

ANNALES



*Anali za istrske in mediteranske študije
Annali di Studi istriani e mediterranei
Annals for Istrian and Mediterranean Studies
Series Historia Naturalis, 32, 2022, 1*



UDK 5

ISSN 1408-533X
e-ISSN 2591-1783



ANNALES

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

Series Historia Naturalis, 32, 2022, 1

KOPER 2022

**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 Ivajnšič, Mitja Kaligarič, Marcelo Kovačič (HR), Andrej Kranjc, Lovrenc Lipej, Vesna Mačić (ME), Alenka Malej, Patricija Mozetič, Martina Orlando-Bonaca, Michael Stachowitzsch (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

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.

Izdajatelja/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.zdjp.si

Redakcija te številke je bila zaključena 30. 06. 2022.

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

Javna agencija za raziskovalno dejavnost Republike Slovenije (ARRS) 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: BIOSIS-Zoological Record (UK); 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://zdjp.si/en/p/annalesshn/> / The submission guidelines and all scientific journals and articles are available free of charge on the website <https://zdjp.si/en/p/annalesshn/> / Le norme redazionali e tutti le riviste scientifiche e gli articoli sono disponibili gratuitamente sul sito <https://zdjp.si/en/p/annalesshn/>



VSEBINA / INDICE GENERALE / CONTENTS 2022(1)

SREDOZEMSKI MORSKI PSI
SQUALI MEDITERRANEI
MEDITERRANEAN SHARKS**Farid HEMIDA, Christian REYNAUD & Christian CAPAPÉ**

Observations on Thresher Shark, *Alopias vulpinus* (Chondrichthyes: Alopiidae) from the Coast of Algeria (Southwestern Mediterranean Sea) 1
Opazovanja morskih lisic, Alopias vulpinus (Chondrichthyes: Alopiidae) ob alžirski obali (jugozahodno Sredozemsko morje)

Elif ÖZGÜR ÖZBEK & Hakan KABASAKAL

Notes on Smoothback Angel Shark, *Squatina oculata* (Squatiniformes: Squatinidae) caught in the Gulf of Antalya 9
Zapis o pegastih sklatih, Squatina oculata (Squatiniformes: Squatinidae), ujetih v Antalijskem zalivu

Alessandro PAGANO & Alessandro DE MADDALENA

Underwater Observations of the Rare Angular Roughshark *Oxynotus centrina* (Chondrichthyes: Squalidae) in the Waters of Santa Tecla (Sicily, Italy) 17
Podvodna opazovanja redkega morskega pršiča, Oxynotus centrina (Chondrichthyes: Squalidae) v vodah Sante Tecle (Sicilija, Italija)

Deniz ERGÜDEN, Deniz AYAS & Hakan KABASAKAL

Morphometric Measurements of Three Young Carcharhinid Species from Northeastern Levant (Mediterranean Sea) 25
Morfometrične meritve mladičev treh vrst morskih psov iz družine Carcharhinidae iz severnovzhodnega Levanta (Sredozemsko morje)

Hakan KABASAKAL

Projections on the Future of Deep-Sea Sharks in the Sea of Marmara, Where Deep Zones Are Threatened by Deoxygenation: a Review 35
Napovedi o prihodnosti globomorskih morskih psov v Marmarskem morju, ogroženem zaradi pomanjkanja kisika: pregled

BIOINVAZIJA

BIOINVASIONE
BIOINVASION

Alan DEIDUN, Bruno ZAVA & Maria CORSINI-FOKA

Distribution Extension of *Lutjanus argentimaculatus* (Lutjanidae) and *Psenes pellucidus* (Nomeidae) to the Waters of Malta, Central Mediterranean Sea 49
Širjenje areala vrst Lutjanus argentimaculatus (Lutjanidae) in Psenes pellucidus (Nomeidae) v malteške vode (osrednje Sredozemsko morje)

Sami M. IBRAHIM, Abdulraziq A. ABDULRRAZIQ, Abdulghani ABDULGHANI, Sara A.A. AL MABRUK, David SALVATORI, Bruno ZAVA, Maria CORSINI-FOKA & Alan DEIDUN

