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## Inventory and new records of polychaete species from the Cap Bon Peninsula, north-east coast of Tunisia, Western Mediterranean Sea

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### Abstract

An inventory of polychaete species is presented from the north-east coast of Tunisia with an historic review of the previous literature from Tunisian coasts. Altogether 40 families, 146 genera, and 238 species are currently known from the area, of which 86 taxa, 4 families (Chrysopetalidae, Pilargidae, Protodrilidae and Saccocirridae) and 40 genera (*Saccocirrus*, *Protodrilus*, *Parathelepus*, *Thelepus*, *Petta*, *Isolda*, *Brada*, *Tharyx*, *Paraprionospio*, *Jasmineira*, *Hypsicomus*, *Euchone*, *Pseudobranchiomma*, *Laonome*, *Galathowenia*, *Lugia*, *Pseudomystides*, *Protomystides*, *Pirakia*, *Mysta*, *Eurysyllis*, *Parapionosyllis*, *Streptosyllis*, *Paraehlersia*, *Sigambra*, *Ancistrosyllis*, *Kefersteinia*, *Chrysopetalum*, *Bhawania*, *Fimbriosthenelais*, *Subadyte*, *Panthalis*, *Dorvillea*, *Scalibregma*, *Paradoneis*, *Cirrophorus*, *Metasychis*, *Websterinereis*, *Euniphysa* and *Mastobranchus*) are new additions to the polychaete fauna of Tunisia. The list, which provides a synthesis of the regional taxonomic work, including coastal areas from Sidi Daoud to the area of Menzel Hurr (Cap Bon Peninsula, Western Mediterranean Sea), can serve as a baseline for future studies.

**Keywords:** Polychaetes, Tunisian coasts, new species, Western Mediterranean.

### Introduction

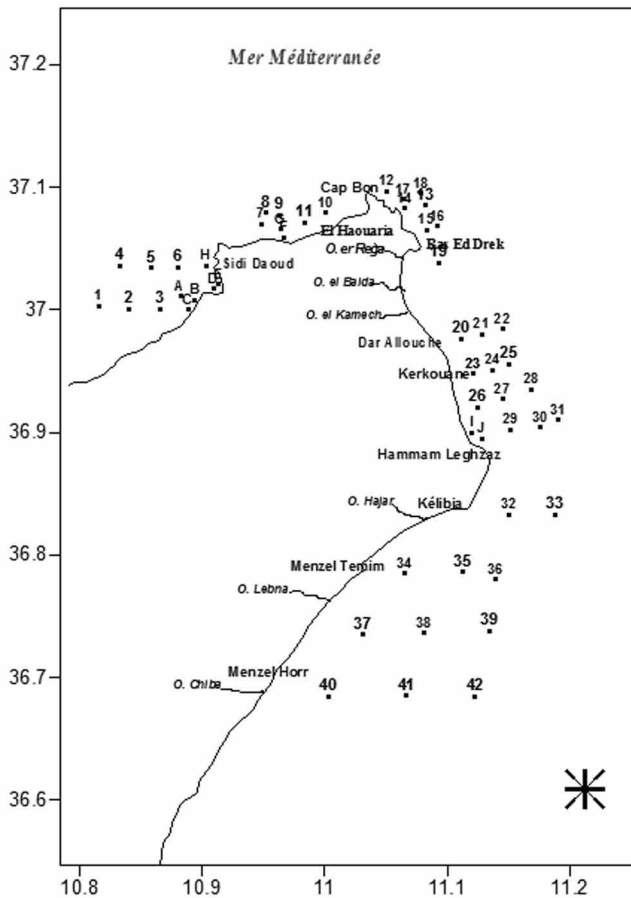
In the Mediterranean Sea, many polychaete inventories have been produced, especially in the Western area, such as, Fauvel (1940), Bellan (1961, 1964), Laubier (1966), Amoureux (1973), Ramos (1976), Zibrowius (1978) and Castelli *et al.* (2008). There are other studies conducted in the eastern Mediterranean such as Harmelin (1969), Simboura & Nicolaidou (2001), Arvanitidis (2000), Cinar 2005, Ben Eliahu (1995) and Ergen (1976). In Tunisia, there have been a few polychaete studies such as McIntosh (1912), Fauvel (1924 a, b), Zibrowius, (1970-1971), Bellan (1961), Westheide (1971 & 1972) and Cantone *et al.* (1978). Zghal & Ben Amor (1980) listed 222 species. Later, Ben Amor (1984) collected data concerning Tunisian polychaete species and listed 234 species. Recently several ecological studies have been carried out along the Tunisian coast and have added new polychaete species: Zaâbi & Afli (2005, 2006), Zaâbi *et al.* (2009, 2010), Ayari & Afli (2003 & 2008), and Trigui El-Menif *et al.* (2007).

This checklist provides an updated overview of the

polychaete species recorded from the Tunisian coast, from the first catalogue compiled by Zghal & Ben Amor (1980) to the most recent revision produced by Ayari *et al.* (2009). The checklist includes literature records since McIntosh (1912), and includes the results of a taxonomic and ecological study carried out in the Cap Bon Peninsula (Eastern coast of Tunisia). The main objective of this publication is to complete the data on polychaetes and to update the last inventory produced by Ayari *et al.* (2009) of the Tunisian Polychaete fauna.

### Materials and Methods

The polychaete fauna was sampled at 52 sites (Fig. 1) during 2006. Aboard the RV *Hannibal*, a Charcot dredge, a Van Veen grab (sampling an area of 0.1 m<sup>2</sup>) and a cylindrical corer were deployed according to the nature and depth of the substratum. Samples were washed through a 1 mm-mesh sieve and fixed in a solution of 7% sea-water formaldehyde. In the laboratory, samples were rinsed in fresh water and preserved in 70% ethanol and then iden-



**Fig. 1:** Location of sampling sites from the Cap Bon Peninsula, Tunisia.

tified to species and counted. The identification guides used for species determination were: Fauvel (1923, 1927), Fauchald (1977, 1992), Pettibone (1966), Zibrowius (1968, 1970-1971), Laubier and Ramos (1973) and Paxton (1986). The list of species is organized according to the new classification scheme proposed by Fauchald & Rouse (1997), Rouse & Fauchald (1997) and Wilson *et al.* (2003). Specimens reported from this taxonomic and ecological survey are deposited at the National Institute of the Sea Sciences and Technology (INSTM) and given a deposit number.

## Results

In total, 3048 polychaete individuals were identified to species level or to family level for incomplete specimens in the Capitellidae, Maldanidae and Polynoidae. The current inventory of polychaetes of the Cap Bon Peninsula (North Eastern coast of Tunisia, Western Mediterranean) shows that the area is diverse with 40 families, 146 genera and 238 species (Table 1). Among families, Syllidae ranked first in terms of species richness (23 species), followed by Phyllodocidae and Terebellidae (17 species each). In terms of abundance, Onuphidae ranked highest with 398 individuals (13%), followed by Dorvil-

**Table 1.** General polychaete inventory from the Cap Bon Peninsula, Tunisia.

Families	Genera	Species
Acoetidae	1	1
Ampharetidae	6	6
Amphinomidae	1	1
Aphroditidae	2	2
Capitellidae	5	11
Chrysopetalidae	2	2
Cirratulidae	6	11
Dorvilleidae	3	3
Eunicidae	5	7
Flabelligeridae	3	4
Glyceridae	1	6
Goniadidae	1	2
Hesionidae	4	4
Lumbrineridae	5	9
Magelonidae	1	2
Maldanidae	5	6
Nephtyidae	2	4
Nereididae	6	11
Oeonidae	2	3
Onuphidae	4	6
Opheliidae	3	3
Orbiniidae	4	6
Oweniidae	2	2
Paralacydoniidae	1	1
Paraonidae	4	11
Pectinariidae	2	2
Phyllodocidae	11	17
Pilargidae	2	2
Polynoidae	4	7
Protodrilidae	1	1
Sabellidae	10	15
Saccocirridae	1	1
Scalibregmatidae	1	1
Serpulidae	4	9
Sigalionidae	5	6
Spionidae	7	11
Sternaspidae	1	1
Syllidae	10	23
Terebellidae	7	17
Trichobranchiidae	1	1
<b>Total</b>	<b>146</b>	<b>238</b>

leidae with 356 individuals (12%) and Paraonidae with 313 individuals (10%).

