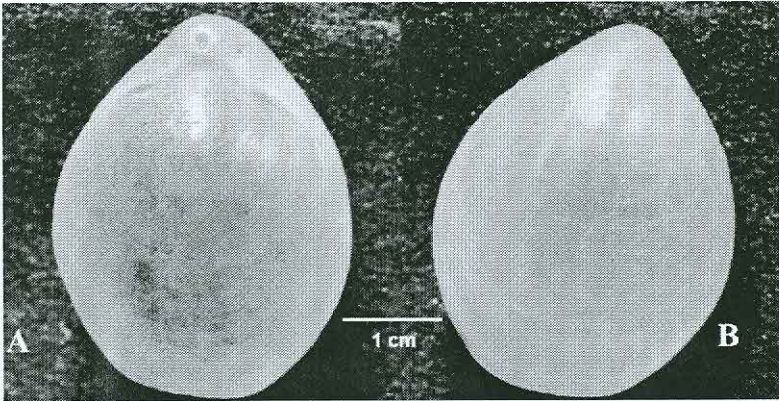


Figure 2. *Gryphus vitreus* (Born, 1778); A) dorsal view and B) ventral view

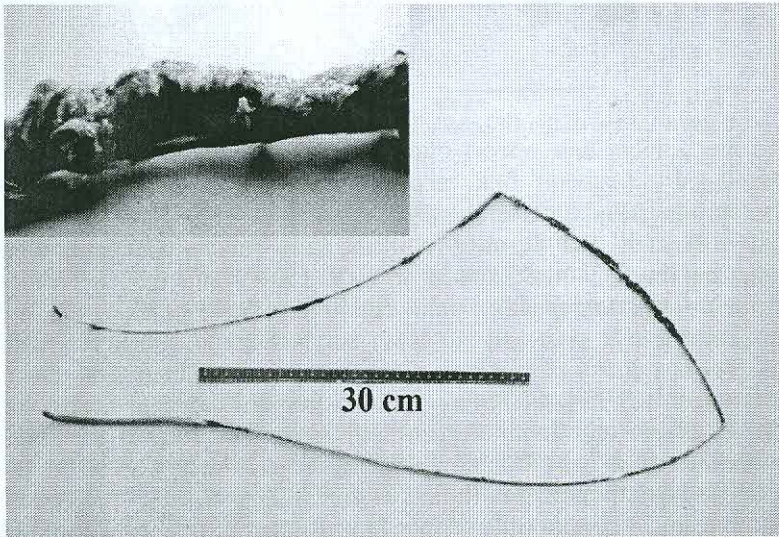


Figure 3. *Funiculina quadrangularis* (Pallas, 1766)

List of species

Mainly based on literature review, a total of 685 species belonging to 10 phyla (not including Peracarida (superorder) and Phylum Annelida) are known from the Gökçeada Island. The species list of each phylum and classis are presented in Table 1. Among these, 532 species had been previously reported from the Gökçeada Island. The remaining 149 species found during the present study are new records for the Gökçeada Island.

Various species reported from the Gökçeada Island in higher taxonomic groups revealed that three out of ten phyla were dominant: Mollusca, Chordata and Arthropoda, with percentages of 33%, 31% and 17%, respectively (Figure 4).

Literature analysis revealed that 685 species inhabit the area around Gökçeada, constituting approximately 9.3% of the total Mediterranean species.

The present paper also reports a total of 10 alien species along the continental shelf of the Gökçeada Island belonging to four systematic groups (*Ruditapes philippinarum*, *Cerithium scabridum*, *Rapana venosa*, *Callinectes sapidus*, *Processa macrodactyla*, *Amphibalanus eburneus*, *Lagocephalus spadiceus*, *Liza carinata*, *Mnemiopsis leidyi*, *Beroe ovata*).

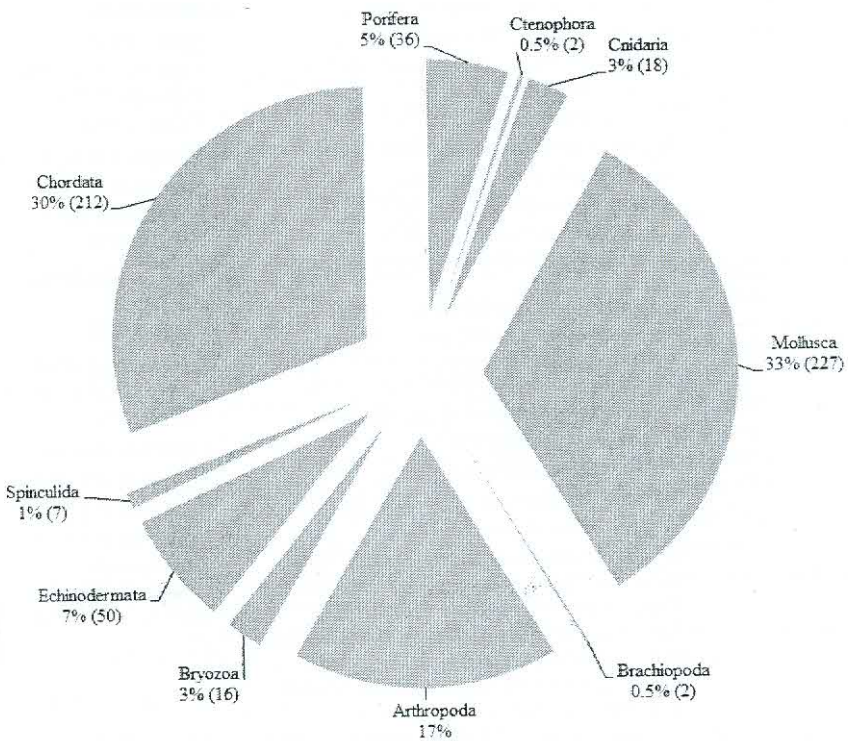


Figure 4. The percentages of ten phyla reported from the Gökçeada Island with the number of species in parentheses

Table 1. The species list of each phylum and classis with references containing first records from the Gökçeada Island

Taxa	Species	Reference
Porifera		
Calcarea	<i>Clathrina coriacea</i> (Montagu, 1814)	Yazıcı (1978)
	<i>Leucandra aspera</i> (Schmidt, 1862) as <i>Leuconia aspera</i> (Schmidt, 1862)	Yazıcı (1978)
Demospongiae	<i>Sycon raphanus</i> Schmidt, 1862 as <i>Scypha raphanus</i> (Schmidt, 1862)	Yazıcı (1978)
	<i>Agelas oroides</i> (Schmidt, 1864)	Ergüven <i>et al.</i> (1988)
	<i>Aplysina aerophoba</i> Nardo, 1833 as <i>Verongia aerophoba</i> (Nardo, 1833)	Ergüven <i>et al.</i> (1988)
	<i>Axinella cannabina</i> (Esper, 1794)	Yazıcı (1978)
	<i>Axinella damicornis</i> (Esper, 1794)	Çınar (2007)
	<i>Axinella polypoides</i> Schmidt, 1862	Yazıcı (1978)
	<i>Axinella verrucosa</i> Brondsted, 1924	Yazıcı (1978)
	<i>Clathria (Clathria) coralloides</i> (Scopoli, 1772)	Ergüven <i>et al.</i> (1988)
	<i>Cliona celata</i> Grant, 1826	Topaloğlu (2001)
	<i>Dysidea avara</i> (Schmidt, 1862)	Yazıcı (1978)
	<i>Dysidea fragilis</i> (Montagu, 1818)	Ergüven <i>et al.</i> (1988)
	<i>Dysidea tupha</i> (Martens, 1824)	Ergüven <i>et al.</i> (1988)
	<i>Geodia barretti</i> Bowerbank, 1858	Unpublished reports
	<i>Geodia cydonium</i> (Jameson, 1811)	Yazıcı (1978)
	<i>Halichondria (Halichondria) panicea</i> (Pallas, 1766)	Ergüven <i>et al.</i> (1988)
	<i>Haliclona simulans</i> (Johnston, 1842) as	
	<i>Siphonochalina crassa</i> Topsent, 1925	Yazıcı (1978)
	<i>Haliclona (Reniera) cratera</i> (Schmidt, 1862)	Ergüven <i>et al.</i> (1988)
	<i>Hemimycale columella</i> (Bowerbank, 1874)	Ergüven <i>et al.</i> (1988)
	<i>Hippospongia communis</i> (Lamarck, 1814)	Yazıcı (1978)
	<i>Ircinia oros</i> (Schmidt, 1864)	Unpublished reports
	<i>Ircinia variabilis</i> (Schmidt, 1862)	Ergüven <i>et al.</i> (1988)
	<i>Myxilla (Myxilla) rosacea</i> (Lieberkühn, 1859)	Ergüven <i>et al.</i> (1988)
	<i>Penares helleri</i> (Schmidt, 1864)	Ergüven <i>et al.</i> (1988)
	<i>Petrosia (Petrosia) ficiformis</i> (Poiret, 1789)	Ergüven <i>et al.</i>
	<i>Raspailia (Raspailia) viminalis</i> Schmidt, 1862	Ergüven <i>et al.</i> (1988)
	<i>Rhizaxinella pyrifer</i> (Delle Chiaje, 1828)	Ergüven <i>et al.</i> (1988)
<i>Sarcotragus fasciculatus</i> (Pallas, 1766) as <i>Ircinia fasciculata</i> (Pallas, 1766)	Ergüven <i>et al.</i> (1988)	
<i>Sarcotragus foetidus</i> Schmidt, 1862 as <i>Ircinia muscarum</i> (Schmidt, 1864)	Ergüven <i>et al.</i> (1988)	
<i>Spongia (Spongia) officinalis</i> Linnaeus, 1759	Yazıcı (1978)	
<i>Spongia (Spongia) virgultosa</i> (Schmidt, 1868)	Ergüven <i>et al.</i> (1988)	
<i>Suberites domuncula</i> (Olivi, 1792)	Yazıcı (1978)	
<i>Tedania anhelans</i> (Vio in Olivi, 1792)	Yazıcı (1978)	
Ctenophora		
	<i>Beroe ovata</i> Bruguière, 1789	Tarkan (2000)
	<i>Mnemiopsis leidyi</i> A. Agassiz, 1865	Tarkan (2000)
Cnidaria		
Anthozoa	<i>Alcyonium palmatum</i> Pallas, 1766	Unpublished reports

