

# ANNALES

*Anali za istrske in mediteranske študije*  
*Annali di Studi istriani e mediterranee*  
*Annals for Istrian and Mediterranean Studies*  
*Series Historia Naturalis, 30, 2020, 2*





# ANNALES

**Anali za istrske in mediteranske študije  
Annali di Studi istriani e mediterraneei  
Annals for Istrian and Mediterranean Studies**

**Series Historia Naturalis, 30, 2020, 2**

ISSN 1408-533X  
e-ISSN 2591-1783

UDK 5

Letnik 30, leto 2020, številka 2

**UREDNIŠKI ODBOR/  
COMITATO DI REDAZIONE/  
BOARD OF EDITORS:**

Alessandro Acquavita (IT), Nicola Bettoso (IT), Christian Capapé (FR), Darko Darovec, Dušan Devetak, Jakov Dulčić (HR), Serena Fonda Umani (IT), Andrej Gogala, Daniel Golani (IL), Danijel Ivajnsič, Mitja Kaligarič, Marcelo Kovačič (HR), Andrej Kranjc, Lovrenc Lipej, Vesna Mačič (ME), Alenka Malej, Patricija Mozetič, Martina Orlando-Bonaca, Michael Stachowitsch (AT), Tom Turk, Al Vrezec

**Glavni urednik/Redattore capo/  
Editor in chief:**

Darko Darovec

**Odgovorni urednik naravoslovja/  
Redattore responsabile per le scienze  
naturali/Natural Science Editor:**

Lovrenc Lipej

**Urednica/Redattrice/Editor:**

Martina Orlando-Bonaca

**Lektor/Supervisione/Language editor:**

Petra Berlot Kužner (angl.)

**Prevajalci/Traduttori/Translators:**

Martina Orlando-Bonaca (sl./it.)

**Oblikovalec/Progetto grafico/  
Graphic design:**

Dušan Podgornik, Lovrenc Lipej

**Tisk/Stampa/Print:**

Založništvo PADRE d.o.o.

**Izdajatelj/Editori/Published by:**Zgodovinsko društvo za južno Primorsko - Koper / Società storica del Litorale - Capodistria®  
Inštitut IRRIS za raziskave, razvoj in strategije družbe, kulture in okolja / Institute IRRIS for Research, Development and Strategies of Society, Culture and Environment / Istituto IRRIS di ricerca, sviluppo e strategie della società, cultura e ambiente®**Sedež uredništva/Sede della redazione/  
Address of Editorial Board:**Nacionalni inštitut za biologijo, Morska biološka postaja Piran / Istituto nazionale di biologia, Stazione di biologia marina di Pirano / National Institute of Biology, Marine Biology Station Piran  
SI-6330 Piran / Pirano, Fornače/Fornace 41, tel.: +386 5 671 2900, fax +386 5 671 2901;  
**e-mail:** annales@mbss.org, **internet:** www.zdjip.si

Redakcija te številke je bila zaključena 21. 12. 2020.

**Sofinancirajo/Supporto finanziario/  
Financially supported by:**

Javna agencija za raziskovalno dejavnost Republike Slovenije (ARRS), Luka Koper in Mestna občina Koper

*Annales - Series Historia Naturalis* izhaja dvakrat letno.**Naklada/Tiratura/Circulation:** 300 izvodov/copie/copies

Revija Annales, Series Historia Naturalis je vključena v naslednje podatkovne baze / La rivista Annales, series Historia Naturalis è inserita nei seguenti data base / Articles appearing in this journal are abstracted and indexed in: Clarivate Analytics: Biological Abstracts / BIOSIS Previews / Zoological Record; Aquatic Sciences and Fisheries Abstracts (ASFA); Elsevier B.V.: SCOPUS (NL); Directory of Open Access Journals (DOAJ).

To delo je objavljeno pod licenco / Quest'opera è distribuita con Licenza / This work is licensed under a Creative Commons BY-NC 4.0.