The highest values for species richness and density were recorded at the shallow coastal stations (2 m depth) which were characterized by a sandy substratum (coarse and fine sand).

The most dominant species of the area was *Protodorvillea kefersteini* with 288 individuals (9.63 %), followed by *Aponuphis fauveli* (162 individuals/ 5.42 %) and *Aricidea cerrutii* (134 individuals/ 4.48 %). The highest frequency (34.62 %) was recorded for *Aphelochaeta mari-*

*oni* and *Euclymene palermitana*.

The present study listed 86 new species belonging to 4 families (Chrysopetalidae, Pilargidae, Protodrilidae and Saccocirridae) and 40 genera for the Tunisian waters. The presence of an asterisk (\*) denotes a new species report, two asterisks (\*\*) a new genus report and three asterisks (\*\*\*) a new family report. Species with a (+) symbol denote a doubtful record in the Mediterranean.

### Systematic checklist

**SCOLECIDA** Rouse & Fauchald, 1997

CAPITELLIDAE Grube, 1862

*Capitella* cf. *capitata* (Fabricius, 1780)

Material examined: Sta. 36, 64 m, mud.

Deposit number: INSTM 2006. 10. 01. 01

*Dasybranchus gajolae* Eisig, 1887

Material examined: Sta. 1, 32, 42, 40-66 m, mud and sandy mud

Deposit number: INSTM 2006. 10. 01. 02

*Dasybranchus* sp.

Material examined: Sta. 21, 26, 38, 25-52 m, sandy mud and sandy gravel.

Deposit number: INSTM 2006. 10. 01. 03

*Heteromastus filiformis* (Claparède, 1864)

Material examined: Sta. A, B, D, H, 2-17 m, sandy substratum.

Deposit number: INSTM 2006. 10. 01. 04

*Mastobranchnus trichensis* Eisig, 1887 \*\*

Material examined: Sta. D, 5 m, fine sand.

Deposit number: INSTM 2006. 10. 01. 05

*Notomastus latericeus* Sars, 1851

Material examined: Sta. C, H, 2, 3, 4, 6, 8, 9, 11, 12, 25, 26, 27, 29, 35, 37, 42, 2-66 m, fine sandy substrate to muddy sediment.

Deposit number: INSTM 2006. 10. 01. 06

*Notomastus profundus* Eisig, 1887

Material examined: Sta. H, 4, 9, 32, 2-60 m, fine sand to sandy mud.

Deposit number: INSTM 2006. 10. 01. 07

*Notomastus* sp.1

Material examined: Sta. 4, F, 2-60 m, fine to coarse sand.

Deposit number: INSTM 2006. 10. 01. 08

*Notomastus* sp.2

Material examined: Sta. H, 2 m, fine sand.

Deposit number: INSTM 2006. 10. 01. 09

*Notomastus* sp.3

Material examined: Sta. 4, 60 m, fine sand.

Deposit number: INSTM 2006. 10. 01. 10

*Notomastus* sp.4

Material examined: Sta. 3 m, fine sand.

Deposit number: INSTM 2006. 10. 01. 11

**MALDANIDAE** Malmgren, 1867

*Euclymene palermitana* (Grube, 1840)

Material examined: Sta. A, C, E, H, 1, 2, 4, 6, 13, 20, 25, 31, 33, 35, 37, 39, 40, 41, 2-74 m, soft (sand, mud) and rocky substratum.

Deposit number: INSTM 2006. 10. 02. 01

*Euclymene* sp.

Material examined: Sta. 2, 3, 4, 5, 14, 31, 35, 37, 39, 41, 20-68 m, soft and rocky substratum.

Deposit number: INSTM 2006. 10. 02. 02

*Praxillella gracilis* (Sars, 1872)

Material examined: Sta. 26, 38, 41, 25-52 m, fine sand and muddy sand.

Deposit number: INSTM 2006. 10. 02. 03

*Maldane glebifex* Grube, 1860

Material examined: Sta. 2, 37, 40, 32-45, fine and coarse sand.

Deposit number: INSTM 2006. 10. 02. 04

*Metasychis gotoi* (Izuka, 1902) \*\*

Material examined: Sta. 2, 20, 25, 39, 40, 30-68 m, sandy and muddy substratum.

Deposit number: INSTM 2006. 10. 02. 05

*Nicomache* sp.

Material examined: Sta. 14, 40 m, coarse sand.

Deposit number: INSTM 2006. 10. 02. 06

**OPHELIIDAE** Malmgren, 1867

*Armandia polyophthalma* Kükenthal, 1887

Material examined: Sta. B, C, H, 2-4 m, fine and coarse sand.

Deposit number: INSTM 2006. 10. 03. 01

*Polyophthalmus pictus* (Dujardin, 1839)

Material examined: Sta. E, H, 2-3 m, fine sand.

Deposit number: INSTM 2006. 10. 03. 02

*Ophelia limacina* (Rathke, 1843) \*\*

Material examined: Sta. C, H, 2 m, fine and coarse sand.

Deposit number: INSTM 2006. 10. 03. 03

**ORBINIIDAE** Hartman, 1942

*Naineris laevigata* (Grube, 1855)

Material examined: Sta. E, H, 2-3 m, fine sand.

Deposit number: INSTM 2006. 10. 04. 01

*Orbinia* sp.

Material examined: Sta. A, C, 17 m, coarse sand.

Deposit number: INSTM 2006. 10. 04. 02

*Orbinia cuvieri* (Audouin & Milne-Edwards, 1833)

Material examined: Sta. D, 5 m, fine sand.

Deposit number: INSTM 2006. 10. 04. 03

*Phylo foetida* (Claparède, 1869)

Material examined: Sta. C, 2 m, coarse sand.

Deposit number: INSTM 2006. 10. 04. 04

*Scoloplos chevalieri candiensis* Harmelin, 1969 \*

Material examined: Sta. 8, 9, 11, 19, 20, 30, I, 8-52 m, sandy substratum.

Deposit number: INSTM 2006. 10. 04. 05

*Scoloplos armiger* (Müller, 1776)