First Record of *Enchelycore anatina* (Muraenidae) from Libyan Waters and an Additional Record from Southern Italy (Western Ionian Sea) 59
Prvi zapis o pojavljanju kavljezobe murene Enchelycore anatina (Muraenidae) iz libijskih voda in dodatni zapis za južno Italijo (zahodno Jonsko morje)

Rasha Ali HENEISH & Samir Ibrahim RIZKALLA Morphometric and Meristic Characteristics of a New Record of Bluespot Mullet <i>Crenimugil seheli</i> (Pisces: Mugilidae) in Egyptian Mediterranean waters	67	Deniz ERGÜDEN & Cemal TURAN A Rare Occurrence of <i>Carapus acus</i> (Carapidae) in the Eastern Mediterranean, Turkey <i>Redko pojavljanje strmorinca Carapus acus (Carapidae) v vzhodnem Sredozemskem morju (Turčija)</i>	113
<i>Novi zapis o pojavljanju vrste Crenimugil seheli (Pisces: Mugilidae) v egiptovskih sredozemskih vodah in njene morfometrične in meristične značilnosti</i>			
Yana SOLIMAN, Adib SAAD, Vienna HAMMOUD & Christian CAPAPÉ Heavy Metal Concentrations in Tissues of <i>Siganus rivulatus</i> (Siganidae) from the Syrian Coast (Eastern Mediterranean Sea)	75	Laith JAWAD, Murat ŞIRİN, Miloslav PETRTÝL, Ahmet ÖKTENER, Murat ÇELIK & Audai QASIM Skeletal Abnormalities in Four Fish Species Collected from the Sea of Marmara, Turkey	119
<i>Vsebnost težkih kovin v tkivih marmoriranega morskega kunca Siganus rivulatus (Siganidae) iz sirske obale (vzhodno Sredozemsko morje)</i>		<i>Skeletne anomalije pri štirih vrstah rib iz Marmarskega morja (Turčija)</i>	
IHTIOLOGIJA ITTOLOGIA ICHTHYOLOGY			
Jihade ALAHYENE, Brahim CHIAHOU, Hammou EL HABOUZ & Abdelbasset BEN-BANI Length Based Growth Estimation of the Blue Shark <i>Prionace glauca</i> from the Moroccan Central Atlantic Coast	85	RAZMNÖŽEVALNA EKOLOGIJA ECOLOGIA RIPRODUTTIVA REPRODUCTIVE ECOLOGY	
<i>Dolžinsko-masni odnos in ocena rasti pri sinjem morskem psu (Prionace glauca) iz osrednje atlantske obale Maroka</i>			
Okan AKYOL, Altan LÖK & Funda ERDEM Occurrence of <i>Cubiceps gracilis</i> (Nomeidae) in the Eastern Mediterranean Sea	101	Amaria Latefa BOUZIANI, Khaled RAHMANI, Samira AIT DARNA, Alae Eddine BELMAHI, Sihem ABID KACHOUR & Mohamed BOUDERBALA Gonadal Histology in <i>Diplodus vulgaris</i> from the West Algerian Coast	137
<i>Pojavljanje klateža, Cubiceps gracilis (Nomeidae), v vzhodnem Sredozemskem morju</i>		<i>Histologija gonad pri navadnem šparu (Diplodus vulgaris) iz zahodne alžirske obale</i>	
Farid HEMIDA, Boualem BRAHMI, Christian REYNAUD & Christian CAPAPÉ Occurrence of the Rare Driftfish <i>Cubiceps gracilis</i> (Nomeidae) from the Algerian Coast (Southwestern Mediterranean Sea)	107	Cheikhna Yero GANDEGA, Nassima EL OMRANI, Rezan O. RASHEED, Mohammed RAMDANI & Roger FLOWER The Growth and Reproduction of Two Sparidae, <i>Pagrus caeruleostictus</i> and <i>Pagellus bellottii</i> in Northern Mauritanian Waters (Eastern Tropical Atlantic)	143
<i>Pojavljanje redkega klazeža Cubiceps gracilis (Nomeidae) z alžirske obale (jugozahodno Sredozemsko morje)</i>		<i>Rast in razmnoževanje dveh vrst pagrov, Pagrus caeruleostictus in Pagellus bellottii v severnih mavretanskih vodah (vzhodni tropski Atlantik)</i>	
Nassima EL OMRANI, Hammou EL HABO-UZ, Abdellah BOUHAIMI, Jaouad ABOU OUALID, Abdellatif MOUKRIM, Jamila GOZOULI, Mohammed RAMDANI, Roger FLOWER & Abdelbasset BEN-BANI The Reproductive Biology of the Pouting <i>Trisopterus luscus</i> from the Atlantic Coast of Morocco			
		<i>Reproduktivna biologija francoskega moliča (Trisopterus luscus) iz atlantske obale Maroka</i>	155

