

# FAUNA AQUATICA AUSTRIACA

## CRUSTACEA (Crustaceans) COPEPODA: HARPACTICOIDA

Santiago Gaviria & Andreas Fuchs

Dr. Santiago Gaviria  
Universität Wien  
Department für Limnologie und Bio-Ozeanographie  
Postadresse:  
Technisches Büro für Biologie Dr. Gaviria-Melo  
Fred-Raymondgasse 19/2/4  
A-1220 Wien  
santiago.gaviria@gmx.at

Dr. Andreas Fuchs  
Rathausplatz 5  
A-3970 Weitra  
fuchs@groundwaterecology.de

### Quotation note

Gaviria, S. & A. Fuchs (2017): Crustacea: Copepoda: Harpacticoida.  
In Moog, O. & A. Hartmann (Eds.): Fauna Aquatica Austriaca, 3.  
Edition 2017. BMLFUW, Wien.



Systematic and nomenclature according to:

Boxshall, G. (2008): Harpacticoida. In: Walter, T.C. & G. Boxshall (2017). World of Copepods database. Accessed at <http://marinespecies.org/copepoda/aphia.php?p=taxdetails&id=1102> on 2017-05-24.

Martin, J. W. & G. E. Davis (2001): An updated classification of the recent Crustacea. Science Series 39. Natural History Museum of Los Angeles County. Los Angeles, CA (USA). VII, 123 pp.

---

## Species inventory

### Family Ameiridae

#### Subfamily Amerinae

##### Genus *Nitocra* BOECK, 1865

*Nitocra divaricata divaricata* CHAPPUIS, 1923

*Nitocra hibernica hibernica* (BRADY, 1880)

##### Genus *Nitocrella* CHAPPUIS, 1924

*Nitocrella hirta hirta* CHAPPUIS, 1924

*Nitocrella hofmilleri* BREHM, 1953

*Nitocrella tirolensis* KIEFER, 1963

### Family Canthocamptidae

#### Subfamily Canthocamptinae

##### Genus *Attheyella* BRADY, 1880

##### Subgenus *Attheyella*

*Attheyella (Attheyella) crassa* (SARS, 1863)

*Attheyella (Attheyella) wierzejskii wierzejskii* (MRÁZEK, 1863)

##### Subgenus *Neomrazekiella*

*Attheyella (Neomrazekiella) dentata dentata* (POGGENGOL, 1874)

*Attheyella (Neomrazekiella) trispinosa* (BRADY, 1880)

##### Genus *Bryocamptus* CHAPPUIS, 1928

##### Subgenus *Arcticocamptus*

*Bryocamptus (Arcticocamptus) alpestris* (VOGT, 1845)

*Bryocamptus (Arcticocamptus) cuspidatus* (SCHMEIL, 1893)

*Bryocamptus (Arcticocamptus) rhaeticus* (SCHMEIL, 1893)

*Bryocamptus (Arcticocamptus) vandouwei* (KESSLER, 1914)

##### Subgenus *Bryocamptus*

*Bryocamptus (Bryocamptus) minutus* (CLAUS, 1863)

*Bryocamptus (Bryocamptus) vej dovskyi vej dovskyi* (MRÁZEK, 1893)

##### Subgenus *Echinocamptus*

*Bryocamptus (Echinocamptus) echinatus* (MRÁZEK, 1893)

*Bryocamptus (Echinocamptus) hoferi* (VAN DOUWE, 1907)

##### Subgenus *Rheocamptus*

*Bryocamptus (Rheocamptus) pygmaeus pygmaeus* (SARS, 1863)

*Bryocamptus (Rheocamptus) typhlops* (MRÁZEK, 1893)

*Bryocamptus (Rheocamptus) weberi* (KESSLER, 1914)

*Bryocamptus (Rheocamptus) zschokkei tatrensis* (MINKIEWICZ, 1917)

*Bryocamptus (Rheocamptus) zschokkei zschokkei* (SCHMEIL, 1893)

##### Genus *Canthocamptus* WESTWOOD, 1836

##### Subgenus *Canthocamptus*

*Canthocamptus (Canthocamptus) microstaphylinus* WOLF, 1905

*Canthocamptus (Canthocamptus) staphylinus* (JURINE, 1820)

**Genus Elaphoidella** CHAPPUIS, 1929

- Elaphoidella bidens* (SCHMEIL, 1894)  
*Elaphoidella elaphoides* (CHAPPUIS, 1924)  
*Elaphoidella gracilis gracilis* (SARS, 1863)  
*Elaphoidella plesai* PESCE & GALASSI, 1994  
*Elaphoidella proserpina* CHAPPUIS, 1934

**Genus Epactophanes** MRÁZEK, 1893

- Epactophanes richardi* MRÁZEK, 1893

**Genus Hypocamptus** CHAPPUIS, 1929

- Hypocamptus brehmi* (VAN DOUWE, 1922)