Material examined: Sta. D, 2, 3, 5, 11, 5-45 m, fine and coarse sand

- Deposit number: INSTM 2006. 10. 04. 06
- PARAONIDAE** Cerruti, 1909  
*Aricidea (Acmira) simplex* Day, 1963 \*  
 Material examined: Sta. 39, 68 m, mud.  
 Deposit number: INSTM 2006. 10. 05. 01  
*Aricidea (Acmira) assimilis* Tebble, 1959  
 Material examined: Sta. C, 2, 4, 8, 12, 13, 17, 35, 38, 2-60 m, sandy substratum and mud  
 Deposit number: INSTM 2006. 10. 05. 02  
*Aricidea (Acmira) cerrutii* Laubier, 1966  
 Material examined: Sta. A, B, C, H, 10, 11, I, 2-33 m, fine and coarse sand.  
 Deposit number: INSTM 2006. 10. 05. 03  
*Aricidea (Acmira) catherinae* Laubier, 1967\*  
 Material examined: Sta. H, 2 m, fine sand.  
 Deposit number: INSTM 2006. 10. 05. 04  
*Aricidea (Aricidea) capensis bansei* Laubier & Ramos, 1974\*  
 Material examined: Sta. 11, 30 m, fine sand.  
 Deposit number: INSTM 2006. 10. 05. 05  
*Aricidea (Aricidea) fragilis mediterranea* Laubier & Ramos, 1974 \*  
 Material examined: Sta. C, 2, 3, 4, 2-3 m, fine and coarse sand.  
 Deposit number: INSTM 2006. 10. 05. 06  
*Cirrophorus branchiatus* Ehlers, 1908 \*\*  
 Material examined: Sta. 52 m, muddy sand.  
 Deposit number: INSTM 2006. 10. 05. 07  
*Paradoneis armata* Glemarec, 1966 \*\*  
 Material examined: Sta. C, 3, 2-20 m, fine and coarse sand.  
 Deposit number: INSTM 2006. 10. 05. 08  
*Paradoneis harpagonea* (Storch, 1967) \*  
 Material examined: Sta. A, B, C, D, H, 3, 7, F, G, 20, I, J, 2-30 m, sandy substratum.  
 Deposit number: INSTM 2006. 10. 05. 09  
*Paradoneis lyra* (Southern, 1914) \*  
 Material examined: Sta. C, H, F, G, 20, I, J, 2, 30 m, sandy substratum.  
 Deposit number: INSTM 2006. 10. 05. 10  
*Levinsenia gracilis* (Tauber, 1879)  
 Material examined: Sta. B, 36, 4-64 m, coarse sand and mud.  
 Deposit number: INSTM 2006. 10. 05. 11
- SCALIBREGMATIDAE** Malmgren, 1867  
*Scalibregma inflatum* Rathke, 1843 \*\*  
 Material examined: Sta. H, 2 m, fine sand.  
 Deposit number: INSTM 2006. 10. 06. 01
- PALPATA** Rouse & Fauchald, 1997  
**ACICULATA** Rouse & Fauchald, 1997  
**EUNICIDA** sensu Rouse & Fauchald, 1997
- AMPHINOMIDAE** Lamarck, 1818
- Chloeia venusta* Quatrefages, 1866  
 Material examined: Sta. 13, 14, 20, 30-50 m, coarse and muddy sand.  
 Deposit number: INSTM 2006. 10. 12. 01
- DORVILLEIDAE** Chamberlin, 1919  
*Dorvillea atlantica* (McIntosh, 1885) \*\*  
 Material examined: Sta. C, E, 30, 2-40 m, fine and coarse sand.  
 Deposit number: INSTM 2006. 10. 07. 01  
*Protodorvillea kefersteini* (McIntosh, 1869)  
 Material examined: Sta. B, C, D, E, H, 4, F, 29, I, J, 2-60 m, fine and coarse sand.  
 Deposit number: INSTM 2006. 10. 07. 02  
*Schistomeringos rudolphii* (Delle Chiaje, 1828)  
 Material examined: Sta. A, B, C, D, E, H, J, 2-15 m, fine and coarse sand.  
 Deposit number: INSTM 2006. 10. 07. 03
- EUNICIDAE** Savigny, 1818  
*Eunice schizobranchia* Claparède, 1870 \*  
 Material examined: Sta. 2, 22, 45-60 m, fine sand and hard substratum.  
 Deposit number: INSTM 2006. 10. 08. 01  
*Eunice torquata* Quatrefages, 1865  
 Material examined: Sta. 15, 22, 23, 29, 26-60 m, soft and hard substratum.  
 Deposit number: INSTM 2006. 10. 08. 02  
*Eunice vittata* (Delle Chiaje, 1828)  
 Material examined: A, 2, 4, 8, 10, 11, 13, 15, 15, 17, 18, 20, 21, 22, 25, 26, 27, 28, 29, 30, 31, 33, 34, 37 et J, 17,5-74,4 m, soft and hard substrate.  
 Deposit number: INSTM 2006. 10. 08. 04  
*Euniphysa tubifex* Crossland, 1904 \*\* +  
 Material examined: Sta. 25, 37, 32-60 m, sandy substratum.  
 Deposit number: INSTM 2006. 10. 08. 03  
*Lysidice ninetta* Audouin & Milne Edwards, 1833  
 Material examined: Sta. 4, 14, 15, 27, 28, 29, 30, 34, 37, 30-60 m, sandy and gravelly substratum.  
 Deposit number: INSTM 2006. 10. 08. 05  
*Marphysa belli* Audouin & Milne-Edwards, 1833  
 Material examined: Sta. 4, 12, 22, 30-60 m, fine sand and hard substratum;  
 Deposit number: INSTM 2006. 10. 08. 06  
*Nematonereis unicornis* Schmarda, 1961  
 Material examined: Sta. C, H, 4, 9, 14, 16, 19, 20, 25, 26, 29, 30, 37, 40, 41, 2-60 m, soft and hard substratum.  
 Deposit number: INSTM 2006. 10. 08. 07
- LUMBRINERIDAE** Schmarda, 1865  
*Hilbigneris gracilis* (Ehlers, 1868)  
 Material examined: Sta. A, 17, 21, 30, 34, 39, 17-68 m, sandy and gravelly substratum.  
 Deposit number: INSTM 2006. 10. 09. 05  
*Lumbricalus adriatica* (Fauvel, 1940)

Material examined: Sta. 27, 35 m, coarse sand.  
Deposit number: INSTM 2006. 10. 09. 01  
*Lumbrineris coccinea* (Renier, 1804)  
Material examined: Sta. 24, 29, 30-44 m, fine sand.  
Deposit number: INSTM 2006. 10. 09. 02  
*Lumbrineris latreilli* Audouin and Milne-Edwards, 1834  
Material examined: Sta. A, C, D, H, 10, 12, 20, 25, 28,  
29, 30, 33, 37, 40, 2-74 m, sandy substratum.  
Deposit number: INSTM 2006. 10. 09. 08  
*Lumbrineris* sp.  
Material examined: Sta. 15, 50 m, sandy gravel.  
Deposit number: INSTM 2006. 10. 09. 07  
*Scoletoma fragilis* (O. F. Müller, 1776)  
Material examined: Sta. 15, 50 m, sandy gravel.  
Deposit number: INSTM 2006. 10. 09. 03  
*Scoletoma funchalensis* (Kinberg, 1865)  
Material examined: Sta. 29, 30 m, fine sand.  
Deposit number: INSTM 2006. 10. 09. 04  
*Scoletoma impatiens* (Claparède, 1868)  
Material examined: Sta. A, B, C, H, 2, 3, 5, 14, 15, 20, 29,  
30, 37, 2-50 m, sandy and gravelly substratum.  
Deposit number: INSTM 2006. 10. 09. 06  
*Lumbrineriopsis paradoxa* (Saint-Joseph, 1888)  
Material examined: Sta. 4, 60 m, fine sand.  
Deposit number: INSTM 2006. 10. 09. 09

#### OENONIDAE Kinberg, 1865

*Arabella geniculata* (Claparède, 1868) \*  
Material examined: Sta. 26, 25 m, sandy mud.  
Deposit number: INSTM 2006. 10. 10. 01  
*Arabella iricolor* (Montagu, 1804)  
Material examined: Sta. C, D, H, 25, 32, 2-60 m, sandy  
substratum.  
Deposit number: INSTM 2006. 10. 10. 02  
*Drilonereis filum* (Claparède, 1868)  
Material examined: Sta. H, 4, 6, 8, 9, 20, 26, 28, 35, 42,  
2-66 m, sandy substratum and mud.  
Deposit number: INSTM 2006. 10. 10. 03

#### ONUPHIDAE Kinberg, 1865

*Aponuphis bilineata* (Baird, 1870)  
Material examined: Sta. A, B, H, 2, 4, 11, 17, 18, 20, 27,  
29, 30, I, J, 34, 37, 2-61 m, sandy and gravelly substratum.  
Deposit number: INSTM 2006. 10. 11. 01  
*Aponuphis brementi* (Fauvel, 1916)  
Material examined: Sta. H, 9, 11, 2-37 m, fine sand.  
Deposit number: INSTM 2006. 10. 11. 02  
*Aponuphis fauveli* (Rioja, 1918)  
Material examined: Sta. A, C, 2, 3, 4, 5, 6, 19, 20, 25,  
26, 27, 33, 35, 37, 40, 41, 2-74 m, sandy substratum and  
sandy mud.  
Deposit number: INSTM 2006. 10. 11. 03  
*Hyalinoecia tubicola* (Müller, 1776)  
Material examined: Sta. 2, 15, 16, 19, 21, 24, 25, 27, 29,  
30, 30-60 m, soft and hard substratum.  
Deposit number: INSTM 2006. 10. 11. 04