Navodila avtorjem in vse znanstvene revije in članki so brezplačno dostopni na spletni strani <https://zdjip.si/en/p/annalesshn/>  
The submission guidelines and all scientific journals and articles are available free of charge on the website <https://zdjip.si/en/p/annalesshn/>  
Le norme redazionali e tutti le riviste scientifiche e gli articoli sono disponibili gratuitamente sul sito <https://zdjip.si/en/p/annalesshn/>

## VSEBINA / INDICE GENERALE / CONTENTS 2020(2)

## SREDOZEMSKI MORSKI PSI

## SQUALI MEDITERRANEI

## MEDITERRANEAN SHARKS

**Paraskevi K. KARACHLE, Caterina STAMOULI & Aikaterini DOGRAMMATZI**

Review of the Sharpnose Sevengill Shark

*Heptranchias perlo* (Chondrichthyes:

Hexanchidae) in the Mediterranean:

Historical and Recent Data ..... 131

*Pregled o pojavljanju morskega psa**sedmeroškrgarja Heptranchias perlo**(Chondrichthyes: Hexanchidae) v Sredozemlju:**zgodovinski in recentni podatki***Hakan KABASAKAL**

A Historical Catch of White Shark,

*Carcharodon carcharias* (Lamniformes:

Lamnidae), in the Sea of Marmara (Turkey)

from the 1950s ..... 147

*Zgodovinski pregled ulova belega morskega**volka, Carcharodon carcharias (Lamniformes:**Lamnidae), v Marmarskem morju (Turčija) iz**petdesetih let***Nexhip HYSOLAKOJ, Rigers BAKIU & Alen SOLDI**

The First Record of Kitefin Shark

*Dalatias licha* in Albanian Waters ..... 151*Prvi zapis o pojavljanju klinoplavutega**morskega psa Dalatias licha v albanskih vodah***Deniz ERGÜDEN, Mahmut İĞDE, Cemal TURAN, Deniz AYAS & Hakan KABASAKAL**

Occurrence of a Large Bigeye Thresher Shark,

*Alopias superciliosus* (Lamniformes: Alopiidae),

in the Northeastern Levantine Sea (Iskenderun

Bay, Eastern Mediterranean Sea, Turkey) ..... 157

*Pojavljanje velike velikooke morske lisice,**Alopias superciliosus (Lamniformes: Alopiidae),**v severovzhodnem Levantskem morju (zaliv**Iskenderun, vzhodni Mediteran, Turčija)***Lovrenc LIPEJ, Janja FRANČE, Domen TRKOV, Borut MAVRIČ & Aleš BOLJE**

The Occurrence and Status of Thresher Shark

*(Alopias vulpinus)* in Waters Off Slovenia ..... 165*Pojavljanje in status navadnih morskih lisic**(Alopias vulpinus) v vodah Slovenije***Hakan KABASAKAL & Erdi BAYRI**

First Record of a Young-Of-The-Year

*Carcharodon carcharias* in the

Strait of the Dardanelles ..... 175

*Prvi zapis o pojavljanju prvoletnega**belega morskega volka (Carcharodon**carcharias) v dardanelski ožini***Francesco TIRALONGO, Clara MONACO & Alessandro DE MADDALENA**Report on a Great White Shark *Carcharodon**carcharias* Observed Off Lampedusa, Italy ..... 181*Zapis o pojavljanju belega morskega volka**Carcharodon carcharias pri Lampedusi, Italija***Hakan KABASAKAL**A Leucistic White Shark, *Carcharodon**carcharias* (Lamniformes: Lamnidae),

from the Northern Aegean Sea, Turkey ..... 187

*Belični primerek belega morskega volka,**Carcharodon carcharias (Lamniformes:**Lamnidae), iz severnega Egejskega**morja, Turčija*