Tablo 1. Continued

Taxa	Species	Reference
	<i>Anemonia sulcata</i> (Pennant, 1777)	Unpublished reports
	<i>Caryophyllia smithii</i> Stokes & Broderip, 1828 as	Unpublished reports
	<i>Caryophyllia clavus</i> Scacchi, 1835	Unpublished reports
	<i>Cladocora caespitosa</i> (Linnaeus, 1767)	Unpublished reports
	<i>Condylactis aurantiaca</i> (Delle Chiaje, 1825)	Unpublished reports
	<i>Funiculina quadrangularis</i> (Pallas, 1766)	Present Study
	<i>Isidella elongata</i> (Esper, 1788)	Unpublished reports
	<i>Leptopsammia pruvoti</i> Lacaze-Duthiers, 1897	Unpublished reports
	<i>Lophelia pertusa</i> (Linnaeus, 1758)	Unpublished reports
	<i>Pennatula phosphorea</i> Linnaeus, 1758	Unpublished reports
Hydrozoa	<i>Clytia gracilis</i> (Sars, 1850)	Unpublished reports
	<i>Clytia hemisphaerica</i> (Linnaeus, 1767) as <i>Clytia johnstoni</i> (Alder, 1856)	Unpublished reports
	<i>Plumularia setacea</i> (Linnaeus, 1758)	Unpublished reports
Scyphozoa	<i>Aurelia aurita</i> (Linnaeus, 1758)	Öztürk and Topaloğlu (2011)
	<i>Chrysaora hysoscella</i> (Linnaeus, 1767)	Unpublished reports
	<i>Cotylorhiza tuberculata</i> (Macri, 1778)	Unpublished reports
	<i>Pelagia noctiluca</i> (Forsskål, 1775)	Öztürk and Topaloğlu (2011)
	<i>Rhizostoma pulmo</i> (Macri, 1778)	Öztürk and Topaloğlu (2011)
Mollusca		
Polyplacophora	<i>Acanthochitona fascicularis</i> (Linnaeus, 1767)	Present Study
	<i>Callochiton septemvalvis</i> (Montagu, 1803)	Present Study
	<i>Chiton olivaceus</i> Spengler, 1797	Unpublished reports
	<i>Chiton corallinus</i> (Risso, 1826)	Present Study
	<i>Ischnochiton rissoi</i> (Payraudeau, 1826)	Present Study
	<i>Lepidopleurus cajetanus</i> (Poli, 1791)	Present Study
	<i>Lepidochitona caprearum</i> (Scacchi, 1836)	Unpublished reports
	<i>Lepidochitona cinerea</i> (Linnaeus, 1767)	Unpublished reports
Bivalvia	<i>Abra alba</i> Wood, 1802	Albayrak (2000)
	<i>Abra nitida</i> (Mueller, O. F., 1776)	Doğan (2005)
	<i>Abra prismatica</i> (Montagu, 1808)	Doğan (2005)
	<i>Abra segmentum</i> (Récluz, 1843)	Present Study
	<i>Acanthocardia aculeata</i> (Linnaeus, 1758)	Unpublished reports
	<i>Acanthocardia echinata</i> (Linnaeus, 1758)	Unpublished reports
	<i>Aequipecten opercularis</i> (Linnaeus, 1758)	Unpublished reports
	<i>Anadara polii</i> (Mayer, 1868)	Present Study
	<i>Anodontia fragilis</i> (Philippi, 1836)	Doğan (2005)
	<i>Anomia ephippium</i> Linnaeus, 1758	Unpublished reports
	<i>Arca noae</i> Linnaeus, 1758	Unpublished reports
	<i>Arca tetragona</i> Poli, 1795	Present Study
	<i>Azorinus chamasolen</i> (da Costa, 1778),	Albayrak (2000)
	<i>Barbatia barbata</i> (Linnaeus, 1758)	Öztürk <i>et al.</i> (2008)
	<i>Batharca pectunculoides</i> (Scacchi, 1835)	Present Study
	<i>Callista chione</i> (Linnaeus, 1758)	Albayrak (2000)
	<i>Cardiomya costellata</i> (Deshayes, 1835)	Doğan (2005)
	<i>Cardita calyculata</i> (Linnaeus, 1758)	Doğan (2005)

Table 1. Continued

Taxa	Species	Reference
	<i>Chama gryphoides</i> Linnaeus, 1758	Doğan (2005)
	<i>Chamelea gallina</i> (Linnaeus, 1758)	Doğan (2005)
	<i>Clausinella fasciata</i> (Da Costa, 1778)	Albayrak (2000)
	<i>Coralliophaga lithophagella</i> (Lamarck, 1819)	Albayrak (2000)
	<i>Corbula gibba</i> (Olivì, 1792)	Doğan (2005)
	<i>Crassadoma multistriata</i> (Poli, 1795)	Present Study
	<i>Ctena decussata</i> (O. G. Costa, 1829)	Present Study
	<i>Cuspidaria rostrata</i> (Spengler, 1793)	Present Study
	<i>Donacilla cornea</i> (Poli, 1795)	Doğan (2005)
	<i>Donax trunculus</i> Linnaeus, 1758	Doğan (2005)
	<i>Donax variegatus</i> Gmelin, 1791	Albayrak (2000)
	<i>Ennucula aegeensis</i> (Forbes, 1844)	Present Study
	<i>Ensis ensis</i> (Linnaeus, 1758)	Albayrak (2000)
	<i>Flexopecten flexuosus</i> (Poli, 1795) as <i>Chlamys flexuosa</i> (Poli, 1795)	Unpublished reports
	<i>Flexopecten glaber</i> (Linnaeus, 1758) as <i>Chlamys glabra</i> (Linnaeus, 1758)	Unpublished reports
	<i>Gari costulata</i> (Turton, 1822)	Albayrak (2000)
	<i>Gari fervensis</i> (Gmelin, 1791)	Albayrak (2000)
	<i>Gastrochaena dubia</i> (Pennant, 1777)	Doğan (2005)
	<i>Glans aculeata</i> (Poli, 1795)	Doğan (2005)
	<i>Glans trapezia</i> (Linnaeus, 1767)	Doğan (2005)
	<i>Glycymeris glycymeris</i> (Linnaeus, 1758)	Albayrak (2000)
	<i>Glycymeris nummaria</i> (Linnaeus, 1758) as <i>Glycymeris violacescens</i> (Lamarck, 1819)	Unpublished reports
	<i>Glycymeris pilosa</i> (Linnaeus, 1767)	Unpublished reports
	<i>Gonilia calliglypta</i> (Dall, 1903)	Doğan (2005)
	<i>Goodallia triangularis</i> (Montagu, 1803)	Present Study
	<i>Gouldia minima</i> (Montagu, 1803)	Albayrak (2000)
	<i>Gregariella petagnae</i> (Scacchi, 1832)	Present Study
	<i>Hemilepton nitidum</i> (Turton, 1822)	Doğan (2005)
	<i>Hiatella arctica</i> (Linnaeus, 1767) as <i>Saxicava arctica</i> Linnaeus, 1767	Unpublished reports
	<i>Hiatella rugosa</i> (Linnaeus, 1767)	Albayrak (2000)
	<i>Irus irus</i> (Linnaeus, 1758)	Doğan (2005)
	<i>Kellia suborbicularis</i> (Montagu, 1803)	Albayrak (2000)
	<i>Kelliella abyssicola</i> (Forbes, 1844)	Doğan (2005)
	<i>Laevicardium crassum</i> (Gmelin, 1791)	Doğan (2005)
	<i>Laevicardium oblongum</i> (Gmelin, 1791)	Unpublished reports
	<i>Lentidium mediterraneum</i> (O. G. Costa, 1839)	Present Study
	<i>Limaria hians</i> (Gmelin, 1791) as <i>Lima hians</i> (Gmelin, 1791)	Unpublished reports
	<i>Limaria tuberculata</i> (Olivì, 1792)	Albayrak (2000)
	<i>Limatula gwyni</i> (Sykes, 1903)	Doğan (2005)
	<i>Limea loscombi</i> (Sowerby, G. B. I, 1823)	Doğan (2005)
	<i>Lissopecten hyalinus</i> (Poli, 1795)	Doğan (2005)
	<i>Lithophaga lithophaga</i> (Linnaeus, 1758)	Present Study
	<i>Loripes lacteus</i> (Linnaeus, 1758)	Doğan (2005)
	<i>Lucinella divaricata</i> (Linnaeus, 1758)	Doğan (2005)
	<i>Mimachlamys varia</i> (Linnaeus, 1758) as <i>Chlamys varia</i> (Linnaeus, 1758)	Unpublished reports
	<i>Modiolarca subpicta</i> (Cantraine, 1835)	Present Study