#### *Nothria conchylega* (Sars, 1835)

Material examined: Sta. 3, 26, 20-25 m, fine sand and  
sandy mud.  
Deposit number: INSTM 2006. 10. 11. 05  
*Diopatra neapolitana* Delle Chiaje, 1841  
Material examined: Sta. A, B, C, H, 2, 4, 7, 8, 9, 16, 22,  
25, 30, 34, 40, 2-60 m, sandy and gravelly substratum.  
Deposit number: INSTM 2006. 10. 11. 06

#### PHYLLODOCIDA sensu Rouse & Fauchald, 1997

##### ACOETIDAE Kinberg, 1856

*Panthalis oerstedii* Kinberg, 1856 \*\*  
Material examined: Sta. 37, 32, coarse sand.  
Deposit number: INSTM 2006. 10. 13. 01

##### APHRODITIDAE Malmgren, 1867

*Leatmonice hystrix* (Savigny in Lamarck, 1818)  
Material examined: Sta. 15, 24, 27, 29, 30, 31, 34, 37,  
32-50 m, sandy and gravelly substratum.  
Deposit number: INSTM 2006. 10. 14. 01  
*Pontogenia chrysocoma* (Baird, 1865)  
Material examined: Sta. 22, 24, 30, 40-60 m, sandy and  
hard substratum.  
Deposit number: INSTM 2006. 10. 14. 02

##### CHRYSOPETALIDAE Ehlers, 1864 \*\*\*

*Bhawania goodei* Webster, 1884 \*\*  
Material examined: Sta. 29, 30 m, fine sand.  
Deposit number: INSTM 2006. 10. 20. 01  
*Chrysopetalum debile* (Grube, 1855) \*\*  
Material examined: Sta. A, 17 m, coarse sand.  
Deposit number: INSTM 2006. 10. 20. 02

##### GLYCERIDAE Grube, 1850

*Glycera alba* (O. F. Müller, 1776)  
Material examined: Sta. 3, 4, 9, 26, 37, 42, 20-66 m,  
sandy substratum and mud.  
Deposit number: INSTM 2006. 10. 17. 01  
*Glycera capitata* Örsted, 1843 \*  
Material examined: Sta. 3, 8, 14, 30, 39, 20-68 m, sandy  
substratum and mud.  
Deposit number: INSTM 2006. 10. 17. 02  
*Glycera tridactyla* Keferstein, 1862  
Material examined: Sta. H, 3, 20, 24, 39, 2-68 m, sandy  
substratum and mud.  
Deposit number: INSTM 2006. 10. 17. 03  
*Glycera lapidum* Quatrefages, 1865 \*  
Material examined: Sta. C, 5, 21, 22, 30, 31, I, 2-60 m,  
coarse sand and sandy gravel.  
Deposit number: INSTM 2006. 10. 17. 04  
*Glycera* sp.  
Material examined: Sta. C, 2 m, coarse sand.  
Deposit number: INSTM 2006. 10. 17. 05  
*Glycera tessellata* Grube, 1840  
Material examined: Sta. A, H, 3, 17, 30, 31, 2-58 m,  
coarse sand and sandy gravel.

- Deposit number: INSTM 2006. 10. 17. 06
- GONIADIDAE Kinberg, 1866  
*Goniada maculata* Örsted, 1843  
 Material examined: Sta. 8, 9, 18, 37, 31-61 m, fine and coarse sand.  
 Deposit number: INSTM 2006. 10. 18. 01  
*Goniada norvegica* Örsted, 1845 \*  
 Material examined: Sta. 29, 30 m, fine sand.  
 Deposit number: INSTM 2006. 10. 18. 02
- HESIONIDAE Grube, 1850  
*Kefersteinia cirrata* (Keferstein, 1862) \*\*  
 Material examined: Sta. A, B, C, H, 10, 22, 29, J, 2-60 m, fine and coarse sand.  
 Deposit number: INSTM 2006. 10. 21. 01  
*Hesione splendida* Savigny, 1818  
 Material examined: Sta. 16, 60 m, hard substratum.  
 Deposit number: INSTM 2006. 10. 21. 02  
*Microphtalmus szcelkowi* Metschnikow, 1865 \*  
 Material examined: Sta. F, 2 m, coarse sand.  
 Deposit number: INSTM 2006. 10. 21. 03  
*Ophiodromus flexuosus* (Delle Chiaje, 1827) \*  
 Material examined: Sta. H, 2 m, fine sand.  
 Deposit number: INSTM 2006. 10. 21. 04
- NEPHTYIDAE Grube, 1850  
*Aglaophamus rubella* (Michaelsen, 1897) \*  
 Material examined: Sta. 29, 30 m, fine sand.  
 Deposit number: INSTM 2006. 10. 25. 01  
*Nephtys caeca* (Fabricius, 1780)  
 Material examined: Sta. 1, 2, 3, 4, 6, 9, 20, 27, 30, 37, 20-60 m, sandy substratum and mud.  
 Deposit number: INSTM 2006. 10. 25. 02  
*Nephtys hombergii* Savigny, 1818  
 Material examined: Sta. 3, 19, 20, 32, 40, 20-58 m, sandy substratum.  
 Deposit number: INSTM 2006. 10. 25. 03  
*Nephtys hystricis* McIntosh, 1900  
 Material examined: Sta. 20, 30 m, muddy sand.  
 Deposit number: INSTM 2006. 10. 25. 04
- PARALACYDONIIDAE Pettibone, 1963  
*Paralacydonia paradoxa* Fauvel, 1913  
 Material examined: Sta. 2, 3, 4, 10, 13, 16, 19, 20, 25, 27, 31, 33, 39, 40, 41, 20-74 m, sandy and gravelly substratum.  
 Deposit number: INSTM 2006. 10. 19. 01
- NEREIDIDAE Johnston, 1865  
*Websterinereis glauca* (Claparède, 1870)  
 Material examined: Sta. A, E, H, 6, 24, 30, 2-44 m, fine and coarse sand.  
 Deposit number: INSTM 2006. 10. 22. 01  
*Composetia costae* (Grube, 1840)  
 Material examined: Sta. 24, 44 m, fine sand.
- Deposit number: INSTM 2006. 10. 22. 02  
*Perinereis macropus* (Claparède, 1870)  
 Material examined: Sta. C, 2 m, coarse sand.  
 Deposit number: INSTM 2006. 10. 22. 03  
*Platynereis dumerilii* (Audouin & Milne-Edwards, 1833)  
 Material examined: Sta. H, 2 m, fine sand.  
 Deposit number: INSTM 2006. 10. 22. 04  
*Neanthes* sp.  
 Material examined: Sta. C, 21, 27, 41, 2-40 m, sandy to muddy sand and sandy gravel.  
 Deposit number: INSTM 2006. 10. 22. 05  
*Neanthes caudata* (Delle Chiaje, 1827)  
 Material examined: Sta. E, 3 m, fine sand.  
 Deposit number: INSTM 2006. 10. 22. 06  
*Nereis rava* Ehlers, 1864\*  
 Material examined: Sta. 15, 30, 37, 32-50 m, coarse sand and sandy gravel.  
 Deposit number: INSTM 2006. 10. 22. 07  
*Nereis* sp 1.  
 Material examined: Sta. 4, F, 2-60 m, fine and coarse sand.  
 Deposit number: INSTM 2006. 10. 22. 08  
*Nereis* sp 2.  
 Material examined: Sta. H, 2 m, fine sand.  
 Deposit number: INSTM 2006. 10. 22. 09  
*Nereis* sp 3.  
 Material examined: Sta. 4, 60 m, fine sand.  
 Deposit number: INSTM 2006. 10. 22. 10  
*Nereis* sp 4.  
 Material examined: Sta. E, 3 m, fine sand.  
 Deposit number: INSTM 2006. 10. 22. 11
- PHYLLODOCIDAE Örsted, 1843  
*Eteone* cf. *longa* (Fabricius, 1780) \*  
 Material examined: Sta. A, 37, 17-32 m, coarse sand.  
 Deposit number: INSTM 2006. 10. 26. 01  
*Eteone* sp.  
 Material examined: Sta. C, 2 m, coarse sand.  
 Deposit number: INSTM 2006. 10. 26. 02  
*Eulalia viridis* (Johnston, 1829)  
 Material examined: Sta. C, H, 2 m, fine and coarse sand.  
 Deposit number: INSTM 2006. 10. 26. 03  
*Eulalia* sp.  
 Material examined: Sta. 14, 40 m, coarse sand.  
 Deposit number: INSTM 2006. 10. 26. 04  
*Eumida sanguinea* (Örsted, 1843)  
 Material examined: Sta. 10, 15, 22, 33-60 m, coarse sand and sandy gravel.  
 Deposit number: INSTM 2006. 10. 26. 05  
*Hesionura* sp.  
 Material examined: Sta. B, 4 m, coarse sand.  
 Deposit number: INSTM 2006. 10. 26. 06  
*Mysta picta* (Quatrefages, 1865) \*\*  
 Material examined: Sta. 14, 15, 27, 40-50 m, coarse to muddy sand and sandy gravel.  
 Deposit number: INSTM 2006. 10. 26. 07