## IHTIOLOGIJA

## ITTILOGIA

## ICHTHYOLOGY

**Christian CAPAPÉ, Youssouph DIATTA, Almamy DIABY, Sihem RAFRAFI-NOUIRA & Christian REYNAUD**

Leucistic Piebald Striped Panray,

*Zanobatus schoenleinii* (Chondrichthyes:

Zanobatidae), from the Coast of Senegal

(Eastern Tropical Atlantic) ..... 193

*Belični primerek vrste Zanobatus**schoenleinii (Chondrichthyes:**Zanobatidae) iz Senegalske obale**(vzhodni tropski Atlantik)***Fatiha DALOUCHE, Lotfi BENSARHA-TALET, Sidi Mohamed El Amine ABI AYAD & Ahmed BENSARHA-TALET**

Gonadal Development of Bogues,

*Boops boops* (Linnaeus, 1758),

from Oran Bay (Teleostei, Sparidae) ..... 201

*Razvoj gonad pri bukvi, Boops boops**(Linnaeus, 1758), iz Oranskega zaliva**(Teleostei, Sparidae)*

<b>Francesco TIRALONGO &amp; Roberto PILLON</b> New Distributional Records of <i>Gobius bucchichi</i> (Pisces, Gobiidae) from the Mediterranean Sea and In Situ Comparisons with <i>Gobius incognitus</i> ..... 215 <i>Novi podatki o razširjenosti vrste glavača Gobius bucchichi (Pisces, Gobiidae) iz Sredozemskega morja in in situ primerjave z vrsto Gobius incognitus</i>	FLORA FLORA FLORA
BIOINVAZIJA BIOINVASIONE BIOINVASION	<b>Amelio PEZZETTA</b> Le Papaveraceae Juss. della Flora Italiana: Distribuzione Regionale e Considerazioni Fitogeografiche ..... 245 <i>Družina Papaveraceae Juss. v italijanski flori: regionalna razširjenost in fitogeografska opredelitev</i>
<b>İnci TÜNEY-KIZILKAYA &amp; Okan AKYOL</b> Occurrence of <i>Scarus ghobban</i> (Scaridae) at the Border of the Aegean Sea (Kaş, Turkey) ..... 223 <i>Pojavljanje modroprogaste morske papige (Scaridae) na meji Egejskega morja (Kaş, Turkey)</i>	<b>Toufik CHEDADI, Omar IDRISI, Anas ELKHABLI, Youssef KHACHTIB, Abdelmajid HADDIOUI &amp; Mohammed EL HANSALI</b> Morphological Characterization of <i>Orobanche crenata</i> in Carrots and Legumes (Faba Bean and Chickpea): Indications of Potential Genetic Differentiation Towards Host Plants ..... 265 <i>Morfološka opredelitev vrste Orobanche crenata pri korenju in stročnicah (bob in čičerika): pokazatelji možne genetske diferenciacije proti gostiteljskim rastlinam</i>
<b>Argyro ZENETOS &amp; Anastasia MILIOU</b> <i>Abudedefduf cf. saxatilis</i> in the Saronikos Gulf, Greece: Unaided Introduction or Human Aided Transfer? ..... 227 <i>Abudedefduf cf. saxatilis v zalivu Saronikos (Grčija): nenameren ali nameren vnos?</i>	OCENE IN POROČILA RECENSIONI E RELAZIONI REVIEWS AND REPORTS
JADRANSKA MORSKA BIODIVERZITETA BIODIVERSITÀ MARINA DELL'ADRIATICO ADRIATIC MARINE BIODIVERSITY	<b>Lovrenc Lipej</b> Book review: ICHTHYOFAUNA OF THE ADRIATIC SEA ..... 283
<b>Martina ORLANDO-BONACA &amp; Domen TRKOV</b> After More Than Forty-Five Years a New Finding of <i>Cystoseira foeniculacea f. latiramosa</i> in the Coastal Sea of Slovenia ..... 233 <i>Nova najdba vrste Cystoseira foeniculacea f. latiramosa v obalnem morju Slovenije po več kot štiridesetih letih</i>	<b>Lovrenc Lipej</b> Book review: KNIGHTS, BALLERINAS AND INVISIBLES: THE DECAPOD CRUSTACEANS OF THE BRIJUNI MARINE PROTECTED AREA ..... 284
<b>Valentina PITACCO</b> First Record of the Echiurid <i>Maxmuelleria gigas</i> (M. Müller, 1852) in Slovenian Waters (Northern Adriatic) ..... 239 <i>Prvi zapis o pojavljanju zvezdaša Maxmuelleria gigas (M. Müller, 1852) v slovenskih vodah (severni Jadran)</i>	<b>Alenka Malej</b> Book review: BIODIVERZITETA BIOGENIH FORMACIJ. ZAKLADNICA NARAVE SLOVENSKEGA MORJA ..... 285
	POPRAVKI IN DOPOLNILA ERRATA CORRIGE ERRATA & CORRIGENDA
	Corrigendum to "Capture of a Large Great White Shark, <i>Carcharodon carcharias</i> (Lamnidae) from the Tunisian Coast (Central Mediterranean Sea): a Historical and Ichthyological Event", <i>Annales, Series Historia Naturalis</i> , 2020, 30(1), 9-14 ..... 289
	Kazalo k slikam na ovitku ..... 290 <i>Index to images on the cover</i> ..... 290

