

LIST of PUBLICATIONS

70. **Böttger-Schnack, R.**, & D. Schnack 2023. The microcopepod family Oncaeidae: state of knowledge and perspectives. *Marine Biology* 170:110, 46 pp. <https://doi.org/10.1007/s00227-023-04249-6> (view paper at <https://rdcu.be/dhKsW>)
69. CHO, K., PARK, C. & **R. BÖTTGER-SCHNACK** 2021. Taxonomy of three species of the genus *Spinoncaea* (Copepoda, Oncaeidae) in the North Pacific Ocean with focus on morphological variability. *ZooKeys* 1043: 147-191. <https://doi.org/10.3897/zookeys.1043.64438>
68. BÖTTGER-SSCHNACK, R., & A. GUBANOVA 2021. Obituary Alexandra Alexandrovna Shmeleva 1926-2021. *Crustaceana* 94(6), 751-755.
67. KRŠINIĆ, F., **BÖTTGER-SCHNACK, R.**, & O. VIDJAK 2020. Small copepods of the deep South Adriatic Pit: diversity, seasonal and multi-annual dynamics, and implications from the regional hydrography. *Environ Monit Assess* 192: 545. <https://doi.org/s10661-020-08462-4> (view paper at <https://rdcu.be/b554n>)
66. CHO, K., **BÖTTGER-SCHNACK, R.**, KIM, W.-S. & W. LEE 2019. Two new species of the *similis*-subgroup of *Triconia* (Copepoda, Oncaeidae) and a redescription of *T. denticula* from the northeastern equatorial Pacific. *Zoosystema* 41 (28): 567-593. <https://doi.org/10.5252/zoosystema2019v41a28>)
65. **BÖTTGER-SCHNACK, R.** & D. SCHNACK 2019. OncIdent – an interactive identification key for Oncaeidae Giesbrecht, 1893 [“1892“] (Copepoda: Cyclopoida). *Mar. Biodiv.* 49(2): 1043-1046. DOI 10.1007/s12526-018-0863-z (view paper at <http://rdcu.be/Jf5Z>)
64. CHO, K., **BÖTTGER-SCHNACK, R.**, KIM, W.-S. & W. LEE 2017. Two species of the *conifera*-subgroup of *Triconia* (Copepoda, Cyclopoida, Oncaeidae) from the Northeastern equatorial Pacific, with a first description of the male of *T. hirsuta* Wi, Böttger-Schnack and Soh, 2010. *Zootaxa* 4286 (3): 347-369.
63. **BÖTTGER-SCHNACK, R.** & D. SCHNACK 2015. Development of an interactive identification key for Oncaeidae (Copepoda: Cyclopoida). *J. Nat. Hist.* 49 (45-48), 2727-2741. DOI 10.1080/00222933.2015.1022614
62. CHO, K., KIM, W.-S., **BÖTTGER-SCHNACK, R.** & W. LEE 2013. A new species of the *dentipes*-subgroup of *Triconia* and a redescription of *T. giesbrechti* and *T. elongata* (Copepoda: Cyclopoida: Oncaeidae) from the tropical Pacific and the Korea Strait. *J. Nat. Hist.* 47 (25-28): 1707-1743.
61. MCKINNON, A.D., DUGGAN, S., **BÖTTGER-SCHNACK, R.**, GUSMÃO, L.F.M. & R.A. O'LEARY 2013. Depth structuring of pelagic copepod biodiversity in waters adjacent to an Eastern Indian Ocean coral reef. *J. Nat. Hist.* 47 (5-12): 639-665. DOI 10.1080/00222933.2012.674645
- 60. BÖTTGER-SCHNACK, R.** & D. SCHNACK 2013. Definition of species groups of Oncaeidae (Copepoda: Cyclopoida) as basis for a worldwide identification key. *J. Nat. Hist.* 47 (5-12): 265-288. DOI 10.1080/00222933.2012.708453

