

Discovery of a new species of *Moraria* (Copepoda, Harpacticoida, Canthocamptidae) in groundwaters of Germany, originated from the interstitial of the Danube catchment area

Santiago Gaviria: Department of Limnology and Bio-Oceanography, University of Vienna & Technisches Büro für Biologie, Vienna, Austria, e-mail: santiago.gaviria@gmx.at

Danielle Defaye: Département Milieux et Peuplements aquatiques, Muséum national d'Histoire Naturelle UMR 7208, CP 53, 61 rue de Buffon, Paris, France. e-mail: ddefaye@mnhn.fr

The genus *Moraria* is represented by 69 taxa and mainly distributed in freshwaters of the Holarctic region. Species and subspecies of *Moraria* are epibenthic, semiterrestrial or dwelling in springs, caves or interstitial habitats. During a biomonitoring program of groundwaters of Germany, several species of harpacticoid copepods, belonging to the genera *Bryocamptus*, *Moraria* and *Epactophanes richardi* were collected. Within the 3 found species of *Moraria*, one could not be assigned to any known species of the genus and was considered as new. *Moraria glitzae* n. sp. was collected at interstitial waters of the Salzach River at the city of Burghausen in Bavaria.

Moraria glitzae n. sp. can be differentiated by a combination of morphological traits related to the shape of anal operculum, the chaetotaxy of leg 4 and the ornamentation of the urosome in both sexes. Males of *M. glitzae* present a typical number of armaments of the endopodites of legs 2 to 4, some of them with special morphology. Females can be differentiated by the number of segments of the antennula,

the number of setae of the exopodite of antenna and the mandibular palp, chaetotaxy of leg 4, and size and chaetotaxy of leg 5. The relationship of the new species to the closer species *M. catalana*, *M. jana*, *M. stankovitchi* and *M. varica* was discussed. Morphological differences to other species inhabiting groundwaters and epigeic habitats of the region, viz. *M. alpina*, *M. brevipes*, *M. fontinalis*, *M. mrazeki mrazeki*, *M. mrazeki macedonica*, *M. pectinata*, *M. poppei* and *M. radovnae* were presented.



The description of the new species and a key for identification of the 20 species of *Moraria*, found in the western Palearctic region, was supplied at the published article:

Gaviria, S. & D. Defaye (2017). A new species of *Moraria* (Copepoda, Harpacticoida, Canthocamptidae) from groundwaters of Germany, including a key for the identification of the species of the western Palearctic Region. *Crustaceana* 90 (13): 1537–1561.

The Austrian National Committee ÖN of the IAD supported the presentation of these results at the 3rd International Conference on Copepods, held at L.A., California, USA in 2017.

Next IAD Conference

From July, 2–6 2018, the 42nd IAD conference will be organized in Smolenice, Slovakia

With the conference topic “Danube - a lifeline governed by multiple uses, pressures and a multitude of ecosystem services” the organizers put an emphasis on the intensified human impacts and the decreasing trends in goods and ecosystem services. Conference contributions will highlight ways to reverse or at least hold this adverse ecological and societal development and to improve sustainable development. Apart from scientific approaches and projects, the presentations will address the importance of international cooperation in research, monitoring and assessment as well as in management.

The conference offers key note lectures and sessions on topics such as ecosystem services and biodiversity, ecological status assessment, climate warming effects, perspectives for Danube sturgeons or the status of alien invasive species. Workshops related to the conference topic as well as a poster session will complete the scientific programme.

On Friday, 6th July, an excursion will be offered to conference participants.

The 2018 conference of IAD will take place in the Congress Centre of the Slovak Academy of Sciences (SAS) situated in the well-known Smolenice Castle (www.kcsmolenice.sav.sk), the landmark of the Slovak town Smolenice. It is organized by the Institute of Geography of the Slovak Academy of Sciences, the IAD General Secretariat and the Slovak Limnological Society under the Patronage of the Vice President of Slovak Academy of Sciences, Dr. Pavol Siman.

For further details – including registration – please have a look at the conference webpage at <http://conferences.ulbsibiu.ro/conf.iad/2018/index.php>.