

 Look Up Full Text


Save to EndNote online

Add to Marked List

◀ 1 of 1 ▶

Report on five species of harpacticoid copepods from vegetative area of Sungai Pulai, Johor

By: Kassim, Z (Kassim, Zaleha)^[1]; Hasnan, HH (Hasnan, Hazwani Hanim)^[1]; Zainal, S (Zainal, Syazleen)^[2]; Ishak, NHA (Ishak, Nurul Huda Ahmad)^[3]

MALAYSIAN JOURNAL OF FUNDAMENTAL AND APPLIED SCIENCES

Volume: 14 Issue: 2 Pages: 284-288

Published: APR-JUN 2018

Document Type: Article

Abstract

Bottom vegetation is known as preferred habitat for many types of meiofauna such as copepods. The conditions of sea bottom that include vegetation could contribute to the copepod's assemblage. Being an important diet for fish larvae, information on copepod species promotes effort for conservation of both fish species and marine ecosystem. Nonetheless, identification and taxonomic report on copepods from such areas are still scanty. Samples of copepods were collected by scrapping the uppermost 10cm of sediment of bottom area at Sungai Pulai's seagrass-bed during low tide. Sediment was decanted to extract the copepods which later be preserved in 5% buffered formalin. Body parts were dissected under microscope and prepared for taxonomic study. All drawings made with the help of Lucida tube were used for comparison with established key of identification. Five families were noted in this study; Ameridae Monard, Lang, Parastenhelia Thompson & A. Scott, Dactylopusiidae Lang, Tisbidae Sars and Diosaccidae Sars. Harpacticoid copepod species described from this study were Ameira sp. (Ameridae Monard, Lang), Parastenhelia sp. (Parastenhelia Thompson & A. Scott), Paradactylopodia sp. (Dactylopusiidae, Lang), Idyanthepusilla (Tisbidae, Sars) and Stenhelia sp. (Diosaccidae Sars). Further study on functional morphology would explain their adaptability to both conditions of sea bottom.

Keywords

Author Keywords: Harpacticoid; Sungai Pulai; vegetative habitat

KeyWords Plus: COMMUNITY STRUCTURE; ABUNDANCE

Author Information

Reprint Address: Kassim, Z (reprint author)

+ Int Islamic Univ Malaysia, Kulliyah Sci, Jalan Sultan Ahmad Shah, Kuantan 25200, Pahang, Malaysia.

Addresses:

+ [1] Int Islamic Univ Malaysia, Kulliyah Sci, Jalan Sultan Ahmad Shah, Kuantan 25200, Pahang, Malaysia

+ [2] Univ Malaysia Terengganu, Sch Fisheries & Aquaculture Sci, Kuala Terengganu 21030, Terengganu, Malaysia

+ [3] Univ Malaysia Terengganu, Sch Marine & Environm Sci, Kuala Terengganu 21030, Terengganu, Malaysia

E-mail Addresses: drzack@iium.edu.my

Funding

Funding Agency	Grant Number

Citation Network

In Web of Science Core Collection

0

Times Cited

 Create Citation Alert

19

Cited References

[View Related Records](#)

Use in Web of Science

Web of Science Usage Count

0

Last 180 Days

0

Since 2013

[Learn more](#)

This record is from:
Web of Science Core Collection
- Emerging Sources Citation Index

Suggest a correction

If you would like to improve the quality of the data in this record, please [suggest a correction](#).

Research Initiative Grant Scheme International Islamic University Malaysia	RIGS 16-315-0479
--	------------------

[View funding text](#)**Publisher**

PENERBIT UTM PRESS, PENERBIT UTM PRESS, SKUDAI, JOHOR, 81310, MALAYSIA

Categories / Classification

Research Areas: Science & Technology - Other Topics

Web of Science Categories: Multidisciplinary Sciences

See more data fields

◀ 1 of 1 ▶

Cited References: 19Showing 19 of 19 [View All in Cited References page](#)*(from Web of Science Core Collection)*

- Interstitial and Phytal Harpacticoida (Crustacea: Copepoda) inhabiting the Mediollittoral Zone of the Datca-Bozburun Peninsulas (Mugla, Turkey).** Times Cited: **10**

By: Alper, Alp; Karaytug, Suphan; Sak, Serdar

SDU Fen Edebiyat Fakultesi Fen Dergisi Volume: 5 Issue: 1 Pages: 16-28 Published: 2010
- Feeding Habits of Larval Fishes of the Family Clupeidae (Actinopterygii: Clupeiformes) in the Estuary of River Pendas, Johor, Malaysia.** Times Cited: **8**

By: Ara, R.; Arshad, A.; Musa, L.; et al.

Journal of Fisheries and Aquatic Science Volume: 6 Issue: 7 Pages: 816-821 Published: 2011
- Influence of environmental parameters on shrimp post-larvae in the Sungai Pulai seagrass beds of Johor Strait, Peninsular Malaysia** Times Cited: **3**

By: Arshad, A; Ara, R; Amin, SMN; et al.

Scientific Research and Essays Volume: 6 Pages: 5501-5506 Published: 2011

[\[Show additional data\]](#)
- Niche segregation and habitat specialisation of harpacticoid copepods in a tropical seagrass bed** Times Cited: **20**

By: De Troch, M; Fiers, F; Vincx, M

MARINE BIOLOGY Volume: 142 Issue: 2 Pages: 345-355 Published: FEB 2003
- Diet of marine fish larvae and juveniles that use rocky intertidal pools at the Portuguese coast** Times Cited: **6**

By: Dias, M.; Silva, A.; Cabral, H. N.; et al.

JOURNAL OF APPLIED ICHTHYOLOGY Volume: 30 Issue: 5 Pages: 970-977 Published: OCT 2014
- Community structure and microhabitat preferences of harpacticoid copepods in a tropical reef lagoon (Zanzibar Island, Tanzania)** Times Cited: **15**

By: Gheerardyn, H.; De Troch, M.; Ndaro, S. G. M.; et al.

JOURNAL OF THE MARINE BIOLOGICAL ASSOCIATION OF THE UNITED KINGDOM Volume: 88 Issue: 4 Pages: 747-758 Published: JUN 2008
- Taxonomy of a benthic copepod: Methamphiascopsis hirsutus (Thompson & A. Scott, 1903) (harpacticoida: Diosaccidae) from Bidong Island, Malaysia** Times Cited: **1**

By: Huda, A. I. N.; Zaleha, K.

Malaysian Journal of Microscopy Volume: 5 Issue: 1 Pages: 36-41 Published: 2009