AMPHIPOD NEWSLETTER 42

Dear Amphipodologists,

Amphipod newsletter this year is “short, but sweet”: - the bibliography includes 479 references in addition to the monograph from Trapani (119 extra references), and has 141 new species,12 new genera and subgenera as well as 2 new subfamilies. What a tremendous contribution from the community!

This month we are all very sorry to have learned about the disastrous fire at the national museum in Rio de Janeiro, and we send our thoughts to our colleagues there. We hope to be able to give more information on the amphipod losses in the next newsletter, not least do we hope the losses are smaller than feared.

As we remember last years meeting in Trapani, we look forward to meeting again in Dijon 2019 (pages 4, 6 and 64) Hopefully, we will have even more new faces to add to our growing community. Look for the next AN, hopefully in time for ICA XVIII.

Statistics from this Newsletter

new subfamilies: 2

new genera: 8

new subgenera: 4

new species: 141

Best wishes from your AN Editors,

Wim, Adam, Miranda and Anne Helene

How do you get in touch with the Amphipod Newsletter?

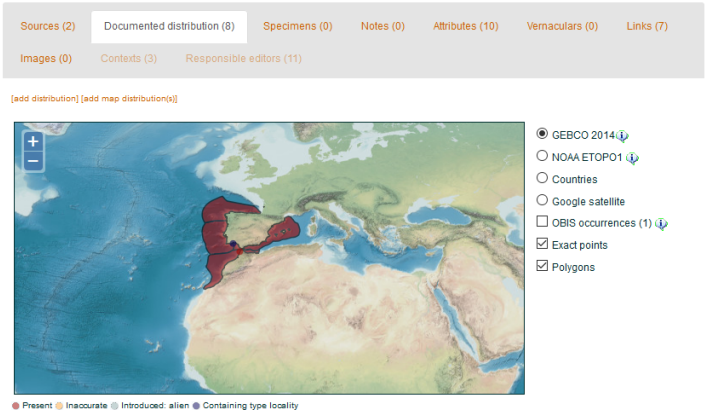
Email editors: Wim Vader – (wim.vader(at)uit.no); Adam Baldinger – (abaldinger(at)oeb.harvard.edu); Miranda Lowe -(m.lowe(at)nhm.ac.uk) or Anne Helene Tandberg – (pansdamen(at)gmail.com)

Report from Talitrid Workshop

A WoRMS thematic editor's workshop ("Talitraits") was held back-to-back with the VIII International Sandy Beaches Symposium, in May 2018: ecologists and taxonomists met to define a set of traits and modalities designing talitrids and the environment they inhabit.

Participants at the workshop and Talitrida editors in WoRMS

Functional traits involve morphology, behaviour and ecology of the different species (sometimes of different populations!), and can in fact separate ecological categories of talitrids, depicting patterns at a global scale, highlighting gaps and finally identifying the potential for new research. Ideally, we targeted a dataset that can be browsed by queries based on functional traits.



Example distribution of *Africorchestia spinifera,* screenshot from WoRMS

At the workshop, an introduction to the morpho-functional characteristics of talitrids and of their biogeography was given by Jim Lowry. This was used as background for discussions, prioritization and planning of actions during the workshop. The group of thematic editors agreed on giving priority to coastal talitrids -using the Economic Exclusive Zone of different Countries as reference when distribution data were found missing.

Out of the huge amount of information available on talitrids, we extracted priorities. This was done in a brainstorming session which involved all participants and their different expertise. From this a set of traits, available in the literature (and after participants' experience), was listed, along with modalities within each trait. From the list, traits were prioritized on the basis of (in decreasing order of relevance):

– availability in the literature of information related to the trait for most of the species considered

– ecological relevance of the trait

– link of the trait to other WoRMS datasets and working groups (e.g. parasites, AMBI indicators, ...)

We just finished filling in the qualitative information about body size of each species, and linked it to the available literature. This was the first step of a very long path. You can see more here: http://www.marinespecies.org/amphipoda/talitraits.php
If you are interested in joining, please contact Lucia Fanini [lucia(at)hcmr.gr]

A typical beach sampling locality

Talitrid group enjoying the combination of good food and amphipod talk at the taverna

The 17th International Colloquium on Amphipoda

More than 120 participants, coming from 33 different countries, met in Trapani (Italy) to attend the 17th International Colloquium on Amphipoda, organized by the University of Palermo.