received: 2020-07-27

DOI 10.19233/ASHN.2020.29

## FIRST RECORD OF THE ECHIURID *MAXMUELLERIA GIGAS* (M. MÜLLER, 1852) IN SLOVENIAN WATERS (NORTHERN ADRIATIC)

*Valentina PITACCO*

Marine Biology Station Piran, National Institute of Biology, Fornače 41, 6330 Piran, Slovenia  
e-mail: valentina.pitacco@nib.si

### ABSTRACT

*One specimen of the echiurid Maxmuelleria gigas (M. Müller, 1852) was found in sediments at a depth of 23 m, during a monitoring campaign for macrobenthos in the northern Adriatic Sea in 2020. This finding represents the first record of the species for Slovenian waters.*

**Key words:** *Maxmuelleria gigas*, soft bottom, macrobenthos, northern Adriatic

## PRIMA SEGNALAZIONE DELL'ECHIURIDE *MAXMUELLERIA GIGAS* (M. MÜLLER, 1852) NELLE ACQUE SLOVENE (NORD ADRIATICO)

### SINTESI

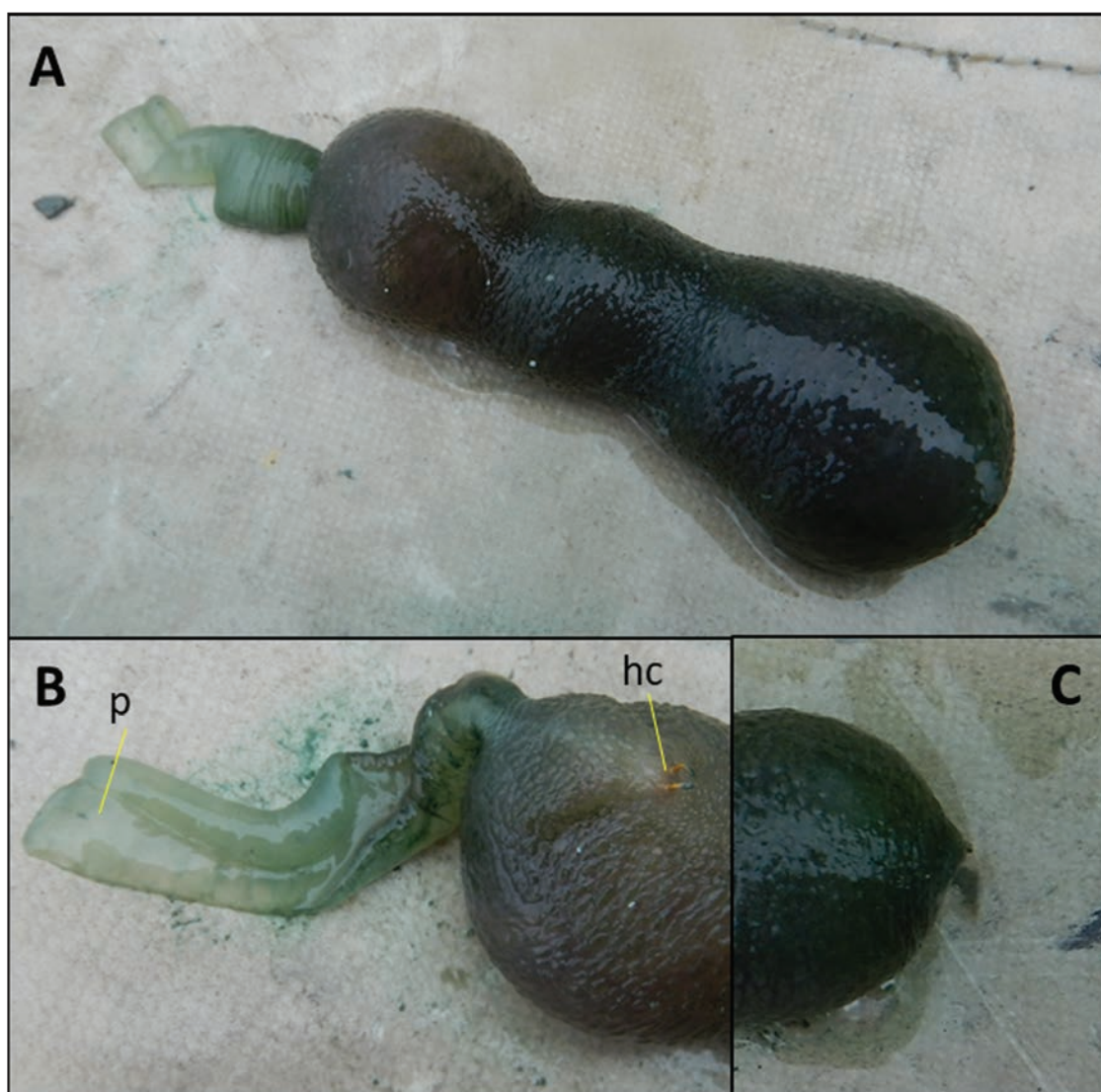
*Un esemplare dell'echiuride Maxmuelleria gigas (M. Müller, 1852) è stato trovato nel sedimento a 23 m, durante una campagna di monitoraggio del macrobenthos nel nord Adriatico nel 2020. Questo ritrovamento rappresenta la prima segnalazione di questa specie nelle acque slovene.*