**Genus Maraenobiotus** MRÁZEK, 1893

- Maraenobiotus brucei carpathicus* CHAPPUIS, 1928  
*Maraenobiotus insignipes alpinus* KEILHACH, 1909  
*Maraenobiotus vej dovskyi truncatus* GURNEY, 1932  
*Maraenobiotus vej dovskyi vej dovskyi* MRÁZEK, 1893  
*Maraenobiotus vej dovskyi zschokkei* KREIS, 1920

**Genus Moraria** T. & A. SCOTT, 1893**Subgenus Moraria**

- Moraria (Moraria) brevipes* (SARS, 1863)  
*Moraria (Moraria) monticola* (MENZEL, 1912)  
*Moraria (Moraria) poppei* (MRÁZEK, 1893)  
*Moraria (Moraria) radovnae* BRANCELJ, 1988  
*Moraria (Moraria) varica* (GRAETER, 1911)

**Genus Pesceus** ÖZDIKMEN, 2008

- Pesceus schmeili* (MRÁZEK, 1893)

**Genus Pilocamptus** HUYS, 2009

- Pilocamptus pilosus* (VAN DOUWE, 1910)

**Family Ectinosomatidae****Genus Halectinosoma** LANG, 1948

- Halectinosoma abrau* (KRICHAGIN, 1878)

**Family Parastenocarididae****Subfamily Fontinalicaridinae****Genus Fontinalicaris** JAKOBI, 1972

- Fontinalicaris fontinalis fontinalis* SCHNITTER & CHAPPUIS, 1914

**Genus Proserpinicaris** JAKOBI, 1972

- Proserpinicaris phyllura* (KIEFER, 1938)

**Subfamily Parastenocaridinae****Genus Horstkurtcaris** KARANOVIC & LEE, 2012

- Horstkurtcaris noll noll* (KIEFER, 1938)

**Genus Minutacaris** JAKOBI, 1972

- Minutacaris austriaca* (KIEFER, 1976)

---

**Genus *Parastenocaris*** KESSLER, 1913

*Parastenocaris brevipes* KESSLER, 1913

*Parastenocaris germanica* KIEFER, 1936

**Family *Phyllognathopodidae***

**Genus *Phyllognathopus*** MRÁZEK, 1893

*Phyllognathopus viguieri* (MAUPAS, 1892)

**Functional feeding guilds****(Adults, copepodite stages 4 and 5)\*;\*\*\***

	SHR	GRA	AFIL	PFIL	DET	MIN	XYL	PRE	PAR	OTH
<b>Attheyella</b>										
<b>Untergattung Attheyella</b>										
<i>Attheyella (Attheyella) crassa</i>	-	-	-	-	5	-	-	-	-	5
<i>Attheyella (Attheyella) wierzejskii wierzejskii</i>	-	-	-	-	++	-	-	-	-	++
<b>Untergattung Neomrazekiella</b>										
<i>Attheyella (Neomrazekiella) dentata dentata</i>	-	-	-	-	++	-	-	-	+	++
<i>Attheyella (Neomrazekiella) trispinosa</i>	-	-	-	-	++	-	-	-	+	++
<b>Bryocamptus</b>										
<b>Untergattung Arcticocamptus</b>										
<i>Bryocamptus (Arcticocamptus) alpestris</i>	-	-	-	-	++	-	-	-	-	++
<i>Bryocamptus (Arcticocamptus) cuspidatus</i>	-	-	-	-	++	-	-	-	-	++
<i>Bryocamptus (Arcticocamptus) rhaeticus</i>	-	-	-	-	++	-	-	-	-	++
<i>Bryocamptus (Arcticocamptus) vandouwei</i>	-	-	-	-	++	-	-	-	-	++
<b>Untergattung Bryocamptus</b>										
<i>Bryocamptus (Bryocamptus) minutus</i>	-	-	-	-	3	-	-	4	-	3
<i>Bryocamptus (Bryocamptus) vej dovskyi vej dovskyi</i>	-	-	-	-	++	-	-	-	-	++
<b>Untergattung Echinocamptus</b>										
<i>Bryocamptus (Echinocamptus) echinatus</i>	-	-	-	-	5	-	-	-	-	5
<i>Bryocamptus (Echinocamptus) hoferi</i>	-	-	-	-	++	-	-	-	-	++
<b>Untergattung Rheocamptus</b>										
<i>Bryocamptus (Rheocamptus) pygmaeus pygmaeus</i>	-	-	-	-	5	-	-	-	-	5
<i>Bryocamptus (Rheocamptus) typhlops</i>	-	-	-	-	++	-	-	-	-	++
<i>Bryocamptus (Rheocamptus) weberi</i>	-	-	-	-	++	-	-	-	-	++
<i>Bryocamptus (Rheocamptus) zschokkei tatrensis</i>	-	-	-	-	++	-	-	-	-	++
<i>Bryocamptus (Rheocamptus) zschokkei zschokkei</i>	-	-	-	-	++	-	-	-	-	++
<b>Canthocamptus</b>										
<b>Untergattung Canthocamptus</b>										