Mourad CHÉRIF, Rimel BENMESSAOUD & Christian CAPAPÉ

- Growth Patterns and Age Structure of *Mullus surmuletus* (Mullidae) from the Northern Coast of Tunisia (Central Mediterranean Sea) 173
Rastni parametri in starostna struktura progasti bradačev Mullus surmuletus (Mullidae) iz severne tunizijske obale (osrednje Sredozemsko morje)

FLORA
 FLORA
 FLORA

Martina ORLANDO-BONACA, Erik LIPEJ, Romina BONACA & Leon Lojze ZAMUDA

- Improvement of the Ecological Status of the *Cymodocea nodosa* Meadow near the Port of Koper 185
*Izboljšanje ekološkega stanja morskega travnika kolenčaste cimodoceje (*Cymodocea nodosa*) v bližini koprskega pristanišča*

FAVNA
 FAVNA
 FAVNA

Manja ROGELJA, Martin VODOPIVEC & Alenka MALEJ

- Cestum veneris* Lesueur, 1813 (Ctenophora) – a Rare Guest in the Northern Adriatic Sea 197
Cestum veneris Lesueur, 1813 (Ctenophora) – redenk gost v severnem Jadranu

Adla KAHRić, Dalila DELIĆ & Dejan KULIJER

- Notospermus annulatus* (Nemertea: Lineidae), a New Record for Bosnia and Herzegovina 205
Notospermus annulatus (Nemertea: Lineidae), prvi zapis o pojavljanju za Bosno in Hercegovino

Andrea LOMBARDO & Giuliana MARLETTA

- Report of an Interesting *Trapania* (Gastropoda: Nudibranchia: Goniodorididae) Specimen from Central Eastern Sicily 211
Zapis o zanimivem primerku iz rodu Trapania (Gastropoda: Nudibranchia: Goniodorididae) iz osrednje vzhodne Sicilije

Abdelkarim DERBALI & Othman JARBOUI

- Stock Assessment, Cartography and Sexuality of the Wedge Clam *Donax trunculus* in the Gulf of Gabes (Tunisia) 217
Ocena staleža, kartografija in spolnost klinaste školjke Donax trunculus v gabeškem zalivu (Tunizija)

Abdelkarim DERBALI, Aymen HADJ TAIEB & Othman JARBOUI

- Length-Weight Relationships and Density of Bivalve Species in the Shellfish Production Area of Zarzis (Tunisia, Central Mediterranean Sea) 229
Dolžinsko-masni odnos in gostota školjk na gojišču školjk v predelu Zarsisa (Tunizija, osrednje Sredozemsko morje)

Toni KOREN

- The Diversity of Moths (Lepidoptera: Heterocera) of Significant Landscape Donji Kamenjak and Medulin Archipelago, Istria, Croatia 237
Raznolikost nočnih metuljev (Lepidoptera: Heterocera) Pomembne pokrajine Donji Kamenjak in Medulinski arhipelag, Istra, Hrvaška

OCENE IN PEROČILA
 RECENSIONI E RELAZIONI
 REVIEWS AND REPORTS

Ines Mandić Mulec & Nives Ogrinc

- Recenzija knjige: Mikrobična biogeokemijska voda 263
 Kazalo k slikam na ovtiku 265
Index to images on the cover 265

received: 2022-03-08

DOI 10.19233/ASHN.2022.22

REPORT OF AN INTERESTING *TRAPANIA* (GASTROPODA: NUDIBRANCHIA: GONIODORIDIDAE) SPECIMEN FROM CENTRAL EASTERN SICILY

Andrea LOMBARDO & Giuliana MARLETTA

Department of Biological, Geological and Environmental Sciences - University of Catania, 95124 Catania, Italy
e-mail: giuliana.marletta@phd.unict.it; andylombardo94@gmail.com