The 17th ICA took place in Trapani, from 4 to 7 September 2017, in a building in front of the sea!

The Scientific Committee (Sabrina Lo Brutto, Elvira De Matthaeis, Felicita Scapini, Alberto Ugolini, Maria Beatrice Scipione, Murat Özbek, Michał Grabowski, Oliver Coleman, José Manuel Guerra García, Jan Beermann, Filipe Costa, Ed Hendrycks, Cristiana Serejo, Anne Helene Tandberg, Anne-Nina Lörz) worked hard to review and accept the contributions in time. Sixty-two oral talks and fifty-eight posters ranged from a wide spectrum of topics and were published in a monograph of Biodiversity Journal. The contributions are open access at link: http://www.biodiversityjournal.com/pdf/8(2)_391-688.pdf.

The local organizers, especially Davide Iaciofano and Eugenia Schimmenti, worked hard too, and did the best to limit the costs for participants, of which 41% were students (MS, PhD or Post-Doc).

The country which the greatest number of participants came from was clearly Italy with 24 participants, followed by Poland, Tunisia and Germany. The Colloquium gave also a particular attention to needs of young students and offered travel grants, thanks to a Portugal fund managed by Filipe Costa; the grants were assigned under the supervising of Jan Beermann.

The International Colloquia on Amphipoda are commonly a meeting point between various amphipod specialists with a very high scientific impact on community and an occasion of transfer information and knowledge.

From new classifications, to alien species, from marine abyssal to freshwater amphipods, from DNA barcode analyses to the benefit of the use of amphipod in aquaculture, a great variety of results, ideas, perspectives!

Local organizers focused on their efforts in the success of the 17th ICA, and wish again to deeply thank all the participants for being so numerous and enthusiastic.

And pass the baton to the French team!

Sabrina Lo Brutto

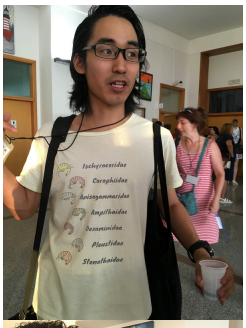
The novice view on the ICA

Since we all missed the previous amphipoda meetings, we were all eager to attend the colloquium and learn more about current amphipodology and latest results on all the various topics, ranging from hard-core taxonomy to macroecology of amphipod groups or ecotoxicological studies. The meeting program already looked very promising. However, to us as rookies, "17th International Colloquium on Amphipoda" sounded rather old-fashioned. Hence, we were expecting to attend an interesting and focused conference, with an emphasis on the scientific part. Of course, we were also hoping to meet nice people at the colloquium, and eventually to establish new collaborations. Nevertheless, for sure we were not expecting what we actually experienced in Trapani.

Amphipod Colloquium Rookies at the beach, Trapani 2017

Already at the first evening, waiting to complete the registration process while enjoying a welcome drink, we realized that this meeting might be different from other scientific conferences we attended previously. It seemed that everyone knew each other and we were immediately welcomed. It rarely felt easier to start a conversation and people were truly interested in our work and background. We were not perceived the outsiders we basically were, and we never felt as such. And alike it continued over the coming few days. In between the presentations, the coffee breaks and lunchtime were used to learn about the personal and scientific background of the participants. No one seemed to feel the urge to hide somewhere and to check his or her emails constantly.

Soon after the last talks in the evenings, smaller groups formed and dinner could be enjoyed while either continuing to discuss some taxonomic issue or to learn about the best beer in a country never visited beforehand. For us as




young researchers it was also great to learn from outstanding senior scientists how they pursued in their career and to realize how approachable they are. We still profit from the connections that were established, both to researchers at the same career stage and to senior scientists, always open to help.

Summarized, it came to us as a huge surprise that we actually attended what we would rather consider a family reunion. In fact, a family reunion with very interesting, diverse and outstanding scientific talks and posters presented during the day and lots of fun in the evenings. It was very nice to learn, that there are so many friendly and helpful people studying amphipods on whom we could rely as scientists and as friends. We all immediately felt warmly welcomed and as being part of the family now. Compared to other scientific meetings this is really an outstanding feature and it could be definitely attributed to the amphipodologist community. It is the first meeting we really feel the urge to come back, not just because of the communicated science, but also to meet the amphipod family again. We are definitely looking forward to the meeting in Dijon.