**Parole chiave:** *Maxmuelleria gigas*, fondo mobile, macrobenthos, nord Adriatico

## INTRODUCTION

Echiurids, commonly known as “spoon worms” due to their tongue-like extensible proboscis, are a small and poorly known group, represented by 165 exclusively marine species of worldwide distribution (Tilic *et al.*, 2015). They occur in benthic habitats ranging from the littoral zone to the deep sea (Tilic *et al.*, 2015). Traditionally ranked as a phylum of their own, they are now, according to the most recent phylogenetical analyses (Goto *et al.*, 2020), considered as part of the phylum Annelida, even if they lack visible segmentation. In fact, it is now recognized, based on both molecular (Struck *et al.*, 2007; Weigert *et al.*,

2014; Struck *et al.*, 2015) and morphological (Hessling & Westheide 2002; Tilic *et al.*, 2015) evidence, that they are derived members of the Annelida, coming from a common ancestor that secondarily lost segmentation. Six species are currently known (Murina, 1984; Relini, 2008) in the Mediterranean Sea, but only two of them have been reported in the Adriatic Sea: *Bonellia viridis* Rolando, 1821, and *Maxmuelleria gigas* (M. Müller, 1852) both belonging to the family Bonelliidae Baird, 1868 (Zavodnik, 2017). While both species are reported for Italian (Relini, 2008) and Croatian waters (Zavodnik, 2017), only *B. viridis* was until now reported from Slovenian waters (Lipej & Vrišer, 1999; Sket, 2003).