ABSTRACT

The present note reports the finding in the Mediterranean Sea of a particular specimen belonging to the genus Trapania. Comparing the external morphological data of the found specimen with the relevant literature and sitography, it was observed that this specimen cannot be attributed to any of the hitherto known species of this genus. Future studies that will comprehend a more in-depth investigation of both morphological and anatomical characters, supported by molecular analyses, could allow in the future to do a complete and accurate description of this species.

Key words: Doridina, Goniodorididae, Ionian Sea, marine Heterobranchia, *Trapania*

SEGNALAZIONE DI UN INTERESSANTE ESEMPLARE DI *TRAPANIA* (GASTROPODA: NUDIBRANCHIA: GONIODORIDIDAE) DALLA SICILIA CENTRO ORIENTALE

SINTESI

La presente nota riporta il ritrovamento nel Mediterraneo di un particolare esemplare appartenente al genere Trapania. Confrontando i caratteri morfologici esterni dell'esemplare rinvenuto con la letteratura e la sitografia di riferimento, è stato osservato che quest'esemplare non può essere attribuito a nessuna delle specie finora conosciute appartenenti a questo genere. Futuri studi che comprenderanno una più approfondita indagine dei caratteri sia morfologici che anatomici, accompagnati da analisi molecolari, potranno consentire in futuro di effettuare una completa e accurata descrizione di questa specie.

Parole chiave: Doridina, Goniodorididae, mar Ionio, Heterobranchia marini, *Trapania*

INTRODUCTION

The nudibranch species belonging to the genus *Trapania* Pruvot-Fol, 1931 present a characteristic aspect, which makes them easily distinguishable from other dorids. The body is longitudinally elongated, and the only evidences of the mantle ridge are represented by two pairs of curved lateral processes, the first located laterally to the rhinophores and the second on each side of the gills.

The rhinophores are club shaped and lamellated. The gills are three and can be bipinnate or tripinnate. The oral tentacles are relatively short and round and beneath them, from the anterior edge of the foot, two tentacular evasions originate (Rudman, 1987). Rudman (1987) highlighted that, to diversify and determine the species of this genus, one of the most important features is the external colouration.

Examining the scientific literature (Cervera *et al.*, 2000; Trainito & Doneddu, 2014; Trainito *et al.*, 2018; Doneddu *et al.*, 2020), it appears that currently in the Mediterranean the species belonging to this genus are seven: *Trapania graeffei* (Bergh, 1880); *T. lineata* Haefelfinger, 1960; *T. maculata* Haefelfinger, 1960; *T. orteai* Garcia-Gomez & Cervera in Cervera & Garcia-Gomez, 1989; *T. pallida* Kress, 1968; *T. hispalensis* Cervera & Garcia-Gomez, 1989 and *T. tartanella* (Ihering, 1886). This assemblage of species emerged by the fact that, recently, Doneddu *et al.* (2020) highlighted that all the Mediterranean findings previously attributed to *T. fusca* (Lafont, 1874) [a species until recently considered present in the Mediterranean Sea (Trainito & Doneddu, 2014)], are actually reports of *T. graeffei*. Indeed, these two species were considered as synonyms (e.g. Pruvot-Fol, 1954; Schmekel & Portmann, 1982) or probable synonyms (e.g. Rudman, 1987). Instead, Doneddu *et al.* (2020) have recently re-established the taxonomical validity of *T. graeffei*, considering it as a separate species, different from *T. fusca*. Consequently, according to these authors, *T. fusca* is an Atlantic species exclusively known for its type locality (Arcachon basin, French Atlantic coasts) and thus not present in the Mediterranean.

Recently, during a scuba dive in a site located along the central-eastern coast of Sicily, we encountered a nudibranch specimen belonging to the genus *Trapania*, which presented an external morphology not corresponding to no other species of this genus so far described. Consequently, with the present note, it is documented the finding of an interesting *Trapania* specimen, which if found again in the future, would deserve further morphological-anatomical and genetic investigations.