59. WI, J.H., **BÖTTGER-SCHNACK**, R. & H.Y. SOH 2012. Two new species belonging to the *dentipes*- and *conifera*-subgroups of *Triconia* (Copepoda: Cyclopoida: Oncaeidae) from the East China Sea. J. Crust. Biol. 32(5): 843-859.
58. **BÖTTGER-SCHNACK**, R. & R.J. MACHIDA 2011. Comparison of morphological and molecular traits for species identification and taxonomic grouping of oncaeid copepods. Hydrobiologia 666: 111-125.
57. **BÖTTGER-SCHNACK**, R. 2011. Taxonomic re-examination and distribution of copepods reported as *Oncaea notopus* Giesbrecht, 1891 (Copepoda, Oncaeidae) in the Mediterranean Sea. Mar. Biodiv. 41: 325-341.
56. WI, J.H., **BÖTTGER-SCHNACK**, R & H.Y. SOH 2010. Species of *Triconia* of the *conifera* -subgroup (Copepoda, Cyclopoida, Oncaeidae) from Korean waters, including a new species. J. Crust. Biol. 30(4):673-691.
55. ABERLE, N., HANSEN, T., **BÖTTGER-SCHNACK**, R., BURMEISTER, A., POST, A. F. & U. SOMMER 2010. Differential routing of 'new' nitrogen toward higher trophic levels within the marine food web of the Gulf of Aqaba, northern Red Sea. Mar. Biol. 157:157-169
54. **BÖTTGER-SCHNACK**, R. & D. SCHNACK 2009. Taxonomic diversity and identification problems of oncaeid microcopepods in the Mediterranean Sea. Mar. Biodiv. 39: 131-145.
53. **BÖTTGER-SCHNACK**, R. 2009. Taxonomy of Oncaeidae (Copepoda, Poecilostomatoida) from the Red Sea. – IX. *Epicalymma bulbosa* sp. nov., first record of the genus from the Red Sea. J. Plankton Res. 31:1027-1043.
52. KOPPELMANN, R., **BÖTTGER-SCHNACK**, R., MÖBIUS, J., & H. WEIKERT 2009. Trophic relationships of zooplankton in the eastern Mediterranean based on stable isotope measurements. J. Plankton Res. 31 (6): 669-686
51. **BÖTTGER-SCHNACK**, R., SCHNACK, D. & W. HAGEN 2008. Microcopepod community structure in the Gulf of Aqaba and the northern Red Sea, with special reference to Oncaeidae. J. Plankton Res. 30: 529-550.
50. MCKINNON, A.D., DUGGAN, S., CARLETON, J.H. & R. **BÖTTGER-SCHNACK** 2008. Summer planktonic copepod communities of Australia's North West Cape (Indian Ocean) during the 1997-99 El Niño/La Niña. J. Plankton Res. 30: 839-855
49. SCHNACK-SCHIEL, S.B., NIEHOFF, B., HAGEN, W., **BÖTTGER-SCHNACK**, R., CORNILS, A., DOWIDAR, M.M., PASTERNAK, A., STAMBLER, N., STÜBING, D. & C. RICHTER 2008. Population dynamics and life strategies of *Rhincalanus nasutus* (Copepoda) at the onset of the spring bloom in the Gulf of Aqaba (Red Sea). J. Plankton Res. 30: 655-672.
48. **BÖTTGER-SCHNACK**, R. 2008 ("2007") Obituary Kunigunde Hulsemann. Mitt. hamb. zool. Mus. Inst. 104: 1-5. (dated 2007)
47. HUYS, R. & R. **BÖTTGER-SCHNACK** 2008 ("2007") Taxonomy of Oncaeidae (Copepoda, Poecilostomatoida) from the Red Sea. - VIII. Morphology and phylogenetic position of *Oncaea tregoubovi* Shmeleva, 1968 and the closely related *Oncaea prendeli* Shmeleva, 1966 from the Mediterranean Sea. Mitt. hamb. zool. Mus. Inst. 104: 89-127. (dated 2007)
46. ELVERS, D., **BÖTTGER-SCHNACK**, R., BLOHM, D. & W., HAGEN 2006. Sympatric size

variants of the microcopepod *Oncaea venusta* exhibit distinct lineages in DNA sequences. Mar. Biol. 149:503-513.

45. BÖTTGER-SCHNACK, R. 2005. Taxonomy of Oncaeidae (Copepoda, Poecilostomatoida) from the Red Sea. VII. *Oncaea cristata*, a new species related to the *ovalis*-complex, and a revision of *O. ovalis* Shmeleva and *O. bathyalis* Shmeleva from the Mediterranean. Cah. Biol. Mar. 46: 161-209.