Roman Alther





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Guler, Y., S. Short, A. Green Texabe, P. Kille & A. T. Ford 2018. Population screening and transmission experiments indicate paramyxid-microsporidian co-infection in *Echinogammarus marinus* represents a non-hyperparasitic relationship between specific parasitic strains. ---- *Scientific Reports 8*: 4691.

Gurkov, A., E. Borvinskaya, E. Shehapova & M. Timofeyev 2018. Restraining small decapods and amphipods for *in vivo* laboratory studies. ---- *Crustaceana 91*, 517-525.

Gusev, A. A., D. O. Guseva & S. A. Sudnik 2017. New record of the Ponto-Caspian gammarid *Dikerogammarus villosus* (Sowinsky, 1894) in the southeastern part of the Baltic Sea (Kaliningrad oblast, Russia). --- *Russian Journal of Biological Invasions 8,* 218-225.

Ha, G. & S. L. Williams 2018. Eelgrass community dominated by native omnivores in Bodega Bay, California USA. ---- *Bulletin of Marine Science*, in press. https://doi.org/10.5343/bms.2017.1091 (*Caprella californica* is one of three dominating species)

Hale, S. S., H. W. Buffum & M. M. Hughes 2018. Six decades of change in pollution and benthic invertebrate biodiversity in a southern New England estuary. ---- *Marine Pollution Bulletin 133*: 77-87. (*Ampelisca abdita* one of the statistically contributing species)

Hamdy, R., J. Langeneck, M. M. Atta, M. M. Dorgham, H. H. El-Rashidy & L. Musco 2017. Diversity and ecology of crustaceans from shallow rocky habitats along the Mediterranean coast of Egypt. ---- *Marine Biodiversity*, in press. DOI 10.1007/s12526-017-0787-z

Hancock, Z. 2018. A walk on the beach. Haustoriid amphipods as indicators of beach disturbance. ---- *Applied Biodiversity Science, Perspective Series* no.7: 13-20. (From Galveston, Texas.)

Hancock, Z. B. & M. K. Wicksten 2018. Two new species of sand-burrowing amphipods pf the genus *Haustorius* Müller, 1775 (Amphipoda: Haustoriidae) from the northwestern Gulf of Mexico. ---- *Zootaxa 4459*, 101-127. (Deals with *H. jayneae, H. mexicanus, H. galvezi* n. sp. (San Luis Pass, Texas), and *H. allardi* n. sp. (Grand Isle, Louisiana). A key to all Haustoriidae of the Gulf of Mexico is provided.)

Harlioglu, M. M. & A. Farhadi 2018. Importance of *Gammarus* in aquaculture. ---- *Aquaculture International* , in press

Harper, K. E. 2018. *Cryptic lineages and hybridization in a cosmopolitan marine* invertebrate. ---- University of Charleston, SC, USA, Electronic Theses 123456789/2990 (http://hdl.handle.net/123456789/3518) (*Ampithoe valida*)

Hasenbein, S., H. Poynton & R.E. Connon 2018. Contaminant exposure in a changing climate: how multiple stressors can multiply exposure effect in the amphipod *Hyalella azteca*. ---- *Ecotoxicology*, in press.

Havermans, C., M. A. Seefeldt & C. Held 2018. A biodiversity survey of scavenging amphipods in a proposed marine protected area: the Filchner area in the Weddell Sea, Antarctica. ----*Polar Biology*, in press. https://doi.org/10.1007/s00300-018-2292-7 (29 morphospecies of Lysianassoidea)

Havermans, C. & V. Smetacek 2018. Bottom-up and top-down triggers of diversification: A new look at the evolutionary ecology of scavenging amphipods in the deep sea. ---- *Progress in Oceanography 164*: 37-51. https://doi.org/10.1016/j.pocean.2018.04.008

Heim, J. R., D. P. Weston, K. Major, H. Poynton, K. E. Huff Hartz & M. J. Lydy 2018. Are there fitness costs of adaptive pyrethroid resistance in the amphipod, *Hyalella azteca*? ---- *Environmental Pollution 235*, 39-46. https://doi.org/10.1016/j.envpol.2017.12.043 (Yes)

Heldt, K. A., S. D. Connell & P. Munguia 2018. Increasing use of human-dominated habitats as CO2 emissions warm and acidify oceans. ---- *Estuaries and Coasts,* in press (*Cymadusa filosa*)