MATERIAL AND METHODS

The present report was carried out in a site called Scalo Pennisi (37°38'23.2" N - 15°11'04.6" E) situated in the hamlet of Santa Tecla (in the municipality of Acireale) located along the central-eastern coast of Sicily (Italy).

The found specimen of *Trapania* was not collected, but it was photographed through an Olympus TG-4 Underwater Camera, during a scuba dive, conducted by the authors between 9–11:30 a.m. on 20th January 2022. The specimen identification was carried out by examining photographs and comparing them with information contained in the relevant literature and sitography (Haefelfinger, 1960; Kress, 1968; Schmekel & Portmann, 1982; Rudman, 1998; Cervera *et al.*, 2000; Gosliner & Fahey, 2008; Trainito & Doneddu, 2014; Doneddu *et al.*, 2020; MolluscaBase, 2022).

RESULTS

On 20th January 2022, in the site of Scalo Pennisi, it was found at 21.7 m of depth (seawater temperature = 15°C) a nudibranch specimen belonging to the genus *Trapania*. The animal (Fig. 1 A-G) presented a greyish general body colouring. On most of the body surface, there were scattered brown dots. These latter were easily visible dorsally, in the space between the rhinophores and the gills and at the base of them. Moreover, these dots were also present on the flanks, on either side of the head and behind the gills. On the body surface there were also rough white longitudinal lines/spots arranged as follows: a characteristic inverted V-shaped pattern that went from each oral tentacle to the antero-dorsal part of the head; some longitudinal spots scattered in the space between the rhinophores, the gills, the flanks, on the dorsal part of the tail and on all body processes. These last presented all (including the point of the tail) distally a yellow-lemon coloration. Rhinophores presented 8-9 lamellae. The specimen presented a body length of 8-9 mm. The animal was observed while climbing on a thallus of *Halopteris filicina* (Grateloup) Kützing. However, in order to improve the photographic output, the specimen was moved on a thallus of *Zonaria tournefortii* (J. V. Lamouroux) Montagne.

DISCUSSION

Through the comparison of the external morphology of our specimen with the other 47 known species of *Trapania* (MolluscaBase, 2022), it was observed that the individual described in the present note does not match to no other species belonging to this genus. Indeed, the presence of