44. BÖTTGER-SCHNACK, R. & D. SCHNACK 2005. Population structure and fecundity of the microcopepod *Oncaea bispinosa* in the Red Sea - a challenge to general concepts for the scaling of fecundity. Mar. Ecol. Prog. Ser. 302: 159-175.

43. GIBBONS, M.J., RICHARDSON, A.J., ANGEL, M.V., BUECHER, E., ESNAL, G., FERNANDEZ ALAMO, M.A., GIBSON, R., ITOH, H., PUGH, P., **BÖTTGER-SCHNACK, R.** & E. THUESEN 2005. What determines the likelihood of species discovery in marine holozooplankton: is size, range or depth important ? Oikos 109: 567-576.

42. BÖTTGER-SCHNACK, R. 2004. *Triconia parasimilis* Böttger-Schnack, 1999 (Copepoda, Oncaeidae), first record from the NW Pacific (Oyashio), with the description of the male. Mitt. hamb. zool. Mus. Inst. 101: 213-223.

41. BÖTTGER-SCHNACK, R. & R. HUYS 2004. Size polymorphism in *Oncaea venusta* Philippi, 1843 and the validity of *O. frosti* Heron, 2002: a commentary. Hydrobiologia 513: 1-5.

40. BÖTTGER-SCHNACK, R., LENZ, J. & H. WEIKERT 2004. Are taxonomic details of relevance to ecologists ? An example from oncaeid microcopepods of the Red Sea. Mar. Biol. 144: 1127-1140.

39. BÖTTGER-SCHNACK, R. 2003. Taxonomy of Oncaeidae (Copepoda, Poecilostomatoida) from the Red Sea. V. Three species of *Spinoncaea* gen. nov. (*ivlevi*-group), with notes on zoogeographical distribution. Zool. J. Linn. Soc. 137: 187-226.

38. BÖTTGER-SCHNACK, R. 2002. Taxonomy of Oncaeidae (Copepoda, Poecilostomatoida) from the Red Sea. VI. Morphology and zoogeography of *Oncaea bispinosa* sp. nov., a sistertaxon of *O. zernovi* Shmeleva. J. Plankton Res. 24: 1107-1129.

37. SOMMER, U., BERNINGER, U.-G., **BÖTTGER-SCHNACK, R.**, CORNILS, A., HAGEN, W., HANSEN, T., AL-NAJJAR, T., POST, A.F., SCHNACK-SCHIEL, S.B., STIBOR, H., STÜBING, D. & S. WICKHAM 2002. Grazing during early spring in the Gulf of Aqaba and the northern Red Sea. Mar. Ecol. Prog. Ser. 239: 251-261.

36. BÖTTGER-SCHNACK, R. 2001. Taxonomy of Oncaeidae (Copepoda, Poecilostomatoida) from the Red Sea. II. Seven species of *Oncaea* s. str. Bull. nat. Hist. Mus. Lond. (Zool.) 67(1): 25-84.

35. BÖTTGER-SCHNACK, R., HAGEN, W. & S.B. SCHNACK-SCHIEL 2001. The microcopepod fauna in the Gulf of Aqaba, northern Red Sea: Species diversity and distribution of Oncaeidae (Poecilostomatoida). J. Plankton Res. 23: 1029-1035.

34. BÖTTGER-SCHNACK, R. & R. HUYS 2001. Taxonomy of Oncaeidae (Copepoda, Poecilostomatoida) from the Red Sea. III. Morphology and phylogenetic position of *Oncaea subtilis* Giesbrecht, 1892. Proceedings of the 7th International Conference on Copepoda, Curitiba, Brazil, July 25 - 31, 1999. Hydrobiologia 453/454: 467-481.

33. BÖTTGER-SCHNACK, R. 2000. Taxonomy of Oncaeidae (Copepoda, Poecilostomatoida) from the

Red Sea. IV. First record of the male of *Triconia recta* Böttger-Schnack, with notes on its distribution. Mitt. hamb. zool. Mus. Inst. 97: 67-76.

32. BÖTTGER-SCHNACK, R. 1999. Taxonomy of Oncaeidae (Copepoda, Poecilostomatoida) from the Red Sea. I. 11 species of *Triconia* gen. nov. and a redescription of *T. similis* (Sars) from Norwegian waters. Mitt. hamb. zool. Mus. Inst. 96: 37-128.