	SHR	GRA	AFIL	PFIL	DET	MIN	XYL	PRE	PAR	OTH
<i>Canthocamptus</i> ( <i>Canthocamptus</i> ) <i>microstaphylinus</i>	-	-	-	-	5	-	-	-	-	5
<i>Canthocamptus</i> ( <i>Canthocamptus</i> ) <i>staphylinus</i>	-	-	-	-	5	-	-	-	-	5
<b>Elaphoidella</b>										
<i>Elaphoidella bidens</i>	-	-	-	-	++	-	-	-	-	++
<i>Elaphoidella elaphoides</i>	-	-	-	-	++	-	-	-	-	++
<i>Elaphoidella gracilis gracilis</i>	-	-	-	-	5	-	-	-	-	5
<i>Elaphoidella plesai</i>	-	-	-	-	++	-	-	-	-	++
<i>Elaphoidella proserpina</i>	-	-	-	-	++	-	-	-	-	++
<b>Epactophanes</b>										
<i>Epactophanes richardi</i>	-	-	-	-	++	-	-	-	-	++
<b>Fontinalicaris</b>										
<i>Fontinalicaris fontinalis</i> <i>fontinalis</i>	-	-	-	-	++	-	-	-	-	++
<b>Halectinosoma</b>										
<i>Halectinosoma abrau</i>	-	-	-	-	++	-	-	-	-	++
<b>Horstkurtcaris</b>										
<i>Horstkurtcaris nolli nolli</i>	-	-	-	-	++	-	-	-	-	++
<b>Hypocamptus</b>										
<i>Hypocamptus brehmi</i>	-	-	-	-	++	-	-	-	-	++
<b>Maraenobiotus</b>										
<i>Maraenobiotus brucei</i> <i>carpathicus</i>	-	-	-	-	++	-	-	-	-	++
<i>Maraenobiotus insignipes</i> <i>alpinus</i>	-	-	-	-	++	-	-	-	-	++
<i>Maraenobiotus vej dovskyi</i> <i>truncatus</i>	-	-	-	-	++	-	-	-	-	++
<i>Maraenobiotus vej dovskyi</i> <i>vej dovskyi</i>	-	-	-	-	++	-	-	-	-	++
<i>Maraenobiotus vej dovskyi</i> <i>zschokkei</i>	-	-	-	-	++	-	-	-	-	++
<b>Minutacaris</b>										
<i>Minutacaris austriaca</i>	-	-	-	-	++	-	-	-	-	++
<b>Moraria</b>										
<b>Untergattung Moraria</b>										
<i>Moraria (Moraria) brevipes</i>	-	-	-	-	5	-	-	-	-	5
<i>Moraria (Moraria) monticola</i>	-	-	-	-	++	-	-	-	-	++
<i>Moraria (Moraria) poppei</i>	-	-	-	-	++	-	-	-	-	++
<i>Moraria (Moraria) radovnae</i>	-	-	-	-	++	-	-	-	-	++
<i>Moraria (Moraria) varica</i>	-	-	-	-	++	-	-	-	-	++
<b>Nitocra</b>										
<i>Nitocra divaricata divaricata</i>	-	-	-	-	-	-	-	-	10	-
<i>Nitocra hibernica hibernica</i>	-	-	-	-	++	-	-	-	-	++
<b>Nitocrella</b>										
<i>Nitocrella hirta hirta</i>	-	-	-	-	++	-	-	-	-	++
<i>Nitocrella hofmilleri</i>	-	-	-	-	++	-	-	-	-	++

	SHR	GRA	AFIL	PFIL	DET	MIN	XYL	PRE	PAR	OTH
<i>Nitocrella tirolensis</i>	-	-	-	-	++	-	-	-	-	++
<b>Parastenocaris</b>										
<i>Parastenocaris brevipes</i>	-	-	-	-	++	-	-	-	-	-
<i>Parastenocaris germanica</i>	-	-	-	-	++	-	-	-	-	-
<b>Pesceus</b>										
<i>Pesceus schmeili</i>	-	4	-	-	3	-	-	-	-	3
<b>Phyllognathopus</b>										
<i>Phyllognathopus viguieri</i>	-	-	-	-	++	-	-	-	-	++
<b>Pilocamptus</b>										
<i>Pilocamptus pilosus</i>	-	-	-	-	++	-	-	-	-	++
<b>Proserpinicaris</b>										
<i>Proserpinicaris phyllura</i>	-	-	-	-	++	-	-	-	-	++

\* Depending on the food supply, each population shows different nutritional patten.

\*\* The most species are particle eaters (detritus, algae, invertebrates); smaller food particles are actively filtered, larger ones are grabbed or grasped.

GRA: Benthic and epiphytic algae

OTH: Biofilm (bacteria, fungi, protozoons)