**Fig. 1:** *Maxmuelleria gigas*. **A.** Entire animal, dorsal view, **B.** Anterior ventral part, **C.** Posterior part. **Hc** = hooked chaetae, **p** = proboscis.

**Sl. 1:** *Maxmuelleria gigas*. **A.** Cela žival s hrbtne strani, **B.** Sprednja trebušna stran, **C.** Zadnji del. **Hc** = kavljaste ščetine, **p** = rilec.

## MATERIAL AND METHODS

Sampling was performed during a benthic monitoring campaign in summer 2020 in the Gulf of Trieste (northern Adriatic) off the Slovenian coast. Sediment was collected with a Van Veen grab and sieved through a 1 mm mesh. The specimen was found at a depth of 23.5 m at one offshore location (Sed 6: 45°35'606"N, 13°37'456"E), in sediment composed of 53 % silt, 27 % clay, and 20 % sand (Ogorelec *et al.*, 1991). The specimen was immediately photographed and fixed in 70 % ethanol. It is now stored at the Marine Biology Station in Piran.

## RESULTS AND DISCUSSION

### Taxonomic account

Phylum ANNELIDA, Class POLYCHAETA Grube,  
1850

Order ECHIUROIDEA, Family BONELLIIDAE Lacaze-  
Duthiers, 1858

Genus *Maxmuelleria* Bock, 1942

Species *Maxmuelleria gigas* (M. Müller, 1852)

The specimen of *Maxmuelleria gigas* was about 15 cm in length, with green-coloured unsegmented, papillate sac-like trunk (Fig. 1A), and a single pair of hooked ventral chaetae (Fig. 1B), characteristic of all echiurid species (Tilic *et al.*, 2015). The green colour is due to a pigment called "bonellin" (Goto *et al.*, 2020). The species is distinguishable from other echiurids by the distinct highly expandable non-bifid proboscis (Fig. 1B), and posterior part of the trunk (Fig. 1C) without chaetae (Riedl, 1991). This species lives buried in silty or sandy bottoms, 20-50 m deep (Riedl, 1991). Like most echiurids, *M. gigas* is a deposit feeder (Goto, 2016), collecting organic particles from the sediments with its highly extensible proboscis (Riedl, 1991). Unlike *B. viridis*, which have been investigated more deeply, also in the Adriatic Sea (Zavodnik, 2017), the echiurid *M. gigas* is still poorly known. Originally

described as *Thalassema gigas* M. Müller, 1852, and assigned to the family Thalassematidae, it was later moved to the family Bonellidae and assigned to the genus *Maxmuelleria* (WoRMS Editorial Board, 2020). In general, the taxonomy and phylogeny of the echiurids are still object of revision (Goto *et al.*, 2020). Most species belonging to the Bonellidae are characterized by marked sexual dimorphism, with dwarf males residing inside, or attached to, the body of the female (Riedl, 1991). Since this reproductive character is typical of echiurids at bathyal and abyssal depths, Goto (2016) suggested that it could represent a mechanism of adaptation to deep water environments, and that in shallow water echiurids it could be the result of a secondary adaptation of the species after expanding its distribution to shallow waters. But while this phenomenon is well documented for bonellid echiurids with a bifid proboscis, like for those belonging to the genus *Bonellia*, it has not been ascertained yet in the males of the genus *Maxmuelleria* (Goto *et al.*, 2020).