31. BÖTTGER-SCHNACK, R. & R. HUYS 1998. Species groups within the genus *Oncaea* (Copepoda, Poecilostomatoida). Proceedings of the 6th International Conference on Copepoda, Oldenburg/Bremerhaven, Germany, July 29 - August 3, 1996. J. mar. Syst. 15: 369-371.

30. BÖTTGER-SCHNACK, R. 1997. Vertical structure of small metazoan plankton, especially non-calanoïd copepods. II. Deep Eastern Mediterranean (Levantine Sea). Oceanol. Acta 20: 399-419.

29. BÖTTGER-SCHNACK, R. & R. HUYS 1997a. *Archioncaea arabica* gen. et sp. nov., a remarkable oncaeid (Copepoda: Poecilostomatoida) from the northern Arabian Sea. Cah. Biol. Mar. 38: 79-89.

28. BÖTTGER-SCHNACK, R. & R. HUYS 1997b. Morphological observations on *Oncaea mediterranea* (Claus, 1863) (Copepoda: Poecilostomatoida) with a comparison of Red Sea and eastern Mediterranean populations. Bull. nat. Hist. Mus. Lond. (Zool.) 63: 137-147.

27. HUYS, R. & R. **BÖTTGER-SCHNACK** 1996/1997. On the diphyletic origin of the Oncaeidae Giesbrecht, 1892 (Copepoda: Poecilostomatoida) with a phylogenetic analysis of the Lubbockiidae fam. nov. Zool. Anz. 235: 243-261.

26. BÖTTGER-SCHNACK, R. 1996. Vertical structure of small metazoan plankton, especially non-calanoïd copepods. I. Deep Arabian Sea. J. Plankton Res. 18: 1073-1101.

25. OHTSUKA, S., **BÖTTGER-SCHNACK, R.**, OKADA, M. & T. ONBÉ 1996. In situ feeding habits of *Oncaea* (Copepoda: Poecilostomatoida) from the upper 250 m of the central Red Sea, with special reference to consumption of appendicularian houses. Bull. Plankton Soc. Japan 43: 89-105.

24. BÖTTGER-SCHNACK, R. 1995. Summer distribution of micro- and small mesozooplankton in the Red Sea and Gulf of Aden, with special reference to non-calanoïd copepods. Mar. Ecol. Prog. Ser. 118: 81-102.

23. BÖTTGER-SCHNACK, R. 1994. The microcopepod fauna in the Eastern Mediterranean and Arabian Seas: a comparison with the Red Sea fauna. In: FERRARI, F.D. & B.P. BRADLEY (eds), Ecology and morphology of copepods. Proceedings of the 5th International Conference on Copepoda, Baltimore, USA, June 6-13, 1993; Developments in Hydrobiology 102: 271-282; reprinted from Hydrobiologia 292/293.

22. HUYS, R. & R. **BÖTTGER-SCHNACK** 1994. Taxonomy, biology and phylogeny of Miraciidae (Copepoda: Harpacticoida). Sarsia 79: 207-283.

21. KINZER, J., **BÖTTGER-SCHNACK, R.** & K. SCHULZ 1993. Aspects of horizontal distribution and diet of myctophid fish in the Arabian Sea with reference to the deep water oxygen deficiency. Deep-Sea Res. II. Vol. 40 (3): 783-800.

20. BÖTTGER-SCHNACK, R. 1992. Community structure and vertical distribution of cyclopoid and poecilostomatoid copepods in the Red Sea. III. Re-evaluation for separating a new species of *Oncaea*. Mar. Ecol. Prog. Ser. 80: 301-304.