*Pirakia punctifera* (Grube, 1860) \*\*  
 Material examined: Sta. H, 22, 2-60 m, fine sand and rocky substratum.  
 Deposit number: INSTM 2006. 10. 26. 08

*Protomystides bidentata* (Langerhans, 1880) \*\*  
 Material examined: Sta. H, 28, 2-60 m, fine sand.  
 Deposit number: INSTM 2006. 10. 26. 09

*Pseudomystides limbata* (Saint-Joseph, 1888) \*\*  
 Material examined: Sta. J, 15 m, fine sand.  
 Deposit number: INSTM 2006. 10. 26. 10

*Lugia pterophora* (Ehlers, 1864) \*\*  
 Material examined: Sta. Sta. B, 4 m, coarse sand.  
 Deposit number: INSTM 2006. 10. 26. 11

*Nereiphylla rubiginosa* (Saint-Joseph, 1888)  
 Material examined: Sta. 14, 30, 40 m, coarse sand.  
 Deposit number: INSTM 2006. 10. 26. 12

*Phyllodoce laminosa* Savigny in Lamarck, 1818  
 Material examined: Sta. C, 14, 16, 2-60 m, coarse sand and rocky substratum.  
 Deposit number: INSTM 2006. 10. 26. 13

*Phyllodoce madeirensis* Langerhans, 1880 \*  
 Material examined: Sta. C, 15, 21, 24, 29, 30, 2-50 m, sandy substratum and sandy gravel.  
 Deposit number: INSTM 2006. 10. 26. 14

*Phyllodoce mucosa* Örsted, 1843  
 Material examined: Sta. 9, 37 m, fine sand.  
 Deposit number: INSTM 2006. 10. 26. 15

*Phyllodoce* sp 1.  
 Material examined: Sta. G, 21, 31, 34, 3-50 m, coarse sand and sandy gravel.  
 Deposit number: INSTM 2006. 10. 26. 16

*Phyllodoce* sp 2.  
 Material examined: Sta. Sta. Sta. B, 4 m, coarse sand.  
 Deposit number: INSTM 2006. 10. 26. 17

POLYNOIDAE Malmgren, 1867

*Harmothoe antilopes* McIntosh, 1876 \*  
 Material examined: Sta. 27, 40 m, muddy sand.  
 Deposit number: INSTM 2006. 10. 15. 0 1

*Harmothoe johnstoni* (Mcintosh, 1876) \*  
 Material examined: Sta. 11, 30 m, fine sand.  
 Deposit number: INSTM 2006. 10. 15. 0 2

*Harmothoe* sp.  
 Material examined: Sta. A, 7, 10, 12, 29, 32, 17-58 m, sandy and muddy substratum.  
 Deposit number: INSTM 2006. 10. 15. 03

*Harmothoe spinifera* (Ehlers, 1864)  
 Material examined: Sta. 15, 30, 31, 40-50 m, coarse sand and sandy gravel.  
 Deposit number: INSTM 2006. 10. 15. 0 4

*Malmgreniella lunulata* (Delle Chiaje, 1830)  
 Material examined: Sta. H, 10, 17, 37, 2-58 m, fine and coarse sand.  
 Deposit number: INSTM 2006. 10. 15. 0 5

*Subadyte pellucida* (Ehlers, 1864) \*\*  
 Material examined: Sta. 21, 29, 30, 30-40 m, sandy sub-

strate and sandy gravel.  
 Deposit number: INSTM 2006. 10. 15. 06

*Lepidonotus clava* (Montagu, 1808)  
 Material examined: Sta. 21, 22, 38-60 m, gravelly and rocky substratum.  
 Deposit number: INSTM 2006. 10. 15. 0 7

SIGALIONIDAE Malmgren, 1867

*Euthalenessa oculata* (Peters, 1855)  
 Material examined: Sta. 14, 18, 29, 30, 30-61 m, fine and coarse sand.  
 Deposit number: INSTM 2006. 10. 16. 0 1

*Fimbriosthenelais minor* (Pruvot & Racovitza, 1895) \*\*  
 Material examined: Sta. 37, 32 m, coarse sand.  
 Deposit number: INSTM 2006. 10. 16. 0 2

*Pelogenia arenosa* (Delle Chiaje, 1830)  
 Material examined: Sta. C, 30, 31, 2-50 m, coarse sand and sandy gravel.  
 Deposit number: INSTM 2006. 10. 16. 0 3

*Sigalion mathildae* Audouin & Milne Edwards in Cuvier, 1830  
 Material examined: Sta. 5, 40 m, coarse sand.  
 Deposit number: INSTM 2006. 10. 16. 0 4

*Sigalion squamosus* Delle Chiaje, 1830 \*  
 Material examined: Sta. D, 3, 5-20 m, fine sand.  
 Deposit number: INSTM 2006. 10. 16. 0 5

*Sthenelais boa* (Johnston, 1833)  
 Material examined: Sta. 8, 11, 19, 21, 30-52 m, fine to muddy sand and sandy gravel.  
 Deposit number: INSTM 2006. 10. 16. 0 6

PILARGIDAE Saint-Joseph, 1899\*\*\*

*Ancistrosyllis groenlandica* McIntosh, 1879\*\*  
 Material examined: Sta. 35, 53 m, mud.  
 Deposit number: INSTM 2006. 10. 23. 01

*Sigambra tentaculata* (Treadwell, 1941) \*\*  
 Material examined: Sta. 7, 8, 9, 12, 30-37 m, fine sand.  
 Deposit number: INSTM 2006. 10. 23. 02

SYLLIDAE Grube, 1850

*Eurysyllis tuberculata* Ehlers, 1864\*\*  
 Material examined: Sta. 30, 40 m, coarse sand.  
 Deposit number: INSTM 2006. 10. 24. 15

*Eusyllis blomstrandii* Malmgren, 1867  
 Material examined: Sta. 30, 40 m, coarse sand.  
 Deposit number: INSTM 2006. 10. 24. 01

*Exogone verugera* (Claparède, 1868)  
 Material examined: Sta. C, J, 2-15 m, fine and coarse sand.  
 Deposit number: INSTM 2006. 10. 24. 04