Heo, J.-H. & Y.-H. Kim 2017. A new species and new record of the genus *Sinocorophium* (Crustacea, Amphipoda, Corophiidae) from Korean Waters. ---- *Zootaxa 4312(1)*: 155-164. https://doi.org/10.11646/zootaxa.4312.1.7 (*Sinocorophium jindoense* sp. nov. from Korean waters, with a key to the species in *Sinocorophium*)

Heo, J.-H. & Y.-H. Kim 2017. A new species of the genus *Eocorophium* (Amphipoda, Corophiidae) from Korea. ---- *Crustaceana 90,* 1405-1414 (*E. longiconum* n. sp. from Geomundo Island., with a key to the species of *Eocorophium*.)

Heo, J.-H. & Y.-H. Kim 2018. A new record of the genus *Anonyx* (Crustacea: Amphipoda: Uristidae) from Korean Waters. ---- *Animal Systematics, Evolution and Diversity 34(2)*: 119-125. https://doi.org/10.5635/ASES.2018.34.2.009 (*Anonyx schefferi)*

Herbert, R. J. H., L. G. Broderick, K. Ross, C. Moody, T. Cruz, L. Clake & R. A. Stillman 2018. Artificial coastal lagoons at solar salt-working sites: A network of habitats for specialised, protected and alien biodiversity. ---- *Estuarine, Coastal and Shelf Science 203*: 1-16. (*Gammarus insensibilis* and *Monocorophium insidiosum*)

Hesselschwerdt, J. & K. M. Wantzen 2018. Global warming may lower thermal barriers against invasive species in freshwater ecosystems---A study from Lake Constance. ---- *Science of the Total Environment 645*, 44-50.

Higbee, C. S. 2017. *Can amphipods be used to monitor mining-impacted lakes?* ---- MSc-thesis in Biology, Eastern Washington University. http://dc.ewu.edu/theses/461/

Hiki, K., N. Nakajima, H. Watanabe, F. Nakajima & T. Tobino 2018. *De novo* transcriptome sequencing of an estuarine amphipod *Grandidierella japonica* exposed to zinc. ---- *Marine Genomics 38,* 11-14. https://doi.org/10.1016/j.margen.2017.11.011

Hodgson, D. J., A. L. Bréchon & R .C. Thompson 2018. Ingestion and fragmentation of plastic carrier bags by the amphipod *Orchestia gammarellus*: Effects of plastic type and fouling load. ---- *Marine Pollution Bulletin 127*: 154-159. https://doi.org/10.1016/j.marpolbul.2017.11.057 (*O. gammarellus* shreds plastic bags with the best of them)

Hohenadler, M. A. A., M. Nachev, F. Thielen, H. Tasaschewski, D. Grabner & B. Sures 2018. *Pomphorhynchus laevis*: An invasive species in the river Rhine? ---- *Biological Invasions 20*, 207-217. (May have outcompeted *P. tereticollis* from the mainstream of the river)

Hop, H., B. A. Bluhm, I. A. Melnikov, M. Poulin, M. Vihtakari, R. E. Collins, R. Gradinger, T. Juul-Pedersen & C. von Quillfeldt 2018. Sea ice biota: Excerpts from the state of the Arctic marine biodiversity report by the Sea Ice Biota Expert Network/ CBMP. ---- *PeerJ Preprints* 26822 (not seen)

Horton, T. 2018. *Wecomedon* Jarrett & Bousfield, 1982, a replacement name for the amphipod genus *Psammonyx* Bousfield, 1973 (Crustacea, Amphipoda, Tryphosidae) , preoccupied by *Psammonyx* Döderlein, 1892 (Foraminifera, Astrorhizidae, Ammovolummidae). ---- *Zookeys 250,* 45-46.

Hou, Z. & S. Li 2018. Four new *Gammarus* species from Tibetan Plateau with a key to Tibetan freshwater gammarids (Crustacea; Amphipoda, Gammaridae). ---- *ZooKeys 747,* 1-40 (Deals with *Gammarus altus* n. sp. (Maniganngo Town, Dege County), *G. kangdingensis* n. sp. (Redaohe, Kangding prov.), *G. gonggaensis* n. sp. (Hepinggou, Baoxing Co.) and *G. limosus* n. sp. (Baxoi Co.).)