19. HUYS, R., BOXSHALL, G.A. & R. **BÖTTGER-SCHNACK** 1992. On the discovery of the male of *Mormonilla* Giesbrecht 1892 (Copepoda, Mormonilloida). Bull. Br. Mus. nat. Hist. (Zool.) 58 (2): 157-170.
18. **BÖTTGER-SCHNACK**, R. 1991. Seasonal changes in the vertical distribution and size structure of *Macrosetella gracilis* populations (Copepoda, Harpacticoida) in the Red Sea. Bull. Plankton Soc. Japan (Spec. Vol.): 309-320.
17. **BÖTTGER-SCHNACK**, R. 1990 a. Community structure and vertical distribution of cyclopoid copepods in the Red Sea. I. Central Red Sea, autumn 1980. Mar. Biol. 106: 473-485.
16. **BÖTTGER-SCHNACK**, R. 1990 b. Community structure and vertical distribution of cyclopoid copepods in the Red Sea. II. Aspects of seasonal and regional differences. Mar. Biol. 106: 487-501.
15. **BÖTTGER-SCHNACK**, R. & G.A. BOXSHALL 1990. Two new *Oncaea* species (Copepoda: Poecilostomatoida) from the Red Sea. J. Plankton Res. 12: 861-871.
14. **BÖTTGER-SCHNACK**, R. 1989. Body length of female *Macrosetella gracilis* (Copepoda: Harpacticoida) from various depth zones in the Red Sea. Mar. Ecol. Prog. Ser. 52: 33-37.
13. **BÖTTGER-SCHNACK**, R. & D. SCHNACK 1989. Vertical distribution and population structure of *Macrosetella gracilis* (Copepoda: Harpacticoida) in the Red Sea in relation to the occurrence of *Oscillatoria* (*Trichodesmium*) spp. (Cyanobacteria). Mar. Ecol. Prog. Ser. 52: 17-31.
12. **BÖTTGER-SCHNACK**, R., SCHNACK, D. & H. WEIKERT 1989. Biological observations on small cyclopoid copepods in the Red Sea. J. Plankton Res. 11: 1089-1101.
11. **BÖTTGER-SCHNACK**, R. 1988. Observations on the taxonomic composition and vertical distribution of cyclopoid copepods in the central Red Sea. In: BOXSHALL, G.A. & H.K. SCHMINKE (eds), Biology of Copepods. Proceedings of the Third International Conference on Copepoda, London, August 10-14, 1987. Hydrobiologia 167/168: 311-318.
10. BOXSHALL, G.A. & R. **BÖTTGER-SCHNACK** 1988. Unusual ascothoracid nauplii from the Red Sea. Bull. Br. Mus. nat. Hist. (Zool.) 54: 275-283.
09. **BÖTTGER**, R. 1987. The vertical distribution of micro- and small mesozooplankton in the central Red Sea. Biol. Oceanogr. 4: 383-402.
08. BOXSHALL, G.A. & R. **BÖTTGER** 1987. Two new species of *Oncaea* (Copepoda: Poecilostomatoida) from the Red Sea and a redescription of *O. atlantica* Shmeleva. J. Plankton Res. 9: 553-564.
07. **BÖTTGER**, R. & D. SCHNACK 1986. On the effect of formaldehyde fixation on the dry weight of copepods. Meeresforsch. 31: 141-152.
06. FERRARI, F.D. & R. **BÖTTGER** 1986. Sexual dimorphism and a sex-limited polymorphism in the copepod *Paroithona pacifica* Nishida, 1985 (Cyclopoida: Oithonidae) from the Red Sea. Proc. Biol. Soc. Wash. 99: 274-285.
05. **BÖTTGER**, R. 1985. Untersuchungen zur Verteilung der kleinen Metazoa im Plankton des Roten Meeres, unter besonderer Berücksichtigung cyclopoider und harpacticoider Copepoden. Diss. Fachbereich Biologie, Universität Hamburg, 248 pp.

04. BÖTTGER, R. 1984. The effect of formalin fixation on the dry weight of copepods, with special reference to *Eurytemora affinis* (POPPE 1880). ICES C.M. 1984/L:24.

03. BÖTTGER, R. 1982. Studies on the small invertebrate plankton of the Sargasso Sea. Helgoländer Meeresunters. 35: 369-383.

02. SCHNACK, D. & R. BÖTTGER 1981. Interrelation between invertebrate plankton and larval fish development in the Schlei fjord, Western Baltic. Kieler Meeresforsch., Sonderh. 5: 202-210.

01. BÖTTGER, R. 1979. Untersuchungen über das Zooplankton der Schlei im Hinblick auf das Nahrungsangebot für Heringslarven im Frühjahr. Diplomarbeit Universität Hamburg, Fachbereich Biologie, 109pp.