Tablo 1. Continued

Taxa	Species	Reference
	<i>Modiolaria phaseolina</i> (Philippi, 1844)	Doğan (2005)
	<i>Modiolaria adriaticus</i> (Lamarck, 1819)	Present Study
	<i>Modiolaria barbatus</i> (Linnaeus, 1758)	Present Study
	<i>Monia squama</i> (Gmelin, 1791) as <i>Pododesmus squama</i> (Gmelin, 1791)	Unpublished reports
	<i>Musculus costulatus</i> (Risso, 1826)	Doğan (2005)
	<i>Myrtea spinifera</i> (Montagu, 1803)	Albayrak (2000)
	<i>Mysella bidentata</i> (Montagu, 1803)	Doğan (2005)
	<i>Mytilaster lineatus</i> (Gmelin, 1791)	Doğan (2005)
	<i>Mytilaster minimus</i> (Poli, 1795)	Present Study
	<i>Mytilus galloprovincialis</i> Lamarck, 1819	Unpublished reports
	<i>Nucula hanleyi</i> Winckworth, 1931	Present Study
	<i>Nucula nitidosa</i> (Winckworth, 1931)	Doğan (2005)
	<i>Nucula nucleus</i> (Linnaeus, 1758)	Present Study
	<i>Nucula sulcata</i> Bronn, 1831	Doğan (2005)
	<i>Nuculana commutata</i> (Philippi, 1844)	Doğan (2005)
	<i>Nuculana pella</i> (Linnaeus, 1767)	Doğan (2005)
	<i>Palliolium incomparabile</i> (Risso, 1826)	Doğan (2005)
	<i>Papillicardium papillosum</i> (Poli, 1791) as	Albayrak (2000)
	<i>Plagiocardium papillosum</i> (Poli, 1795)	
	<i>Parvamussium fenestratum</i> (Forbes, 1844)	Present Study
	<i>Parvicardium exiguum</i> (Gmelin, 1791)	Doğan (2005)
	<i>Parvicardium minimum</i> (Philippi, 1836)	Doğan (2005)
	<i>Parvicardium scriptum</i> (Bucquoy, Dautzenberg & Dollfus, 1892)	Doğan (2005)
	<i>Parvicardium vroomi</i> Van Aartsen, Menkhorst & Gittenberger, 1984	Present Study
	<i>Pecten jacobaeus</i> (Linnaeus, 1758)	Unpublished reports
	<i>Phaxas pellucidus</i> (Pennant, 1777)	Doğan (2005)
	<i>Pinna nobilis</i> Linnaeus 1758	Unpublished reports
	<i>Pitar rudis</i> (Poli, 1795)	Albayrak (2000)
	<i>Pseudamussium clavatum</i> (Poli, 1795)	Albayrak (2000)
	<i>Pteria hirundo</i> (Linnaeus, 1758)	Present Study
	<i>Ruditapes philippinarum</i> (Adams & Reeve, 1850)	Present Study
	<i>Scacchia oblonga</i> (Philippi, 1836)	Doğan (2005)
	<i>Solemya togata</i> (Poli, 1795)	Doğan (2005)
	<i>Sphenia binghami</i> Turton, 1822	Doğan (2005)
	<i>Spisula subtruncata</i> (Da Costa, 1778)	Doğan (2005)
	<i>Striarca lactea</i> (Linnaeus, 1758)	Doğan (2005)
	<i>Talochlamys multistriata</i> (Poli, 1795) as	Present Study
	<i>Crassadoma multistriata</i> (Poli, 1795)	
	<i>Tellina distorta</i> Poli, 1791	Doğan (2005)
	<i>Tellina donacina</i> Linnaeus, 1758	Doğan (2005)
	<i>Tellina pulchella</i> Lamarck, 1818	Unpublished reports
	<i>Tellina serrata</i> Brocchi, 1814	Doğan (2005)
	<i>Thracia distorta</i> (Montagu, 1803)	Doğan (2005)
	<i>Thracia papyracea</i> (Poli, 1791)	Doğan (2005)
	<i>Thyasira flexuosa</i> (Montagu, 1803)	Doğan (2005)
	<i>Thyasira granulosa</i> (Monterosato, 1874)	Present Study
	<i>Timoclea ovata</i> (Pennant, 1777)	Albayrak (2000)
	<i>Venus verrucosa</i> Linnaeus, 1758	Unpublished reports
Cephalopoda	<i>Abraha veranyi</i> (Rüppell, 1844)	Erk (2001)
	<i>Argonauta argo</i> Linnaeus, 1758	Present Study

Table 1. Continued

Taxa	Species	Reference
	<i>Callistoctopus macropus</i> (Risso, 1826) as <i>Octopus macropus</i> Risso, 1826	Erk (2001)
	<i>Eledone cirrhosa</i> (Lamarck, 1798)	Erk (2001)
	<i>Eledone moschata</i> (Lamarck, 1798)	Erk (2001)
	<i>Illex coindetii</i> (Vérany, 1839)	Erk (2001)
	<i>Loligo vulgaris</i> Lamarck, 1798	Unpublished reports
	<i>Neorossia caroli</i> (Joubin, 1902)	Present Study
	<i>Octopus salutii</i> Vérany, 1836	Erk (2001)
	<i>Octopus vulgaris</i> Cuvier, 1797	Unpublished reports
	<i>Ocythoe tuberculata</i> Rafinesque, 1814	Unpublished reports
	<i>Pteroctopus tetracirrhus</i> (Delle Chiaje, 1830)	Erk (2001)
	<i>Rossia macrosoma</i> (Delle Chiaje, 1830)	Erk (2001)
	<i>Scaevurgus unircirrhus</i> (Delle Chiaje, 1841)	Erk (2001)
	<i>Sepia elegans</i> Blainville, 1827	Erk (2001)
	<i>Sepia officinalis</i> Linnaeus, 1758	Unpublished reports
	<i>Sepia orbignyana</i> Férussac, 1826	Erk (2001)
	<i>Sepiola robusta</i> Naef, 1912	Present Study
	<i>Sepiola rondeleti</i> Leach, 1834	Present Study
	<i>Todarodes sagittatus</i> (Lamarck, 1798)	Erk (2001)
	<i>Todaropsis eblanae</i> (Ball, 1841)	Erk (2001)
Scaphopoda	<i>Antalis vulgaris</i> (da Costa, 1778) as <i>Dentalium vulgare</i> da Costa, 1778	Unpublished reports
Gastropoda	<i>Acteon tornatilis</i> (Linnaeus, 1758)	Present Study
	<i>Alvania cimex</i> (Linnaeus, 1758)	Present Study
	<i>Alvania discors</i> (Allan, 1818)	Present Study
	<i>Anatoma crispata</i> (Fleming, 1828)	Present Study
	<i>Aplysia punctata</i> (Cuvier, 1803)	Unpublished reports
	<i>Aporrhais pespelecani</i> (Linnaeus, 1758)	Unpublished reports
	<i>Bittium reticulatum</i> (Da Costa, 1778)	Present Study
	<i>Bittium scabrum</i> (Olivi, 1792)	Present Study
	<i>Bolinus brandaris</i> (Linnaeus, 1758) as <i>Murex brandaris</i> Linnaeus, 1758	Unpublished reports
	<i>Bolma rugosa</i> (Linnaeus, 1767) as <i>Astraea rugosa</i> (Linnaeus, 1767)	Unpublished reports
	<i>Calliostoma conulum</i> (Linnaeus, 1758) as	Unpublished reports
	<i>Calliostoma conulus</i> (Linnaeus, 1758)	Unpublished reports
	<i>Calliostoma granulatum</i> (Born, 1778)	Present Study
	<i>Calliostoma ziphyphinum</i> (Linnaeus, 1758)	Albayrak (2001)
	<i>Calyptraea chinensis</i> (Linnaeus, 1758)	Present Study
	<i>Cerithiopsis jeffreysi</i> Watson, 1885	Öztürk <i>et al.</i> (2008)
	<i>Cerithium alucaster</i> (Brocchi, 1814)	Albayrak (2001)
	<i>Cerithium protractum</i> Bivona, Ant in Bivona, And., 1838	Albayrak (2001)
	<i>Cerithium scabridum</i> Philippi, 1848	Albayrak (2001)
	<i>Cerithium vulgatum</i> (Bruguiere, 1792)	Unpublished reports
	<i>Chrysallida emaciata</i> (Brusinai, 1866)	Er (2006)
	<i>Chrysallida excavata</i> (Philippi, 1836)	Er (2006)
	<i>Chrysallida interstincta</i> (Adams, J., 1797)	Er (2006)
	<i>Clanculus cruciatus</i> (Linnaeus, 1758)	Present Study
	<i>Columbella rustica</i> (Linnaeus, 1758)	Unpublished reports
	<i>Conus ventricosus</i> Gmelin, 1791 as <i>Conus mediterraneus</i> Hwass, 1792	Unpublished reports
	<i>Corallophila meyendorffi</i> (Calcara, 1845)	Unpublished reports
	<i>Diodora gibberula</i> (Lamarck, 1822)	Present Study