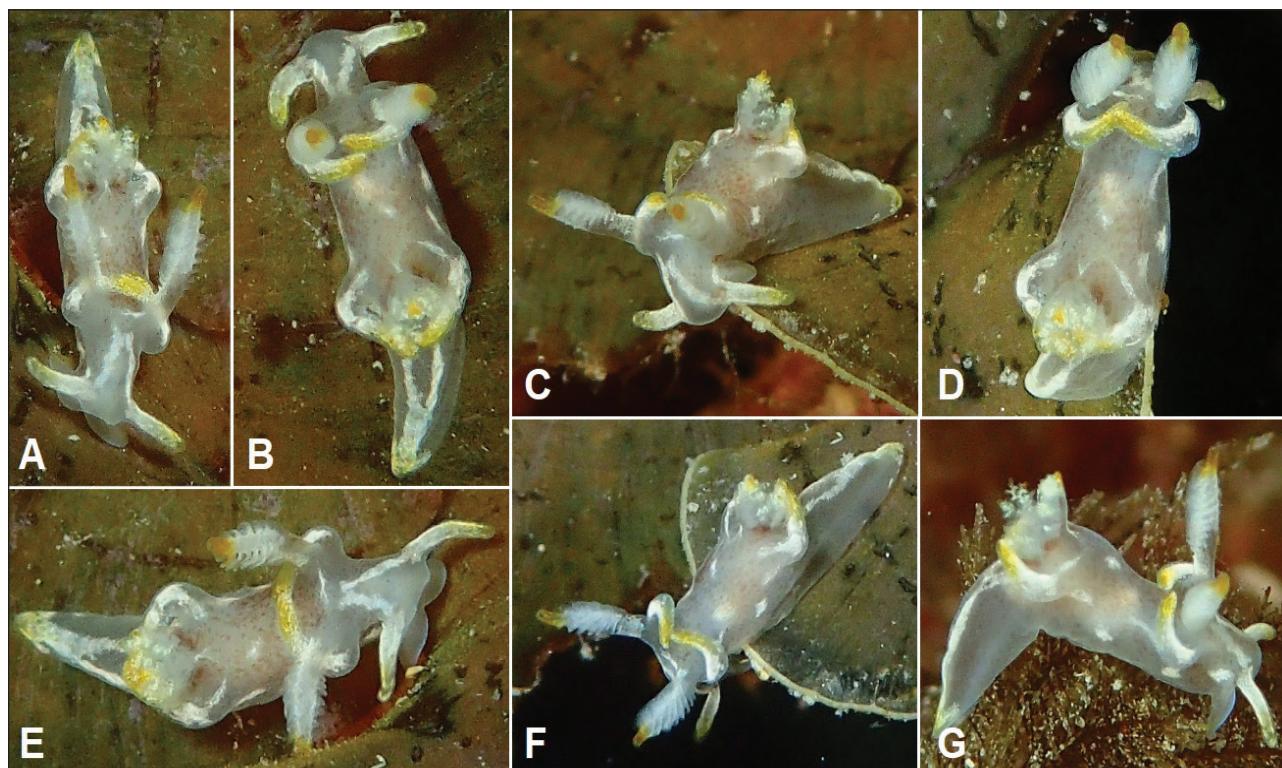


Fig. 1: *Trapania* sp. found in Scalo Pennisi (Sicily, Italy). A) anterior view; B) dorsal view; C) left antero-lateral view; D) postero-dorsal view; E) dorso-lateral view during crawling; F) left dorso-lateral view; G) right dorso-lateral view (Photos by A. Lombardo).

Sl. 1: Primerek vrste iz rodu *Trapania*, najden na lokaliteti Scalo Pennisi (Sicily, Italy). A) pogled od spredaj; B) pogled od zgoraj; C) pogled s sprednje bočne strani; D) pogled zadnjega dela od zgoraj; E) pogled od zgoraj in z boka med plazenjem; F) levi hrbtno-bočni pogled; G) desni hrbtno-bočni pogled (Fotografije: A. Lombardo).

a particular discontinuous pattern of white lines/spots and of brown dots scattered along some areas of the body, makes this animal not attributable to no other known species belonging to this genus. The unique description, which reflects some of the external features found in our specimen, is that reported by Schmekel and Portmann (1982), for some specimens detected at Ischia (Italy) and identified by them as *T. fusca*: "General body-colour yellowish. The tips of the gills, cerata, oral tentacles and the tip of the tail are bright cadmium yellow. Opaque white dots form a broad diffuse stripe dorsally, which runs from the upper lip to the base of the rhinophores, over the pericard, to the appendages of the gills and to the tail. On each side of the body there is another vague, white, longitudinal stripe. Fine brown pigment covers the surface, wherever the opaque white is absent". Nevertheless, this description does not correspond to the original description of *T. fusca* written by Lafont (1874): "Body brown, speckled with small white dots; anterior tentacles yellow,

with brown base; upper tentacles with translucent base, cylindrical apex, greenish-yellow and middle part lamellate with 7 lamellae; branched gills, pale yellow in color". Moreover, as above-mentioned, recently Doneddu et al. (2020) highlighted that all Mediterranean records of *T. fusca* are actually attributable to *T. graeffei*. However, the specimens found by Schmekel and Portmann (1982) and by us are completely different from *T. graeffei* (they do not present either black blotches or pink nuances). Consequently, it is likely that the specimen here reported, as well as those described by Schmekel and Portmann (1982), are not ascribable to either *T. fusca* or *T. graeffei*, but, on the contrary, might belong to a different taxonomical entity. In our opinion, these individuals could represent a new species that here we limit ourselves to denote as *Trapania* sp., due to the insufficient amount of morphological and anatomical data. Therefore, future studies, which will comprehend a more in-depth investigation of both morphological and anatomical features, supported

by molecular analyses, could allow to perform a complete description of this species. Moreover, continuous monitoring activities in field may increase the knowledge on this group and on the Mediterranean biodiversity.

ACKNOWLEDGEMENTS

We would like to thank two anonymous reviewers, which through their suggestions and criticism, allowed to improve the present manuscript.