*Haplosyllis spongicola* (Grube, 1855)  
 Material examined: Sta. C, 2 m, coarse sand.  
 Deposit number: INSTM 2006. 10. 24. 16

*Paraehlersia ferrugina* (Langerhans, 1881) \*\*  
 Material examined: Sta. H, 2 m, fine sand.  
 Deposit number: INSTM 2006. 10. 24. 02



- Parapionosyllis gestans* (Pierantoni, 1903) \*\*  
Material examined: Sta. B, C, 2-4 m, coarse sand.  
Deposit number: INSTM 2006. 10. 24. 11
- Parapionosyllis labronica* Cognetti, 1965\*  
Material examined: Sta. C, 29, 2-30 m, fine and coarse sand.  
Deposit number: INSTM 2006. 10. 24. 12
- Parapionosyllis minuta* (Pierantoni, 1903) \*  
Material examined: Sta. B, C, D, 2-5 m, fine and coarse sand.  
Deposit number: INSTM 2006. 10. 24. 13
- Parapionosyllis papillosa* (Pierantoni, 1903) \*  
Material examined: Sta. B, C, G, 2-4 m, coarse sand.  
Deposit number: INSTM 2006. 10. 24. 14
- Salvatoria limbata* (Claparède, 1868) \*  
Material examined: Sta. B, H, 2-4 m, fine and coarse sand.  
Deposit number: INSTM 2006. 10. 24. 05
- Sphaerosyllis bulbosa* Southern, 1914 \*  
Material examined: Sta. C, 5, J, 2-40 m, fine and coarse sand.  
Deposit number: INSTM 2006. 10. 24. 06
- Sphaerosyllis taylori* Perkins, 1981\*  
Material examined: Sta. A, 17 m, coarse sand.  
Deposit number: INSTM 2006. 10. 24. 07
- Sphaerosyllis hystrix* Claparède, 1863  
Material examined: Sta. B, H, 2-4 m, fine and coarse sand.  
Deposit number: INSTM 2006. 10. 24. 08
- Sphaerosyllis* sp. *sensu* San Martín, 2003  
Material examined: Sta. C, 2 m, coarse sand.  
Deposit number: INSTM 2006. 10. 24. 09
- Sphaerosyllis pirifera* Claparède, 1868 \*  
Material examined: Sta. C, H, J, 8, 2-31 m, coarse and fine sand.  
Deposit number: INSTM 2006. 10. 24. 10
- Streptosyllis bidentata* Southern, 1914 \*\*  
Material examined: Sta. B, H, 2-4 m, fine and coarse sand.  
Deposit number: INSTM 2006. 10. 24. 03
- Syllis amica* Quatrefages, 1866  
Material examined: Sta. H, 14, 22, 30, J, 2-60 m, sandy and rocky substratum.  
Deposit number: INSTM 2006. 10. 24. 17
- Syllis armillaris* (O. F. Müller, 1776)  
Material examined: Sta. C, H, 3, 14, 15, 29, 30, 2-50 m, sandy substratum and sandy gravel.  
Deposit number: INSTM 2006. 10. 24. 18
- Syllis garciai* (Campoy, 1982) \*  
Material examined: Sta. C, D, E, H, 2, 4, F, 16, 25, 30, J, 33, 35, 2-74 m, sandy and muddy substratum.  
Deposit number: INSTM 2006. 10. 24. 19
- Syllis hyalina* Grube, 1863  
Material examined: Sta. B, C, H, 3, 14, 18, 21, 24, 30, J, 2-61 m, sandy substratum and sandy gravel.  
Deposit number: INSTM 2006. 10. 24. 20
- Syllis krohni* Ehlers, 1864  
Material examined: Sta. 28, 60 m, Posidonia bed.  
Deposit number: INSTM 2006. 10. 24. 21
- Syllis prolifera* Krohn, 1852  
Material examined: Sta. E, H, 2-3 m, fine sand.  
Deposit number: INSTM 2006. 10. 24. 22
- Syllis variegata* Grube, 1860  
Material examined: Sta. H, 14, J, 2-40 m, coarse and fine sand.  
Deposit number: INSTM 2006. 10. 24. 22
- CANALIPALPATA** Rouse & Fauchald, 1997 *incertae sedis*
- SABELLIDA** Levinsen, 1883
- OWENIIDAE Rioja, 1917
- Galathowenia oculata* (Zachs, 1923) \*\*  
Material examined: Sta. D, 2, 5-45 m, fine sand.  
Deposit number: INSTM 2006. 10. 27. 01
- Owenia fusiformis* Delle Chiaje, 1844  
Material examined: Sta. 3, 8, 9, 21, 37, 20-38 m, sandy substratum and sandy gravel.  
Deposit number: INSTM 2006. 10. 27. 02
- SABELLIDAE Latreille, 1825
- Bispira* sp. \*\*  
Material examined: Sta. H, 15, 50 m, fine sand.  
Deposit number: INSTM 2006. 10. 28. 01
- Branchiomma bombyx* (Dalyell, 1853)  
Material examined: Sta. 22, 60 m, rocky substratum.  
Deposit number: INSTM 2006. 10. 28. 02
- Megalomma vesiculosum* (Montagu, 1815)  
Material examined: Sta. C, 7, 33, 2-74 m, sandy substratum.  
Deposit number: INSTM 2006. 10. 28. 03
- Chone collaris* Langerhans, 1881\*  
Material examined: Sta. C, E, 2-3 m, coarse and fine sand.  
Deposit number: INSTM 2006. 10. 28. 04
- Chone dunerificta* Tovar-Hernández, Licciano, & Giangrande, 2007  
Material examined: Sta. H, 4, 5, 21, 28, 29, 2-60 m, sandy substratum and sandy gravel.  
Deposit number: INSTM 2006. 10. 28. 05
- Chone filicaudata* Southern, 1914  
Material examined: Sta. 12, 30 m, fine sand.  
Deposit number: INSTM 2006. 10. 28. 06
- Chone acustica* (Claparède, 1870) \*  
Material examined: Sta. 11, 30 m, fine sand.  
Deposit number: INSTM 2006. 10. 28. 07
- Euchone rubrocincta* (Sars, 1862) \*\*  
Material examined: Sta. 2, 30, 40-45, fine and coarse sand.  
Deposit number: INSTM 2006. 10. 28. 08
- Hypsicomus stichophthalmos* (Grube, 1863) \*\*  
Material examined: Sta. 31, 50 m, sandy gravel.