Tablo 1. Continued

Taxa	Species	Reference
	<i>Diodora italica</i> (Defrance, 1820)	Present Study
	<i>Emarginula adriatica</i> Costa, O. G., 1829	Present Study
	<i>Epitonium cantrainei</i> (Weinkauff, 1866)	Öztürk <i>et al.</i> (2008)
	<i>Erato voluta</i> (Montagu, 1803)	Albayrak (2001)
	<i>Erosaria spurca</i> (Linnaeus, 1758)	Present Study
	<i>Euspira fusca</i> (Blainville, 1825)	Present Study
	<i>Eulima glabra</i> (da Costa, 1778)	Öztürk <i>et al.</i> (2008)
	<i>Flabellina affinis</i> (Gmelin, 1791)	Present Study
	<i>Galeodea echinophora</i> (Linnaeus, 1758)	Present Study
	<i>Gibbula adansonii</i> (Payraudeau, 1826)	Unpublished reports
	<i>Gibbula adriatica</i> (Philippi, 1844)	Unpublished reports
	<i>Gibbula divaricata</i> (Linné, 1758)	Unpublished reports
	<i>Gibbula magus</i> (Linnaeus, 1758)	Unpublished reports
	<i>Gibbula varia</i> (Linnaeus, 1758)	Unpublished reports
	<i>Haliotis tuberculata tuberculata</i> Linnaeus, 1758 as <i>Haliotis lamellosa</i> Lamarck, 1822	Unpublished reports
	<i>Hexaplex trunculus</i> (Linnaeus, 1758) as <i>Murex</i> <i>trunculus</i> Linnaeus, 1758	Unpublished reports
	<i>Jujubinus exasperatus</i> (Pennant, 1777)	Present Study
	<i>Limacia clavigera</i> (O. F. Müller, 1776)	Present Study
	<i>Melarhaphé neritoides</i> (Linnaeus, 1758) as <i>Littorina neritoides</i> (Linnaeus, 1758)	Unpublished reports
	<i>Monophorus erythrosoma</i> (Bouchet and Guillemot, 1978)	Öztürk <i>et al.</i> (2008)
	<i>Murex adversus</i> Montagu, 1803	Öztürk <i>et al.</i> (2008)
	<i>Murexsul aradasii</i> (Monterosato, 1883) as <i>Muricopsis diadema</i> (Aradas, 1876)	Unpublished reports
	<i>Nassarius incrassatus</i> (Strøm, 1768)	Albayrak (2001)
	<i>Neverita josephinia</i> Risso, 1826	Present Study
	<i>Osilinus turbinatus</i> (Born, 1778)	Present Study
	<i>Patella caerulea</i> Linnaeus, 1758	Present Study
	<i>Patella rustica</i> Linnaeus, 1758 as <i>Patella</i> <i>lusitanica</i> Gmelin, 1791	Unpublished reports
	<i>Patella uyssiponensis</i> Gmelin, 1791	Present Study
	<i>Peltodoris atromaculata</i> Bergh, 1880	Present Study
	<i>Phalium granulatum</i> (Born, 1778)	Present Study
	<i>Phorcus turbinatus</i> (Born, 1778) as <i>Monodonta</i> <i>turbinata</i> Von Born, 1778	Unpublished reports
	<i>Pisania striata</i> (Gmelin, 1791)	Unpublished reports
	<i>Pleurobranchaea meckeli</i> (Blainville, 1825)	Present Study
	<i>Pusillina inconspicua</i> (Alder, 1844)	Present Study
	<i>Pyrunculus hoernesii</i> (Weinkauff, 1866)	Present Study
	<i>Ranella olearia</i> (Linnaeus, 1758)	Kabasakal and Kabasakal (2002)
	<i>Rapana venosa</i> (Valenciennes, 1846)	Unpublished reports
	<i>Rissoa membranacea</i> (Adams, J., 1800)	Present Study
	<i>Rissoa similis</i> Scacchi, 1836	Present Study
	<i>Scaphander lignarius</i> (Linnaeus, 1758)	Unpublished reports
	<i>Scissurella costata</i> D'Orbigny, 1824	Present Study
	<i>Skenea planorbis</i> (Fabricius, 1780)	Unpublished reports
	<i>Sticteulima jeffreysiana</i> (Brusina, 1869)	Öztürk <i>et al.</i> (2008)
	<i>Stramonita haemastoma</i> (Linnaeus, 1767) as <i>Thais</i> <i>haemastoma</i> (Linnaeus, 1758)	Unpublished reports
	<i>Strombus persicus</i> Swainson, 1821	Present Study

Table 1. Continued

Taxa	Species	Reference
	<i>Tonna galea</i> (Linnaeus, 1758) as <i>Dolium galea</i> (Linnaeus, 1758)	Unpublished reports
	<i>Tricolia pullus pullus</i> (Linnaeus, 1758)	Present Study
	<i>Tricolia tenuis</i> (Michaud, 1829)	Present Study
	<i>Turbonilla jeffreysii</i> (Jeffreys, 1848)	Er (2006)
	<i>Turbonilla rufa</i> (Philippi, 1836)	Er (2006)
	<i>Turritella communis</i> Risso, 1826	Unpublished reports
	<i>Turritella triplicata</i> Brocchi, 1814	Unpublished reports
	<i>Umbraculum umbraculum</i> (Lightfoot, 1786)	Present Study
	<i>Vermetus triquetrus</i> Ant. Bivona, 1832	Present Study
	<i>Vexillum ebenus</i> (Lamarck, 1811)	Albayrak (2001)
	<i>Vitreolina philippi</i> (Rayneval and Ponzi, 1854)	Öztürk <i>et al.</i> (2008)
Arthropoda		
Malacostraca	<i>Acanthonyx humulatus</i> (Risso, 1816)	Present Study
	<i>Achaeus cranchii</i> Leach, 1817	Ateş <i>et al.</i> (2006)
	<i>Achaeus gracilis</i> O. G. Costa, 1839	Ateş <i>et al.</i> (2006)
	<i>Aegaeon lacazei</i> (Gourret, 1887)	Present Study
	<i>Alpheus glaber</i> (Olivi, 1792)	Present Study
	<i>Alpheus macrocheles</i> (Hailstone, 1885)	Ateş <i>et al.</i> (2006)
	<i>Anapagurus bicorniger</i> A. Milne-Edwards & Bouvier, 1892	Balkis (2001)
	<i>Anapagurus laevis</i> (Bell, 1846)	Balkis (2001)
	<i>Atelecyclus rotundatus</i> (Olivi, 1792)	Balkis <i>et al.</i> (2001)
	<i>Athanas nitescens</i> (Leach, 1814)	Ateş <i>et al.</i> (2006)
	<i>Brachynotus sexdentatus</i> (Risso, 1827)	Balkis <i>et al.</i> (2001)
	<i>Calappa granulata</i> (Linnaeus, 1758)	Unpublished reports
	<i>Callinectes sapidus</i> Rathbun, 1896	Present Study
	<i>Calocaris macandreae</i> Bell, 1853	Present Study
	<i>Carcinus aestuarii</i> Nardo, 1847	Balkis <i>et al.</i> (2001)
	<i>Catapaguroides timidus</i> (Roux, 1830)	Balkis (2001)
	<i>Cestopagurus timidus</i> (Roux, 1830)	Balkis (2001)
	<i>Chibanarius erythropus</i> (Latreille, 1818)	Balkis (2001)
	<i>Chibanarius misanthropus</i> (Risso, 1827)	Balkis (2001)
	<i>Crangon crangon</i> (Linnaeus, 1758)	Present Study
	<i>Derilambrus angulifrons</i> (Latreille, 1825) as <i>Parthenope angulifrons</i> Latreille, 1825	Balkis <i>et al.</i> (2001)
	<i>Diogenes pugilator</i> (Roux, 1829)	Balkis (2001)
	<i>Diogenes varians</i> (Costa, 1838)	Balkis (2001)
	<i>Dromia personata</i> (Linnaeus, 1758)	Unpublished reports
	<i>Ebalia cranchii</i> Leach, 1817	Present Study
	<i>Eriphia verrucosa</i> (Forskål, 1775)	Unpublished reports
	<i>Ethusa mascarone</i> (Herbst, 1785)	Unpublished reports
	<i>Eupagurus meticulosus</i> Roux, 1830	Balkis (2001)
	<i>Eurynome aspera</i> (Pennant, 1777)	Balkis <i>et al.</i> (2001)
	<i>Galathea bolivari</i> Zariquiey Alvarez, 1950	Ateş <i>et al.</i> (2006)
	<i>Galathea intermedia</i> Lilljeborg, 1851	Ateş <i>et al.</i> (2006)
	<i>Galathea nexa</i> Embleton, 1834	Present Study
	<i>Galathea squamifera</i> Leach, 1814	Balkis (2001)
	<i>Galathea strigosa</i> (Linnaeus, 1761)	Present Study
	<i>Goneplax rhomboides</i> (Linnaeus, 1758)	Ateş <i>et al.</i> (2006)
	<i>Hippolyte inermis</i> Leach, 1815	Ateş <i>et al.</i> (2006)
	<i>Hippolyte leptocerus</i> (Heller, 1863)	Present Study
	<i>Homarus gammarus</i> (Linnaeus, 1758)	Unpublished reports