The echiurid *M. gigas* is reported as a Mediterranean and European Atlantic species (Bakalem *et al.*, 2020). Despite being reported as locally abundant by Riedl (1991), there are very few recent records of this species, and only restricted to certain areas of the Mediterranean: central Mediterranean (Relini, 2008; Massi *et al.*, 2011), western Mediterranean (Camp & Ros, 1980; Harriague *et al.*, 2019; Bakalem *et al.*, 2020), central Adriatic (Atkinson *et al.*, 1998; Morello *et al.*, 2007; Relini, 2008), and northern Adriatic (Simonini *et al.*, 2007; Relini, 2008; Zavodnik, 2017). Some records are based only on the burrow type (Atkinson *et al.*, 1998; Morello *et al.*, 2007). The present record is the first for this species in Slovenian waters.

### ACKNOWLEDGEMENTS

This work was financed by the Slovenian Research Agency (ARRS), in the framework of the project "Razvoj trajnostnega modela rasti - zelenega pristanišča" (L7 – 1847). The author thanks Tihomir Makovec, Leon Zamuda and Matej Marinac for their work during sampling, and Dr. Branko Čermelj for sharing sedimentological data. A special thank also to Prof. Dr. Lovrenc Lipej for his suggestions and support.



PRVI ZAPIS O POJAVLJANJU ZVEZDAŠA *MAXMUELLERIA GIGAS* (M. MÜLLER, 1852) V SLOVENSKIH VODAH (SEVERNI JADRAN)

Valentina PITACCO

Morska biološka postaja Piran, Nacionalni inštitut za biologijo, Fornače 41, 6330 Piran, Slovenija  
e-mail: valentina.pitacco@nib.si

## POVZETEK

Med vzorčenjem makrobentosa v severnem Jadranu v letu 2020 je bil na sedimentnem dnu na globini 23 najden primerek zvezdaša *Maxmuelleria gigas* (M. Müller, 1852). Gre za prvo najdbo te vrste v slovenskih morskih vodah.