- Deposit number: INSTM 2006. 10. 28. 09  
*Jasmineira caudata* Langerhans, 1880 \*\*  
Material examined: Sta. 29, 30 m, fine sand.  
Deposit number: INSTM 2006. 10. 28. 10  
*Laonome kroeyeri* Malmgren, 1866 \*\*  
Material examined: Sta. C, 13, 20, 2-60 m, coarse and muddy sand.  
Deposit number: INSTM 2006. 10. 28. 11  
*Pseudobranchiomma* sp.\* \*  
Material examined: Sta. 15, 50 m, sandy gravel.  
Deposit number: INSTM 2006. 10. 28. 12  
*Pseudopotamilla reniformis* (Bruguière, 1789)  
Material examined: Sta. 9, 13, 22, 24, 37-60 m, sandy and hard substratum.  
Deposit number: INSTM 2006. 10. 28. 13  
*Sabella discifera* Grube, 1874 \*  
Material examined: Sta. 13, 60 m, muddy sand.  
Deposit number: INSTM 2006. 10. 28. 14  
*Sabella pavonina* Savigny, 1822  
Material examined: Sta. 13, 15, 22, 29, 34, 36, 30, 60 m, soft and hard substratum.  
Deposit number: INSTM 2006. 10. 28. 15
- SERPULIDAE Rafinesque, 1815  
*Hydroides helmatus* (Iroso, 1921)  
Material examined: Sta. 15, 50 m, sandy gravel.  
Deposit number: INSTM 2006. 10. 29. 14  
*Hydroides niger* Zibrowius, 1971  
Material examined: Sta. 23, 26 m, *Posidonia* bed.  
Deposit number: INSTM 2006. 10. 29. 15  
*Hydroides pseudouncinatus* Zibrowius, 1968  
Material examined: Sta. 14, 28, 34, 30-60 m, coarse sand and sandy gravel.  
Deposit number: INSTM 2006. 10. 29. 16  
*Serpula concharum* Langerhans, 1880  
Material examined: Sta. 21, 29, 30-38, fine sand and sandy gravel.  
Deposit number: INSTM 2006. 10. 29. 17  
*Serpula vermicularis* Linnaeus, 1767  
Material examined: Sta. 16, 21, 24, 29, 34, 30-60 m, soft and hard substratum.  
Deposit number: INSTM 2006. 10. 29. 18  
*Spirobranchus polytrema* (Philippi, 1844)  
Material examined: Sta. 29, 30 m, fine sand.  
Deposit number: INSTM 2006. 10. 29. 19  
*Vermiliopsis infundibulum* (Philippi, 1844)  
Material examined: Sta. A, H, 7, 29, 15, 17, 21, 22, 2-60 m, soft and hard substratum.  
Deposit number: INSTM 2006. 10. 29. 20  
*Vermiliopsis labiata* (O. G. Costa, 1861)  
Material examined: Sta. 22, 34, 30-60 m, sandy gravel and hard substratum.  
Deposit number: INSTM 2006. 10. 29. 21  
*Vermiliopsis* sp.  
Material examined: Sta. 13, 60 m, muddy sand.  
Deposit number: INSTM 2006. 10. 29. 22
- SPIONIDA** sensu Rouse & Fauchald, 1997  
MAGELONIDAE Cunningham & Ramage, 1888  
*Magelona mirabilis* (Johnston, 1865)  
Material examined: Sta. A, D, 5, 12, 5-40 m, fine and coarse sand.  
Deposit number: INSTM 2006. 10. 30. 01  
*Magelona rosea* Moore, 1907 \*  
Material examined: Sta. A, 2, 4, 37, fine and coarse sand.  
Deposit number: INSTM 2006. 10. 30. 02
- SPIONIDAE Grube, 1850  
*Aonides oxycephala* (Sars, 1862)  
Material examined: Sta. H, 7, 2-26 m, fine sand.  
Deposit number: INSTM 2006. 10. 31. 01  
*Laonice cirrata* (M. Sars, 1851)  
Material examined: Sta. D, 1, 3, 10, 18, 5-61 m, sandy and muddy substratum.  
Deposit number: INSTM 2006. 10. 31. 02  
*Malacoceros* sp.  
Material examined: Sta. D, 5 m, fine sand.  
Deposit number: INSTM 2006. 10. 31. 03  
*Malacoceros fuliginosus* (Claparède, 1869)  
Material examined: Sta. B, C, D, E, 25, 2-60 m, coarse and fine to muddy sand.  
Deposit number: INSTM 2006. 10. 31. 04  
*Paraprionospio coora* Wilson, 1990 \*\*  
Material examined: Sta. 26, 25 m, muddy sand.  
Deposit number: INSTM 2006. 10. 31. 05  
*Prionospio cirrifera* Wirén, 1883 \*  
Material examined: Sta. A, 23, 17-26 m, coarse sand and *Posidonia* bed.  
Deposit number: INSTM 2006. 10. 31. 06  
*Prionospio fallax* Söderström, 1920  
Material examined: Sta. A, 3, 35, 38, 17-53 m, sandy and muddy substratum.  
Deposit number: INSTM 2006. 10. 31. 07  
*Prionospio* sp.  
Material examined: Sta. 1, 57 m, mud.  
Deposit number: INSTM 2006. 10. 31. 08  
*Scolecopsis cantabra* (Rioja, 1918) \*  
Material examined: Sta. B, E, 8, 11, J, 3-31 m, fine and coarse sand.  
Deposit number: INSTM 2006. 10. 31. 09  
*Spio filicornis* (Müller, 1776)  
Material examined: Sta. A, C, 8, 11, 17-31 m, fine and coarse sand.  
Deposit number: INSTM 2006. 10. 31. 10  
*Spio multioculata* (Rioja, 1918)  
Material examined: Sta. 4, 20, 26, 29, 25-60 m, sandy substratum.  
Deposit number: INSTM 2006. 10. 31. 11
- TEREBELLIDA** sensu Rouse & Fauchald, 1997  
AMPHARETIDAE Malmgren, 1866  
*Amage adpersa* (Grube, 1863)

- Material examined: Sta. 2, 9, 10, 16, 34, 37, 30-60 m, soft and hard substratum.  
Deposit number: INSTM 2006. 10. 35. 01  
*Amage gallasii* Marion, 1875  
Material examined: Sta. 16, 60 m, hard substratum.  
Deposit number: INSTM 2006. 10. 35. 02  
*Ampharete acutifrons* Malmgren, 1865 \*  
Material examined: Sta. 13, 60 m, muddy sand.  
Deposit number: INSTM 2006. 10. 35. 03  
*Amphicteis gunneri* (M. Sars, 1835)  
Material examined: Sta. 2, 45 m, fine sand.  
Deposit number: INSTM 2006. 10. 35. 04  
*Isolda pulchella* Müller in Grube, 1858 \*\*+  
Material examined: Sta. 4, 60, fine sand.  
Deposit number: INSTM 2006. 10. 35. 05  
*Melinna palmata* Grube, 1870  
Material examined: Sta. 9, 39, 40 m, 35-68 m, sandy and muddy substratum.  
Deposit number: INSTM 2006. 10. 35. 06
- CIRRATULIDAE Ryckholdt, 1851  
*Aphelochaeta filiformis* Keferstein, 1862  
Material examined: Sta. 1, 40, 35-57 m, coarse sand and mud.  
Deposit number: INSTM 2006. 10. 32. 08  
*Aphelochaeta marioni* (Saint-Joseph, 1894)  
Material examined: Sta. C, H, 2, 3, 4, 7, 8, 9, 10, 11, 12, 20, 25, 26, 30, 36, 37, 38, 2-64 m, sandy and muddy substratum.  
Deposit number: INSTM 2006. 10. 32. 01  
*Caulleriella alata* (Southern, 1914)  
Material examined: Sta. C, D, E, H, 2, 3, I, J, 2-45 m, fine and coarse sand.  
Deposit number: INSTM 2006. 10. 32. 02  
*Caulleriella bioculata* (Keferstein, 1862)  
Material examined: Sta. A, C, D, H, 2-17 m, fine and coarse sand.  
Deposit number: INSTM 2006. 10. 32. 03  
*Caulleriella killariensis* (Southern, 1914) \*  
Material examined: Sta. C, H, 3, 2-20 m, fine and coarse sand.  
Deposit number: INSTM 2006. 10. 32. 04  
*Caulleriella zetlandica* (McIntosh, 1911) \*  
Material examined: Sta. C, 2 m, coarse sand.  
Deposit number: INSTM 2006. 10. 32. 05  
*Chaetozone caputesocis* (Saint-Joseph, 1894) \*  
Material examined: Sta. 2, 11, 29, 42, 30-66 m, fine sand and mud.  
Deposit number: INSTM 2006. 10. 32. 06  
*Chaetozone gibber* Woodham & Chamberlin, 1994 \*  
Material examined: Sta. E, H, 2, 8, 10, 2-45 m, fine and coarse sand.  
Deposit number: INSTM 2006. 10. 32. 07  
*Cirriiformia tentaculata* (Montagu, 1808)  
Material examined: Sta. 30, 40 m, coarse sand.  
Deposit number: INSTM 2006. 10. 32. 08
- Dodecaceria concharum* Örsted, 1843  
Material examined: Sta. A, 3, 8, 17-31 m, fine and coarse sand.  
Deposit number: INSTM 2006. 10. 32. 09  
*Tharyx multibranchis* (Grube, 1863) \*\*  
Material examined: Sta. C, 2 m, coarse sand.  
Deposit number: INSTM 2006. 10. 32. 10
- FLABELLIGERIDAE Saint-Joseph, 1894  
*Brada villosa* (Rathke, 1843) \*  
Material examined: Sta. H, 41, 2-49 m, fine sand.  
Deposit number: INSTM 2006. 10. 33. 01  
*Pherusa flabellata* (M. Sars in G. O. Sars, 1872) \*  
Material examined: Sta. 26, 25 m, sandy mud.  
Deposit number: INSTM 2006. 10. 33. 02  
*Pherusa plumosa* (Müller, 1776)  
Material examined: Sta. 1, 57 m, mud.  
Deposit number: INSTM 2006. 10. 33. 03  
*Piromis eruca* (Claparède, 1869)  
Material examined: Sta. 3, 4, 5, 7, 8, 15, 27, 30, 31, 20-60 m, sandy substratum and sandy gravel.  
Deposit number: INSTM 2006. 10. 33. 04
- PECTINARIIDAE Quatrefages, 1866  
*Lagis koreni* malmgren, 1866  
Material examined: Sta. 7, 26 m, fine sand.  
Deposit number: INSTM 2006. 10. 36. 01  
*Petta pusilla* Malmgren, 1866 \*\*  
Material examined: Sta. 37, 32 m, coarse sand.  
Deposit number: INSTM 2006. 10. 36. 02
- STERNASPIDAE Carus, 1863  
*Sternaspis scutata* Ranzani, 1817  
Material examined: Sta. 26, 42, 25-66 m, mud and sandy mud.  
Deposit number: INSTM 2006. 10. 34. 01
- TEREBELLIDAE Malmgren, 1867  
*Amphitritides gracilis* (Grube, 1860)  
Material examined: Sta. A, 2, 17-45 m, fine and coarse sand.  
Deposit number: INSTM 2006. 10. 37. 01  
*Amphitrite cirrata* (O. F. Müller, 1771 in 1776) \*  
Material examined: Sta. 28, 31, 37, 32-60 m, coarse and sandy gravel.  
Deposit number: INSTM 2006. 10. 37. 02  
*Amphitrite* sp.  
Material examined: Sta. 29, 30 m, fine sand.  
Deposit number: INSTM 2006. 10. 37. 03  
*Pista cretacea* (Grube, 1860)  
Material examined: Sta. 7, 26 m, fine sand.  
Deposit number: INSTM 2006. 10. 37. 05  
*Pista cristata* (Müller, 1776)  
Material examined: Sta. 2, 3, 4, 12, 13, 20, 22, 35, 40, 20-60 m, sandy substratum.  
Deposit number: INSTM 2006. 10. 37. 06