Tablo I. Continued

Taxa	Species	Reference
	<i>Ilia nucleus</i> (Linnaeus, 1758)	Unpublished reports
	<i>Inachus dorsettensis</i> (Pennant, 1777)	Balkis <i>et al.</i> (2001)
	<i>Liocarcinus corrugatus</i> (Pennant, 1777)	Unpublished reports
	<i>Liocarcinus depurator</i> (Linnaeus, 1758)	Present Study
	<i>Liocarcinus maculatus</i> (Risso, 1827)	Ateş <i>et al.</i> (2006)
	<i>Liocarcinus vernalis</i> (Risso, 1816)	Present Study
	<i>Lucifer typus</i> H. Milne Edwards, 1837	Present Study
	<i>Lysmata seticaudata</i> (Risso, 1816)	Ateş <i>et al.</i> (2006)
	<i>Macropodia linaresi</i> Forest & Zariquiey Alvarez, 1964	Balkis <i>et al.</i> (2001)
	<i>Macropodia longipes</i> (A. Milne-Edwards & Bouvier, 1899)	Present Study
	<i>Macropodia longirostris</i> (Fabricius, 1775)	Unpublished reports
	<i>Macropodia rostrata</i> (Linnaeus, 1761)	Balkis <i>et al.</i> (2001)
	<i>Macropodia tenuirostris</i> (Leach, 1814)	Balkis <i>et al.</i> (2001)
	<i>Maja crispata</i> Risso, 1827 as <i>Maia verrucosa</i> H. Milne Edwards, 1834	Unpublished reports
	<i>Maja squinado</i> (Herbst, 1788)	Unpublished reports
	<i>Medorippe lanata</i> (Linnaeus, 1767)	Balkis <i>et al.</i> (2001)
	<i>Melicertus kerathurus</i> (Forskål, 1775)	Present Study
	<i>Munida intermedia</i> A. Milne Edwards & Bouvier, 1899	Present Study
	<i>Munida tenuimana</i> Sars, 1872	Present Study
	<i>Nephrops norvegicus</i> (Linnaeus, 1758)	Unpublished reports
	<i>Nepinnotheres pinnotheres</i> (Linnaeus, 1758)	Balkis <i>et al.</i> (2001)
	<i>Pachygrapsus marmoratus</i> (Fabricius, 1787)	Unpublished reports
	<i>Paguristes eremita</i> (Linnaeus, 1767)	Balkis (2001)
	<i>Paguristes maculatus</i> (Risso, 1827)	Balkis (2001)
	<i>Pagurus anachoretus</i> Risso, 1827	Balkis (2001)
	<i>Pagurus cuanensis</i> Bell, 1846	Balkis (2001)
	<i>Pagurus excavatus</i> (Herbst, 1791)	Unpublished reports
	<i>Pagurus forbesii</i> Bell, 1845	Ateş <i>et al.</i> (2006)
	<i>Pagurus prideauxi</i> Leach, 1815	Balkis (2001)
	<i>Palaemon adspersus</i> Rathke, 1837	Present Study
	<i>Palaemon elegans</i> Rathke, 1837	Ateş <i>et al.</i> (2006)
	<i>Palaemon longirostris</i> H. Milne Edwards, 1837	Present Study
	<i>Palaemon serratus</i> (Pennant, 1777)	Present Study
	<i>Palinurus elephas</i> (Fabricius, 1787)	Unpublished reports
	<i>Parapenaeus longirostris</i> (Lucas, 1846)	Unpublished reports
	<i>Parthenopoides massena</i> (Roux, 1830) as <i>Parthenope massena</i> (Roux, 1830)	Balkis <i>et al.</i> (2001)
	<i>Pasiphaea multidentata</i> Esmark, 1866	Present Study
	<i>Pasiphaea sivado</i> (Risso, 1816)	Present Study
	<i>Pestarella tyrrhena</i> (Petagna, 1792)	Present Study
	<i>Philocheras bispinosus</i> (Hailstone, 1835)	Ateş <i>et al.</i> (2006)
	<i>Philocheras sculptus</i> (Bell, 1847)	Ateş <i>et al.</i> (2006)
	<i>Pilumnus hirtellus</i> (Linnaeus, 1761)	Unpublished reports
	<i>Pilumnus spinifer</i> H. Milne Edwards, 1834	Present Study
	<i>Pirimela denticulata</i> (Montagu, 1808)	Balkis <i>et al.</i> (2001)
	<i>Pisa armata</i> (Latreille, 1803)	Unpublished reports
	<i>Pisa nodipes</i> (Leach, 1815)	Unpublished reports
	<i>Pisa tetraodon</i> (Pennant, 1777)	Balkis <i>et al.</i> (2001)
	<i>Pisidia bluteli</i> (Risso, 1816)	Balkis (2001)
	<i>Pisidia longicornis</i> (Linnaeus, 1767)	Present Study

Tablo 1. Continued

Taxa	Species	Reference
Maxillopoda	<i>Pisidia longimana</i> (Risso, 1816)	Balkıs (2001)
	<i>Plesionika acanthonotus</i> (Smith, 1882)	Present Study
	<i>Plesionika edwardsii</i> (Brandt, 1851)	Present Study
	<i>Plesionika heterocarpus</i> (A. Costa, 1871)	Present Study
	<i>Plesionika martia</i> (A. Milne-Edwards, 1883)	Present Study
	<i>Polybius (Necora) corrugatus</i> (Pennant, 1777)	Balkıs <i>et al.</i> (2001)
	<i>Polybius arcuatus</i> (Leach, 1814)	Balkıs <i>et al.</i> (2001)
	<i>Polybius depurator</i> (Linnaeus, 1758)	Balkıs <i>et al.</i> (2001)
	<i>Polycheles typhlops</i> Heller, 1862	Present Study
	<i>Pontonia pinnophylax</i> (Otto, 1821) as <i>Pontonia custos</i> Guérin, 1832	Unpublished reports
	<i>Porcellana platycheles</i> (Pennant, 1777)	Balkıs (2001)
	<i>Processa macrodactyla</i> Holthuis, 1952	Ateş <i>et al.</i> (2006)
	<i>Processa macrophthalma</i> Nouvel & Holthuis, 1957	Ateş <i>et al.</i> (2006)
	<i>Processa modica</i> Williamson & Rochanburanon, 1979	Ateş <i>et al.</i> (2006)
	<i>Processa noveli</i> Al-Adhub & Williamson, 1975	Ateş <i>et al.</i> (2006)
	<i>Scyllarus arctus</i> (Linnaeus, 1758)	Unpublished reports
	<i>Solenocera membranacea</i> (Risso, 1816)	Present Study
	<i>Spinolambrus macrochelos</i> (Herbst, 1790)	Present Study
	<i>Squilla mantis</i> (Linnaeus, 1758)	Unpublished reports
	<i>Upogebia pusilla</i> (Petagna, 1792)	Ateş <i>et al.</i> (2006)
	<i>Xantho pilipes</i> A. Milne-Edwards, 1867	Balkıs <i>et al.</i> (2001)
	<i>Xantho poressa</i> (Olivi, 1792)	Balkıs <i>et al.</i> (2001)
	<i>Amphibalanus amphitrite</i> (Darwin 1854) as <i>Balanus amphitrite</i> Darwin, 1854	Unpublished reports
	<i>Amphibalanus eburneus</i> (Gould, 1841)	Present Study
	<i>Amphibalanus improvisus</i> (Darwin, 1854)	Present Study
	<i>Chthamalus stellatus</i> (Poli 1791)	Unpublished reports
	<i>Lepas anatifera</i> (Linnaeus 1767)	Present Study
	<i>Perforatus perforatus</i> (Bruguier 1789) as <i>Balanus perforatus</i> Bruguier, 1789	Present Study
<i>Scalpellum scalpellum</i> (Linnaeus 1767)	Topaloğlu and Gönülal (2012)	
Brachiopoda		
Rhynchonellata	<i>Gryphus vitreus</i> (Born, 1778)	Present Study
Bryozoa		
Gymnolaemata	<i>Amathia lendigera</i> (Linnaeus, 1758)	Unpublished reports
	<i>Beania magellanica</i> (Busk, 1852)	Unpublished reports
	<i>Caberea boryi</i> (Audouin, 1826)	Present Study
	<i>Calpensia nobilis</i> (Esper, 1796)	Present Study
	<i>Cellaria fistulosa</i> (Linnaeus, 1758)	Unpublished reports
	<i>Cellaria salicornioides</i> Lamouroux, 1816 as <i>Cellaria johnsoni</i> Busk	Unpublished reports
	<i>Chlidonia pyriformis</i> (Bertoloni, 1810)	Unpublished reports
	<i>Electra monostachys</i> (Busk, 1854)	Present Study
	<i>Hippaliosina depressa</i> (Busk, 1854)	Present Study
	<i>Mimosella gracilis</i> Hincks, 1851	Present Study
	<i>Reteporella beaniana</i> (King, 1846) as <i>Sertella beaniana</i> (King, 1846)	Unpublished reports
	Stenolaemata	<i>Crisia eburnea</i> (Linnaeus, 1758)
<i>Hornera frondiculata</i> (Lamarck, 1816)		Unpublished reports