ZAPIS O ZANIMIVEM PRIMERKU IZ RODU TRAPANIA (GASTROPODA: NUDIBRANCHIA: GONIODORIDIDAE) IZ OSREDNJE VZHODNE SICILIE

Andrea LOMBARDO & Giuliana MARLETTA

Department of Biological, Geological and Environmental Sciences - University of Catania, 95124 Catania, Italy
e-mail: giuliana.marletta@phd.unict.it; andylombardo94@gmail.com

POVZETEK

Avtorja poročata o najdbi nenavadnega primerka iz rodu *Trapania* v Sredozemskem morju. Primerjava zunanjih morfoloških znakov najdenega primerka je pokazala, da je ne moremo uvrstiti v nobeno doslej znano vrsto iz tega rodu. Prihodnje raziskave, ki bodo upoštevale poglobljeno analizo morfoloških in anatomskeh znakov in bodo podprte z molekularnimi analizami, bodo omogočile popoln in natančen opis te vrste.

Ključne besede: Doridina, Goniodorididae, Jonsko morje, morski zaškrgarji, *Trapania*

REFERENCES

- Cervera, J.L., J.C. García-Gómez & C. Megina (2000):** A new species of *Trapania* Pruvot-Fol, 1931 from the bay of Cadiz. With remarks on other *Trapania* species (Nudibranchia: Goniodorididae). *Ophelia*, 52(1), 17-24. <https://doi.org/10.1080/00785236.1999.10409416>.
- Doneddu, M., E. Trainito & G. Furfaro (2020):** *Trapania graeffei* (Bergh, 1881) (Gastropoda, Nudibranchia) is a valid Mediterranean species. *Boll. Malacol.*, 56(1), 86-90.
- Gosliner, T.M. & S.J. Fahey (2008):** Systematics of *Trapania* (Mollusca: Nudibranchia: Goniodorididae) with descriptions of 16 new species. *System. Biodivers.*, 6(1), 53-98. <https://doi.org/10.1017/S1477200007002587>.
- Haefelfinger, H.R. (1960):** Neue und wenig bekannte Opisthobranchier der Gattungen *Trapania* und *Caloria* aus der Bucht von Villefranche-sur-Mer. *Rev. Suisse Zool.*, 67(2), 226-238.
- Kress, A. (1968):** *Trapania pallida* sp. nov. (Opisthobranchia, Gastropoda), a genus new to Britain. *Proc. Malc. Soc. Lond.*, 38, 161-165. <https://doi.org/10.1093/oxfordjournals.mollus.a065034>.
- Lafont, A. (1874):** Description d'un nouveau genre de nudibranche des côtes de France. *J. Conchyliol.*, series 3, 22, 369-370.
- MolluscaBase, eds. (2022):** MolluscaBase. *Trapania* Pruvot-Fol, 1931. Accessed through: World Register of Marine Species at: <https://www.marine-species.org/aphia.php?p=taxdetails&id=138043> on 2022-04-16.
- Pruvot-Fol, A. (1954):** Faune de France vol. 58. Mollusques Opisthobranches. Paul Lechevalier, Paris, 460 pp.
- Rudman, W.B. (1987):** The genus *Trapania* (Nudibranchia: Goniodorididae) in the Indo-West Pacific. *J. Moll. Stud.*, 53, 189-212. <https://doi.org/10.1093/molus/53.2.189>.
- Rudman, W.B. (1998):** Sea slug forum (<http://www.seaslugforum.net/>).
- Schmekel, L. & A. Portmann (1982):** Opisthobranchia des Mittelmeeres. Nudibranchia und Saccoglossa. Springer-Verlag., Berlin, Germany, 410 pp.
- Trainito, E. & M. Doneddu (2014):** Nudibranchi del Mediterraneo. Il Castello, Cornaredo, 192 pp.
- Trainito, E., M. Fantin & G. Furfaro (2018):** *Trapania pallida* Kress, 1968 (Gastropoda, Nudibranchia): first record for Italian waters and new additional notes on its diet and on Mediterranean records. *Stud. Mar.*, 31(2), 32-37. DOI: 10.5281/zenodo.2412558.