*Pista unibranchia* Day, 1963 \*

Material examined: Sta. 2, 11, 13, 30-60 m, fine and muddy sand.

Deposit number: INSTM 2006. 10. 37. 11

*Pista* cf. *brevibranchiata* Moore, 1923 \*+

Material examined: Sta. 22, 60 m, rocky substratum.

Deposit number: INSTM 2006. 10. 37. 04

*Pista* sp.1

Material examined: Sta. 7, 26 m, fine sand.

Deposit number: INSTM 2006. 10. 37. 07

*Pista* sp.2

Material examined: Sta. H, 4, 12, 17, 28, 30, 41, 2-60 m, fine to coarse sand and *Posidonia* bed.

Deposit number: INSTM 2006. 10. 37. 08

*Pista* sp. 3

Material examined: Sta. 29, 30 m, fine sand.

Deposit number: INSTM 2006. 10. 37. 09

*Pista* sp. 4

Material examined: Sta. 28, 60 m, *Posidonia* bed.

Deposit number: INSTM 2006. 10. 37. 10

*Thelepus cincinnatus* (Fabricius, 1780) \*\*

Material examined: Sta. 16, 60 m, rocky substratum.

Deposit number: INSTM 2006. 10. 37. 12

*Terebella lapidaria* Linnaeus, 1767

Material examined: Sta. 14, 15, 24, 40-50 m, sandy substratum and sandy gravel.

Deposit number: INSTM 2006. 10. 37. 13

*Terebella* sp.

Material examined: Sta. 5, 40 m, coarse sand.

Deposit number: INSTM 2006. 10. 37. 14

*Polycirrus haematodes* (Claparède, 1864) \*

Material examined: Sta. A, 17 m, coarse sand.

Deposit number: INSTM 2006. 10. 37. 15

*Polycirrus* sp.

Material examined: Sta. 29, 30 m, fine sand.

Deposit number: INSTM 2006. 10. 37. 16

*Parathelepus* cf. *collaris* (Southern, 1914) \*\*

Material examined: Sta. 2, 45 m, fine sand.

Deposit number: INSTM 2006. 10. 37. 17

TRICHOBRANCHIIDAE Malmgren, 1866

*Terebellides stroemi* Sars, 1835

Material examined: Sta. 2, 4, 13, 17, 20, 24, 25, 26, 31, 37, 41, 25-60 m, sandy to muddy substratum and sandy gravel.

Deposit number: INSTM 2006. 10. 38. 01

**POLYCHAETA** *incertae sedis*

PROTODRILIDAE Czerniavsky, 1881\*\*\*

*Protodrilus purpureus* (Schneider, 1868) \*\*

Material examined: Sta. C, 2 m, coarse sand.

Deposit number: INSTM 2006. 10. 39. 01

SACCOCIRRIDAE Czerniavsky, 1881\*\*\*

*Saccocirrus papillocerus* Bobretzky, 1872 \*\*

Material examined: Sta. B, C, 2-4 m, coarse sand.

Deposit number: INSTM 2006. 10. 40. 01

## Discussion

The polychaete species reported since Fauvel, 1924, mark an increase in species diversity. Cantone *et al.* (1978) reported 73 species of polychaetes in the Tunisian gulf; and Zghal & Ben Amor (1980) recorded 222 species; Zghal and Bouaziz-Azzouna (1984) recorded 232 species; Ayari *et al.* (2009) recorded an increase to 289 species. The present work adds 86 new records for a new total of 375 polychaete species.

This includes the reports of alien species which are grouped into six broad categories, namely established, casual, questionable, cryptogenic, excluded and invasive (Zenetos *et al.*, 2005-2010; Simboura & Zenetos, 2005). The established species category includes *Metasychis gotoi* and *Pista unibranchia*. The casual category *Isolda pulchella*, exclusive to the Central Mediterranean (Zenetos *et al.*, 2010). A questionable species, *Euniphysa tubifex*, is recorded in the Eastern Mediterranean and cryptogenic species, *Paraprionospio coora*, in the Western Mediterranean (Zenetos *et al.*, 2010). The total number of the alien species reported for this study is eight. Some of them are considered as Lessepsian migrants introduced from the Red Sea to the Mediterranean through the Suez Canal (Cinar, 2007) and their absence from the Tunisian material previously collected supports this hypothesis. The last inventory produced by Ayari *et al.* (2009) show five alien species, four of them considered as established: *Ficopomatus enigmaticus*, *Hydroides dianthus*, *Hydroides diramphus*, *Hydroides elegans*, and *Epidiopatra hufferiana monroi* as casual. Subsequently, the total number of the valid alien species reported for this study increased to ten species, which is about 20.41 % of the alien polychaete species reported from the Western Mediterranean [49 species according to Zenetos *et al.* (2010)].

In total, 375 polychaete species have been reported from the Tunisian coasts which is attributed to the increasing research effort. The work of Simboura and Zenetos (2005) also remarked on the increasing diversity in polychaete species owing to the increasing research in recent years. This number accounts for 36.54 % of the polychaete species estimated for the whole Mediterranean which is currently 1172 species (Coll *et al.*, 2010 in Zenetos *et al.*, 2010).

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