Tablo 1. Continued

Taxa	Species	Reference
	<i>Hornera lichenoides</i> (Linnaeus, 1758)	Unpublished reports
	<i>Idmidronea bidenkapi</i> (Kluge, 1955)	Present Study
	<i>Fron dipora verrucosa</i> (Lamouroux, 1821)	Unpublished reports
Spinculida		
Sipunculidea	<i>Golfingia (Golfingia) elongata</i> (Keferstein, 1862)	Çınar (2007)
	<i>Golfingia (Golfingia) vulgaris vulgaris</i> (de Blainville, 1827)	Çınar (2007)
	<i>Thysanocardia procera</i> (Möbius, 1875)	Çınar (2007)
	<i>Onchnesoma steenstrupii steenstrupii</i> Koren & Danielssen, 1876	Çınar (2007)
Phascolosomatidea	<i>Apionsoma (Apionsoma) misakianum</i> (Ikeda, 1904)	Çınar (2007)
	<i>Aspidosiphon (Akrikos) mexicanus</i> (Murina, 1967)	Çınar (2007)
	<i>Aspidosiphon (Aspidosiphon) muelleri</i> Diesing, 1851	Çınar (2007)
Echinodermata		
Asteroidea	<i>Anseropoda placenta</i> (Pennant, 1777)	Unpublished reports
	<i>Asterina gibbosa</i> (Pennant, 1777)	Unpublished reports
	<i>Asterina pancerii</i> (Gasco, 1870)	Aslan-Cihangir (2012)
	<i>Astropecten aranciacus</i> (Linnaeus, 1758) as	Unpublished reports
	<i>Astropecten aurantiaca</i> Gray, 1840	
	<i>Astropecten articulatus</i> (Say, 1825)	Unpublished reports
	<i>Astropecten bispinosus</i> (Otto, 1823)	Present Study
	<i>Astropecten spinulosus</i> (Philippi, 1837)	Unpublished reports
	<i>Chaetaster longipes</i> (Retzius, 1805)	Present Study
	<i>Coscinasterias tenuispina</i> (Lamarck, 1816)	Unpublished reports
	<i>Hymenodiscus coronata</i> (Sars G.O., 1872) as	
	<i>Brisingella coronata</i> (G.O. Sars, 1871)	Özaydin <i>et al.</i> (1995)
	<i>Echinaster sepositus</i> (Retzius, 1783)	Present Study
	<i>Luidia ciliaris</i> (Philippi, 1837)	Unpublished reports
	<i>Luidia sarsii</i> Düben & Koren, in Düben, 1845	Aslan-Cihangir (2012)
	<i>Marthasterias glacialis</i> (Linnaeus, 1758)	Unpublished reports
	<i>Ophidiaster ophidianus</i> (de Lamarck, 1816)	Present Study
	<i>Peltaster placenta</i> (Müller & Troschel, 1842) as	
	<i>Ceramaster placenta</i> Fisher, 1911	Unpublished reports
	<i>Echinaster (Echinaster) sepositus</i> (Retzius, 1783)	Unpublished reports
Crinoidea	<i>Antedon mediterranea</i> (Lamarck, 1816)	Unpublished reports
Echinoidea	<i>Arbacia lixula</i> (Linnaeus, 1758)	Aslan-Cihangir (2012)
	<i>Brissopsis lyrifera</i> (Forbes, 1841)	Özaydin <i>et al.</i> (1995)
	<i>Brissus unicolor</i> (Leske, 1778)	Unpublished reports
	<i>Centrostephanus longispinus</i> (Philippi, 1845)	Unpublished reports
	<i>Cidaris cidaris</i> (Linnaeus, 1758)	Özaydin <i>et al.</i> (1995)
	<i>Echinocardium cordatum</i> (Pennant, 1777)	Aslan-Cihangir (2012)
	<i>Echinocardium mediterraneum</i> (Forbes, 1844)	Present Study
	<i>Echinocyamus pusillus</i> (O.F. Müller, 1776)	Unpublished reports
	<i>Echinus melo</i> Lamarck, 1816	Unpublished reports
	<i>Genocidaris maculata</i> A. Agassiz, 1869	Present Study
	<i>Ova canaliferus</i> (Lamarck, 1816) as <i>Schizaster canaliferus</i> (Lamarck, 1816)	Unpublished reports
	<i>Paracentrotus lividus</i> (Lamarck, 1816)	Aslan-Cihangir (2012)
	<i>Psammechinus microtuberculatus</i> (Blainville, 1825)	Unpublished reports
	<i>Sphaerechinus granularis</i> (Lamarck, 1816)	Unpublished reports

Tablo 1. Continued

Taxa	Species	Reference	
Holothuroidea	<i>Spatangus purpureus</i> O.F. Müller, 1776	Unpublished reports	
	<i>Stylocidaris affinis</i> (Philippi, 1845)	Present Study	
	<i>Ova canaliferus</i> (Lamarck, 1816)	Present Study	
	<i>Leptopentacta tergestina</i> (M. Sars, 1857) as		
	<i>Cucumaria tergestina</i> Sars M, 1857	Unpublished reports	
	<i>Holothuria (Holothuria) tubulosa</i> Gmelin, 1791	Aslan-Cihangir (2012)	
	<i>Holothuria (Rowethuria) poli</i> Delle Chiaje, 1824	Aslan-Cihangir (2012)	
	<i>Holothuria (Thymiosycia) impatiens</i> (Forskål, 1775)	Aslan-Cihangir (2012)	
Ophiuroidea	<i>Holothuria mammata</i> Grube, 1840	Aslan-Cihangir (2012)	
	<i>Parastichopus regalis</i> (Cuvier, 1817) as <i>Stichopus regalis</i> (Cuvier, 1817)	Unpublished reports	
	<i>Amphipholis squamata</i> (Delle Chiaje, 1828)	Aslan-Cihangir (2012)	
	<i>Amphiura chiajei</i> Forbes, 1843	Özaydin <i>et al.</i> (1995)	
	<i>Ophioderma longicauda</i> (Retzius, 1805)	Aslan-Cihangir (2012)	
	<i>Ophiothrix fragilis</i> (Abildgaard, in O.F. Müller, 1789)	Unpublished reports	
	<i>Ophiacantha setosa</i> (Bruzelius, 1805)	Present Study	
	<i>Ophiura albida</i> Forbes, 1839	Unpublished reports	
	<i>Ophiomyxa pentagona</i> (Lamarck, 1816)	Present Study	
	<i>Ophiura grubei</i> Heller, 1863	Aslan-Cihangir (2012)	
<i>Ophiura ophiura</i> (Linnaeus, 1758) as <i>Ophiura lacertosa</i> Lamarck, 1801	Unpublished reports		
CHORDATA			
Ascidacea	<i>Aphidium conicum</i> (Olivi, 1792)	Present Study	
	<i>Ascidia mentula</i> Müller, 1776	Present Study	
	<i>Ascidiaella aspersa</i> (Müller, 1776)	Present Study	
	<i>Botryllus schlosseri</i> (Pallas, 1766)	Unpublished reports	
	<i>Didemnum maculosum</i> (Milne-Edwards, 1841)	Present Study	
	<i>Halocynthia papillosa</i> (Linnaeus, 1767)	Unpublished reports	
	<i>Microcosmus vulgaris</i> Heller, 1877 as		
	<i>Microcosmus sulcatus</i> (Coquebert, 1797)	Unpublished reports	
	<i>Molgula manhattensis</i> (De Kay, 1841)	Present Study	
	<i>Phallusia mammillata</i> (Cuvier, 1815)	Unpublished reports	
	<i>Styela plicata</i> (Lesueur, 1823)	Unpublished reports	
	Holocephali Elasmobranchii	<i>Chimaera monstrosa</i> Linnaeus, 1758	Türetken (2009)
		<i>Dalatis licha</i> (Bonnaterre, 1788)	Türetken (2009)
		<i>Dasyatis pastinaca</i> (Linnaeus, 1758)	Ulutürk (1987)
		<i>Dasyatis tortonesei</i> Capapé, 1975	Present Study
<i>Etmopterus spinax</i> (Linnaeus, 1758)		Türetken (2009)	
<i>Galeus melastomus</i> Rafinesque, 1810		Türetken (2009)	
<i>Mustelus asterias</i> Cloquet, 1821		Present Study	
<i>Mustelus mustelus</i> (Linnaeus, 1758)		Ulutürk (1987)	
<i>Myliobatis aquila</i> (Linnaeus, 1758)		Keskin and Ünsal (1998)	
<i>Oxymotus centrina</i> (Linnaeus, 1758)		Türetken (2009)	
<i>Prionace glauca</i> (Linnaeus, 1758)		Ulutürk (1987)	
<i>Raja clavata</i> Linnaeus, 1758		Ulutürk (1987)	
<i>Raja miraletus</i> Linnaeus, 1758		Ulutürk (1987)	
<i>Raja radula</i> Delaroche, 1809		Ulutürk (1987)	
<i>Rostraraja alba</i> (Lacepède, 1803)		Karakulak <i>et al.</i> (2006)	
<i>Rhinobatos rhinobatos</i> (Linnaeus, 1758)	Ulutürk (1987)		
<i>Scyliorhinus canicula</i> (Linnaeus, 1758)	Ulutürk (1987)		

Tablo 1. Continued

Taxa	Species	Reference
Actinopterygii	<i>Sphyrna zygaena</i> (Linnaeus, 1758)	Ulutürk (1987)
	<i>Squalus blainville</i> (Risso, 1827)	Ulutürk (1987)
	<i>Squatina squatina</i> (Linnaeus, 1758)	Ulutürk (1987)
	<i>Torpedo marmorata</i> Risso, 1810	Ulutürk (1987)
	<i>Torpedo nobiliana</i> Bonaparte, 1835	Keskin and Ünsal (1998)
	<i>Alosa fallax</i> (Lacepède, 1803)	Ulutürk (1987)
	<i>Anguilla anguilla</i> (Linnaeus, 1758)	Ulutürk (1987)
	<i>Anthias anthias</i> (Linnaeus, 1758)	Ulutürk (1987)
	<i>Apogon imberbis</i> (Linnaeus, 1758)	Ulutürk (1987)
	<i>Argentina syphraena</i> Linnaeus, 1758	Türetken (2009)
	<i>Argyropelecus hemigymmus</i> Cocco, 1829	Türetken (2009)
	<i>Arnoglossus imperialis</i> (Rafinesque, 1810)	Keskin and Ünsal (1998)
	<i>Arnoglossus laterna</i> (Walbaum, 1792)	Ulutürk (1987)
	<i>Arnoglossus thori</i> Kyle, 1913	Keskin and Ünsal (1998)
	<i>Atherina hepsetus</i> Linnaeus, 1758	Ulutürk (1987)
	<i>Atherina presbyter</i> Cuvier, 1829	Ulutürk (1987)
	<i>Aulopus filamentosus</i> (Bloch, 1792)	Present Study
	<i>Auxis rochei rochei</i> (Risso, 1810)	Ulutürk (1987)
	<i>Balistes capriscus</i> Gmelin, 1789 as <i>Balistes arolinensis</i> Gmelin, 1789	Ulutürk (1987)
	<i>Belone belone</i> (Linnaeus, 1761)	Ulutürk (1987)
	<i>Benthoosema glaciale</i> (Reinhardt, 1837)	Türetken (2009)
	<i>Blennius ocellaris</i> Linnaeus, 1758	Ulutürk (1987)
	<i>Boops boops</i> (Linnaeus, 1758)	Ulutürk (1987)
	<i>Bothus podas</i> (Delaroche, 1809)	Ulutürk (1987)
	<i>Buglossidium luteum</i> (Risso, 1810)	Ulutürk (1987)
	<i>Callanthias ruber</i> (Rafinesque, 1810)	Present Study
	<i>Callionymus pusillus</i> Delaroche, 1809	Present Study
	<i>Callionymus lyra</i> Linnaeus, 1758	Keskin and Ünsal (1998)
	<i>Capros aper</i> (Linnaeus, 1758)	Keskin and Ünsal (1998)
	<i>Cepola macrophthalmal</i> (Linnaeus, 1758)	Ulutürk (1987)
	<i>Ceratoscopelus maderensis</i> (Lowe, 1839)	Türetken (2009)
	<i>Chelidonichthys lucerna</i> (Linnaeus, 1758) as	
	<i>Trigla lucerna</i> Linnaeus, 1758	Ulutürk (1987)
	<i>Chelon labrosus</i> (Risso, 1827)	Ulutürk (1987)
	<i>Chlopsis bicolor</i> Rafinesque, 1810	Türetken (2009)
	<i>Chlorophthalmus agassizi</i> Bonaparte, 1840	Türetken (2009)
	<i>Chromis chromis</i> (Linnaeus, 1758)	Ulutürk (1987)
<i>Citharus linguatula</i> (Linnaeus, 1758) as <i>Citharus macrolepidotus</i> (Bloch, 1787)	Ulutürk (1987)	
<i>Coelorhynchus coelorhynchus</i> (Risso, 1810)	Türetken (2009)	
<i>Conger conger</i> (Linnaeus, 1758)	Ulutürk (1987)	
<i>Coris julis</i> (Linnaeus, 1758)	Ulutürk (1987)	
<i>Coryphaena hippurus</i> Linnaeus, 1758	Present Study	
<i>Coryphoblennius galerita</i> (Linnaeus, 1758)	Ulutürk (1987)	
<i>Dactylopterus volitans</i> (Linnaeus, 1758) as		
<i>Cephalacanthus volitans</i> (Linnaeus, 1758)	Ulutürk (1987)	
<i>Dentex dentex</i> (Linnaeus, 1758)	Ulutürk (1987)	
<i>Dentex maroccanus</i> Valenciennes, 1830	Ulutürk (1987)	