**Ključne besede:** *Maxmuelleria gigas*, mehko dno, makrobentos, severni Jadran

## REFERENCES

- Atkinson, R., C. Froglija, E. Arneri & B. Antolini (1998):** Observations on the burrows and burrowing behaviour of *Brachynotus gemmellari* and on the burrows of several other species occurring on *Squilla* grounds off Ancona, Central Adriatic. *Sci. Mar.*, 62(1-2), 91-100.
- Bakalem, A., P. Gillet, J.-P. Pezy & J.-C. Dauvin (2020):** Inventory and the biogeographical affinities of Annelida Polychaeta in the Algerian coastline (Western Mediterranean). *Mediterr. Mar. Sci.*, 21(1), 157-182.
- Camp, J. & J. Ros (1980):** Comunidades bentónicas de sustrato duro del litoral NE español. VIII. Sistemática de los grupos menores. *Inv. Pesq.*, 44(1), 199-209.
- Goto, R. (2016):** A comprehensive molecular phylogeny of spoon worms (Echiura, Annelida): Implications for morphological evolution, the origin of dwarf males, and habitat shifts. *Mol. Phylogenet. Evol.*, 99, 247-260.
- Goto, R., J. Monnington, M. Sciberras, I. Hirabayashi & G.W. Rouse (2020):** Phylogeny of Echiura updated, with a revised taxonomy to reflect their placement in Annelida as sister group to Capitellidae. *Invertebr. Syst.*, 34(1), 101-111.
- Harriague, A.C., R. Danovaro & C. Mistic (2019):** Macrofaunal assemblages in canyon and adjacent slope of the NW and Central Mediterranean systems. *Prog. Oceanogr.*, 171, 38-48.
- Hessling, R. & W. Westheide (2002):** Are Echiura derived from a segmented ancestor? Immunohistochemical analysis of the nervous system in developmental stages of *Bonellia viridis*. *J. Morphol.*, 252(2), 100-113.
- Lipej, L. & B. Vrišer (1999):** Stanje raziskanosti favne nevretenčarjev v slovenskem morju. Nacionalni inštitut za biologijo, Morska biološka postaja Piran, Ljubljana. (In Slovenian).
- Massi, D., A. Titone, R. Micalizzi, G.B. Giusto & G. Sinacori (2011):** Macrozoobenthos raccolto nelle campagne di pesca a strascico condotte nello Stretto di Sicilia nel periodo 2003-2010. ID/MP/DM-AT-RM-CBG-GS/7/0411/DRAFT, 17 pp.
- Morello, E.B., C. Froglija & R. Atkinson (2007):** Underwater television as a fishery-independent method for stock assessment of Norway lobster (*Nephrops norvegicus*) in the central Adriatic Sea (Italy). *ICES. J. Mar. Sci.*, 64(6), 1116-1123.
- Murina, V.V. (1984):** The composition and distribution of the Echiurans of the Mediterranean. *Tr. Inst. Okeanol. Akad. Nauk. SSSR*, 119, 82-98 (in Russian).
- Ogorelec, B., M. Mišič & J. Faganeli (1991):** Marine geology of the Gulf of Trieste (northern Adriatic): Sedimentological aspects. *Mar. Geol.*, 99(1-2), 79-92.
- Relini, G. (2008):** Pogonophora – Echiura. In: Relini, G. (ed.): Checklist della flora e della fauna dei mari italiani, Parte I, *Biol. Mar. Mediterr.*, pp. 374-375.
- Riedl, R. (1991):** Fauna e flora del Mediterraneo. Franco Muzzio editore, Roma, 777 pp.
- Simonini, R., I. Ansaloni, P. Bonini, V. Grandi, F. Graziosi, M. Iotti, G. Massamba-N'Siala, M. Mauri, G. Montanari & M. Preti (2007):** Recolonization and recovery dynamics of the macrozoobenthos after sand extraction in relict sand bottoms of the Northern Adriatic Sea. *Mar. Environ. Res.*, 64(5), 574-589.
- Sket, B. (2003):** Zvezdaši – Echiurida. In: B. Sket, M. Gogala & V. Kuštor (eds.): *Živalstvo Slovenije*, Tehniška založba Slovenije, Ljubljana, 155 pp. (In Slovenian).
- Struck, T., A. Golombek, A. Weigert, F. Franke, W. Westheide, G. Purschke, C. Bleidorn & K. Halanach (2015):** The evolution of annelids reveals two adaptive routes to the interstitial realm. *Curr. Biol.*, 25(15), 1993-1999.
- Struck, T.H., N. Schult, T. Kusen, E. Hickman, C. Bleidorn, D. McHugh & K.M. Halanach (2007):** Annelid phylogeny and the status of Sipuncula and Echiura. *BMC Evol. Biol.*, 7(1), 57.
- Tilic, E., J. Lehrke & T. Bartolomaeus (2015):** Homology and evolution of the chaetae in Echiura (Annelida). *PLoS ONE*, 10(3), e0120002.
- Weigert, A., C. Helm, M. Meyer, B. Nickel, D. Arendt, B. Hausdorf, S. R. Santos, K. M. Halanach, G. Purschke & C. Bleidorn (2014):** Illuminating the base of the annelid tree using transcriptomics. *Mol. Biol. Evol.*, 31(6), 1391-1401.
- WoRMS Editorial Board (2020):** World Register of Marine Species. Available from <http://www.marinespecies.org> at VLIZ. Accessed 2020-07-20. doi:10.14284/170.
- Zavodnik, D. (2017):** Marine fauna of Mljet National Park (Adriatic Sea, Croatia). 7. Echiura. *Nat. Croatica*, 26(1), 33-44.