Tablo 1. Continued

Taxa	Species	Reference
	<i>Diaphus holti</i> Taning, 1918	Türetken (2009)
	<i>Dicentrarchus labrax</i> (Linnaeus, 1758)	Ulutürk (1987)
	<i>Diplodus annularis</i> (Linnaeus, 1758)	Ulutürk (1987)
	<i>Diplodus puntazzo</i> (Walbaum, 1792) as <i>Puntazzo puntazzo</i> (Walbaum, 1792)	Ulutürk (1987)
	<i>Diplodus sargus sargus</i> (Linnaeus, 1758)	Ulutürk (1987)
	<i>Diplodus vulgaris</i> (Geoffroy Saint-Hilaire, 1817)	Ulutürk (1987)
	<i>Dipturus oxyrinchus</i> (Linnaeus, 1758)	Türetken (2009)
	<i>Echelus myrus</i> (Linnaeus, 1758)	Ulutürk (1987)
	<i>Echiichthys vipera</i> (Cuvier, 1829) as <i>Trachinus vipera</i> Cuvier, 1829	Ulutürk (1987)
	<i>Engraulis encrasicolus</i> (Linnaeus, 1758)	Ulutürk (1987)
	<i>Epinephelus alexandrinus</i> (Valenciennes, 1828) as	Ulutürk (1987)
	<i>Epinephelus fasciatus</i> (Forsskål, 1775)	
	<i>Epinephelus marginatus</i> (Lowe, 1834) as	Ulutürk (1987)
	<i>Epinephelus guaza</i> (Linnaeus, 1758)	
	<i>Eutrigla gurnardus</i> (Linnaeus, 1758)	Ulutürk (1987)
	<i>Gadiculus argenteus argenteus</i> Guichenot, 1850	Türetken (2009)
	<i>Gaidropsarus biscayensis</i> (Collett, 1890)	Present Study
	<i>Gaidropsarus mediterraneus</i> (Linnaeus, 1758)	Ulutürk (1987)
	<i>Gobius cobitis</i> Pallas, 1814	Ulutürk (1987)
	<i>Gobius niger</i> Linnaeus, 1758	Ulutürk (1987)
	<i>Gobius paganellus</i> Linnaeus, 1758	Ulutürk (1987)
	<i>Helicolenus dactylopterus</i> (Delaroche, 1809)	Türetken (2009)
	<i>Hippocampus guttulatus</i> Cuvier, 1829 as	
	<i>Hippocampus ramulosus</i> Leach, 1814	Ulutürk (1987)
	<i>Hoplostethus mediterraneus</i> Cuvier, 1829	Türetken (2009)
	<i>Hygophum benoiti</i> (Cocco, 1838)	Türetken (2009)
	<i>Hymenocephalus italicus</i> Giglioli, 1884	Türetken (2009)
	<i>Labrus bergylta</i> Ascanius, 1767	Ulutürk (1987)
	<i>Labrus merula</i> Linnaeus, 1758	Ulutürk (1987)
	<i>Labrus mixtus</i> Linnaeus, 1758 as <i>Labrus bimaculatus</i> Linnaeus, 1758	Ulutürk (1987)
	<i>Labrus viridis</i> Linnaeus, 1758	Ulutürk (1987)
	<i>Lagocephalus lagocephalus lagocephalus</i> (Linnaeus, 1758)	Present Study
	<i>Lagocephalus spadiceus</i> (Richardson, 1845)	Present Study
	<i>Lepadogaster candolii</i> Risso, 1810	Ulutürk (1987)
	<i>Lepidopus caudatus</i> (Euphrasen, 1788)	Ulutürk (1987)
	<i>Lepidorhombus boscii</i> (Risso, 1810)	Türetken (2009)
	<i>Lepidotrigla cavillone</i> (Lacépède, 1801)	Ulutürk (1987)
	<i>Lesueurigobius freisii</i> (Malm, 1874)	Türetken (2009)
	<i>Leucoraja naevus</i> (Müller & Henle, 1841)	Present Study
	<i>Lichia amia</i> (Linnaeus, 1758)	Ulutürk (1987)
	<i>Lithognathus mormyrus</i> (Linnaeus, 1758)	Ulutürk (1987)
	<i>Liza aurata</i> (Risso, 1810)	Ulutürk (1987)
	<i>Liza carinata</i> (Valenciennes, 1836)	Ulutürk (1987)
	<i>Liza ramada</i> (Risso, 1827)	Ulutürk (1987)
	<i>Lobianchia dofleini</i> (Zugmayer, 1911)	Türetken (2009)
	<i>Lobotes surinamensis</i> (Bloch, 1790)	Present Study
	<i>Lophius budegassa</i> Spinola, 1807	Keskin and Ünsal (1998)
	<i>Lophius piscatorius</i> Linnaeus, 1758	Ulutürk (1987)
	<i>Macroramphosus gracilis</i> (Lowe, 1839)	Present Study

Tablo 1. Continued

Taxa	Species	Reference
	<i>Merlangius merlangus</i> (Linnaeus, 1758)	Ulutürk (1987)
	<i>Merluccius merluccius</i> (Linnaeus, 1758)	Ulutürk (1987)
	<i>Microchirus ocellatus</i> (Linnaeus, 1758)	Ulutürk (1987)
	<i>Microchirus variegatus</i> (Donovan, 1808)	Ulutürk (1987)
	<i>Micromesistius poutassou</i> (Risso, 1827)	Ulutürk (1987)
	<i>Mobula mobular</i> (Bonnaterre, 1788)	Ulutürk (1987)
	<i>Mola mola</i> (Linnaeus, 1758)	Ulutürk (1987)
	<i>Molva dipterygia</i> (Pennant, 1784)	Türetken (2009)
	<i>Monochirus hispidus</i> Rafinesque, 1814	Ulutürk (1987)
	<i>Mugil cephalus</i> Linnaeus, 1758	Ulutürk (1987)
	<i>Mullus barbatus barbatus</i> Linnaeus, 1758	Ulutürk (1987)
	<i>Mullus surmuletus</i> Linnaeus, 1758	Ulutürk (1987)
	<i>Muraena helena</i> Linnaeus, 1758	Ulutürk (1987)
	<i>Myctophum nitidulum</i> Garman, 1899	Ulutürk (1987)
	<i>Naucrates ductor</i> (Linnaeus, 1758)	Ulutürk (1987)
	<i>Nezumia sclerorhynchus</i> (Valenciennes, 1838)	Türetken (2009)
	<i>Notoscopelus elongatus</i> (Costa, 1844)	Türetken (2009)
	<i>Oblada melanura</i> (Linnaeus, 1758)	Ulutürk (1987)
	<i>Oedalechilus labeo</i> (Cuvier, 1829)	Ulutürk (1987)
	<i>Ophidion barbatum</i> Linnaeus, 1758	Ulutürk (1987)
	<i>Ophisurus serpens</i> (Linnaeus, 1758)	Karakulak <i>et al.</i> (2006)
	<i>Pagellus acarne</i> (Risso, 1827)	Ulutürk (1987)
	<i>Pagellus bogaraveo</i> (Brünnich, 1768)	Ulutürk (1987)
	<i>Pagellus erythrinus</i> (Linnaeus, 1758)	Ulutürk (1987)
	<i>Pagrus pagrus</i> (Linnaeus, 1758) as <i>Sparus pagrus</i> Linnaeus, 1758	Ulutürk (1987)
	<i>Parablemnus gattorugine</i> (Linnaeus, 1758) as <i>Blennius gattorugine</i> Linnaeus, 1758	Ulutürk (1987)
	<i>Parablemnus sanguinolentus</i> (Pallas, 1814) as <i>Blennius sanguinolentus</i> Pallas, 1814	Ulutürk (1987)
	<i>Parablemnus tentacularis</i> (Brünnich, 1768) as <i>Blennius tentacularis</i> Brünnich, 1768	Ulutürk (1987)
	<i>Pegusa lascaris</i> (Risso, 1810) as <i>Solea lascaris</i> (Risso, 1810)	Ulutürk (1987)
	<i>Pegusa nasuta</i> (Pallas, 1814) as <i>Solea nasuta</i> (Pallas, 1814)	Ulutürk (1987)
	<i>Peristedion cataphractum</i> (Linnaeus, 1758)	Ulutürk (1987)
	<i>Phycis blennoides</i> (Brünnich, 1768)	Keskin and Ünsal (1998)
	<i>Phycis phycis</i> (Linnaeus, 1766)	Ulutürk (1987)
	<i>Platichthys flesus</i> (Linnaeus, 1758)	Ulutürk (1987)
	<i>Polyprion americanus</i> (Bloch & Schneider, 1801)	Ulutürk (1987)
	<i>Pomatomus saltatrix</i> (Linnaeus, 1766)	Ulutürk (1987)
	<i>Pomatoschistus marmoratus</i> (Risso, 1810)	Ulutürk (1987)
	<i>Ranzania laevis</i> (Pennant, 1776)	Ulutürk (1987)
	<i>Remora remora</i> (Linnaeus, 1758)	Present Study
	<i>Sarda sarda</i> (Bloch, 1793)	Ulutürk (1987)
	<i>Sardina pilchardus</i> (Walbaum, 1792)	Ulutürk (1987)
	<i>Sardinella aurita</i> Valenciennes, 1847	Ulutürk (1987)
	<i>Sardinella maderensis</i> (Lowe, 1838)	Ulutürk (1987)
	<i>Sarpa salpa</i> (Linnaeus, 1758)	Ulutürk (1987)
	<i>Sciæna umbra</i> Linnaeus, 1758	Ulutürk (1987)

Tablo 1. Continued

Taxa	Species	Reference
	<i>Scomber japonicus</i> Houuttuyn, 1782	Ulutürk (1987)
	<i>Scomber scombrus</i> Linnaeus, 1758	Ulutürk (1987)
	<i>Scophthalmus rhombus</i> (Linnaeus, 1758)	Ulutürk (1987)
	<i>Scorpaena notata</i> Rafinesque, 1810	Ulutürk (1987)
	<i>Scorpaena porcus</i> Linnaeus, 1758	Ulutürk (1987)
	<i>Scorpaena scrofa</i> Linnaeus, 1758	Ulutürk (1987)
	<i>Seriola dumerili</i> (Risso, 1810)	Ulutürk (1987)
	<i>Serranus cabrilla</i> (Linnaeus, 1758)	Ulutürk (1987)
	<i>Serranus hepatus</i> (Linnaeus, 1758)	Ulutürk (1987)
	<i>Serranus scriba</i> (Linnaeus, 1758)	Ulutürk (1987)
	<i>Solea solea</i> (Linnaeus, 1758) as <i>Solea vulgaris</i> Quensel, 1806	Ulutürk (1987)
	<i>Sparus aurata</i> Linnaeus, 1758	Ulutürk (1987)
	<i>Sphyaena sphyraena</i> (Linnaeus, 1758)	Ulutürk (1987)
	<i>Sphyaena viridensis</i> Cuvier, 1829	Present Study
	<i>Spicara maena</i> (Linnaeus, 1758)	Ulutürk (1987)
	<i>Spicara smaris</i> (Linnaeus, 1758)	Ulutürk (1987)
	<i>Spondyliosoma cantharus</i> (Linnaeus, 1758)	Ulutürk (1987)
	<i>Symphodus cinereus</i> (Bonnaterre, 1788)	Ulutürk (1987)
	<i>Symphodus doderleini</i> Jordan, 1890	Ulutürk (1987)
	<i>Symphodus mediterraneus</i> (Linnaeus, 1758)	Ulutürk (1987)
	<i>Symphodus ocellatus</i> (Linnaeus, 1758)	Ulutürk (1987)
	<i>Symphodus roissali</i> (Risso, 1810)	Keskin and Ünsal (1998)
	<i>Symphodus rostratus</i> (Bloch, 1791)	Keskin and Ünsal (1998)
	<i>Symphodus tinca</i> (Linnaeus, 1758)	Keskin and Ünsal (1998)
	<i>Synapturichthys kleinii</i> (Risso, 1827) as <i>Solea kleini</i> (Risso, 1827)	Ulutürk (1987)
	<i>Synchiropus phaeton</i> (Günther, 1861)	Türetken (2009)
	<i>Syngnathus acus</i> Linnaeus, 1758	Ulutürk (1987)
	<i>Syngnathus typhle</i> Linnaeus, 1758	Ulutürk (1987)
	<i>Tetrapturus belone</i> Rafinesque, 1810	Present Study
	<i>Thalassoma pavo</i> (Linnaeus, 1758)	Ulutürk (1987)
	<i>Thunnus thynnus</i> (Linnaeus, 1758)	Ulutürk (1987)
	<i>Trachinotus ovatus</i> (Linnaeus, 1758)	Present Study
	<i>Trachinus araneus</i> Cuvier, 1829	Ulutürk (1987)
	<i>Trachinus draco</i> Linnaeus, 1758	Ulutürk (1987)
	<i>Trachinus radiatus</i> Cuvier, 1829	Ulutürk (1987)
	<i>Trachinus vipera</i> Cuvier, 1829	Ulutürk (1987)
	<i>Trachipterus trachipterus</i> (Gmelin, 1789)	Ulutürk (1987)
	<i>Trachurus mediterraneus</i> (Steindachner, 1868)	Ulutürk (1987)
	<i>Trachurus trachurus</i> (Linnaeus, 1758)	Ulutürk (1987)
	<i>Trachyrincus trachyrincus</i> (Risso, 1810)	Ulutürk (1987)
	<i>Trigla lyra</i> Linnaeus, 1758	Ulutürk (1987)
	<i>Trigloporus lastoviza</i> (Bonnaterre, 1788)	Ulutürk (1987)
	<i>Trisopterus minutus</i> (Linnaeus, 1758)	Ulutürk (1987)
	<i>Umbrina cirrosa</i> (Linnaeus, 1758)	Ulutürk (1987)
	<i>Uranoscopus scaber</i> Linnaeus, 1758	Ulutürk (1987)
	<i>Xiphias gladius</i> Linnaeus, 1758	Ulutürk (1987)
	<i>Xyrichtys novacula</i> (Linnaeus, 1758)	Present Study
	<i>Zeus faber</i> Linnaeus, 1758	Ulutürk (1987)

Discussion

The marine fauna of the northeastern part of the Aegean Sea has been studied in detail but few papers refer to specific taxa and only twelve studies included all zoobenthic taxa (Antoniadou and Chintiroglou 2005; Antoniadou *et al.* 2005; De Raedemaeker 2010).

Peracarida and Annelida are not included in this study, thus it is quite difficult to give comparative remarks. Antoniadou and Chintiroglou (2005) studied spatial dispersion of zoobenthos from sublittoral hard substrate communities in the northern part of the Aegean Sea located in Chalkidiki Peninsula and collected 314 species (at three depth levels; 15, 30, 40 m). Bilecenoglu *et al.* (2002) reported 389 pisces species from the Turkish Aegean Sea, whereas in this study a total of 202 fish alien species have been reviewed in the studied area.

Besides, *Callinectes sapidus*, blue crab is established in the waters of the Gökçeada Island. Juveniles are observed which indicate that they reproduce along the coasts. It can be commercially fished soon. Erk (2009) reported two invertebrates and two fish species around Gökçeada but not the blue crab.

“Gökçeada Underwater Marine Park” was established for the first time on the Turkish coast. Marine parks are established for various reasons such as to protect the specific marine site, to guarantee the habitats which are important for the endangered and endemic species. The island is on the way of the migration path of the marine lives between the Black Sea and Mediterranean and its own marine life is also rich on fauna and flora.

Gökçeada Marine Park helps to preserve the region's rich habitat diversity. Before the area was designated a marine reserve, the greatest danger to marine biodiversity in the region was non-sustainable fishing and tourism. Illegal diving and night spear fishing were also rampant in the region.

There are still gaps in detailed systematic data on some of the Aegean island. It is only after such systematic work in different parts of the Aegean that a clear picture can emerge about the regional biodiversity.

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Türkiye denizleri için yeni kayıt *Gryphus vitreus* (Born, 1778) (Brachiopoda, Rhynchonellata) ile Gökçeada (Kuzey Ege) kıta sahanlığı Makrofauna listesi

Özet

Gökçeada'da (Kuzey Ege Denizi) 1973-2013 yılları arasında yapılan çalışmalarda, ada makrofaunasının bir çok filumunun Porifera, Cnidaria, Mollusca, Arthropoda, Brachiopoda, Bryozoa, Spiculida, Echinodermata, Chordata (Peracarida ve Annelida hariç) kalitatif bolluğu hakkında bilgi sağlanmıştır. *Gryphus vitreus* (Brachiopoda) Türkiye Denizleri için *Funiculina quadrangularis* (Pallas, 1766) ise Türkiye'nin Ege denizi kıyıları için yeni kayıttır. Bu makalenin amacı Gökçeada'nın kıta sahanlığındaki makrofaunayı tespit etmektir. Kontrol listesi ağırlıklı olarak geçmiş çalışmalara ve 2007-2013 yılları arasında Gökçeada Deniz Araştırma Birimi tarafından yürütülen çalışmalara dayanılarak hazırlanmıştır. Geçmiş çalışmalar 1974 yılında başlamıştır. Ayrıca bu makalede 10 egzotik tür rapor edilmiştir. *Calinectes sapidus* Rathbun, 1896 ticari değeri olan egzotik türlerden bir tanesidir.

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