Hou, Z. & S. Zhao 2017. A new terrestrial talitrid genus, *Myanmarorchestia*, with two new species from Myanmar (Crustacea, Amphipoda, Talitridae). ---- *ZooKeys 705*: 15-39. DOI:https://doi.org/10.3897/zookeys.705.15045 (Two new species, *M. peterjaegeri* and *M. seabri*, from mountain forest floor litter)

Hou, Z., S. Zhao & S. Li 2018. Seven new freshwater species of *Gammarus* from southern China (Crustacea, Amphipoda, Gammaridae). ---- *ZooKeys 749*, 1-79. (NB. All new species are authored by Hou & Li. Deals with *G. vallecula* n. sp. (Hanzhong City, Shaanxi Prov.), *G. qinling* n. sp. (Hanzhong City, Shaanzi prov.), *G. zhigangi* n. sp. (Hanzhong City, Shaanxi prov.), *G. jidutanxian* n. sp. (Ankang City, Shaanxi prov.), *G. longdong* n. sp.(Mohan Town, Yunnan prov.), *G. mosuo* n. sp. (Xichang City, Sichuan prov.), and *G. caecigenus* n. sp. (Yibin City, Sichuan prov.). A key to these 7 species is provided.)

Hughes, L. E. & D. Lindsay 2017. *Pseudocallisoma coecum* (Holmes, 1908) (Amphipoda, Scopelocheiridae) and *Lanceola clausi clausi* Bovallius, 1885 (Amphipoda, Lanceolidae) associated with *Poralia rufescens* Vanhöffen, 1902 (Scyphozoa, Ulmaridae). ---- *Crustaceana 90* (11-12): 1303-1318.

Hughes, L. E. & J. K. Lowry 2017. *Hermesorchestia alastairi* gen. et sp. nov. from Australia (Talitridae: Senticaudata: Amphipoda: Crustacea). ---- *Zootaxa 4311 (4)*: 491-506. https://doi.org/10.11646/zootaxa.4311.4.3 (*Hermesorchestia alastairi* gen. et sp. nov., a burrowing sand-hopper from Tasmanian beaches.)

Hughes, L. E. & I. Takeuchi 2016. Two new species of *Quadrisegmentum* (Phtisicidae: Amphipoda: Crustacea) from the central Indo-Pacific, with notes on the type species *Q. triangulum* Hirayama, 1988. ---- *Records of the Australian Museum 68,* 231-244. (Earlier overlooked. Deals with *Q. atauro* n. sp. (Atauro Island, Timor Leste), *Q. yirrgay* n. sp. (Ashmore Reef, NW W. Austr.) and *Q. triangulum.* A key to all species is provided.)

Hultgren, K. M., N. W. Jiffery, A. Moran & T. R. Gregory 2018. Latitudinal variation in genome size in crustaceans. ---- *Biological Journal of the Linnean Society 123*, 348-359 https://doi.org/10.1093/biolinnean/blx153

Hupalo, K. & M. Grabowski 2018. A first insight into the transatlantic population genetic structure of the beach flea, *Platorchestia platensis* (Krøyer, 1845). ---- *Bioinvasion Records 7*, 165-176. (Quite homogeneous between Europe and N. America)

Hupalo, K., T. Mamos, W. Wrzesinska & M. Grabowski 2018. First endemic freshwater *Gammarus* from Crete and its evolutionary history—an integrative taxonomy approach. ---- *Peer Journal* 6ce4457. (*Gammarus plaitisi* n. sp. (Zagros village, Crete)).

Hyde, J., S. J. B. Cooper, W. F. Humphreys, A. D. Austin & P. Munguia 2017. Diversity patterns of subterranean invertebrate fauna in calcretes of the Vilgarn region, Western Australia. ---- *Marine & Freshwater Research 67,* 114-121.

Iltis, C., T. Spataro, R. Wattier & V. Médoc 2018. Parasitism may alter functional response comparisons: a case study on the killer shrimp *Dikerogammarus villosus* and two non-invasive gammarids. ---- *Biological Invasions 20*, 619-632 (*Gammarus pulex* and *Echinogammarus berilloni*)

Ironside, J. E. & T. J. Wilkinson 2018. Accumulation and exchange of parasites during adaptive radiation in an ancient lake. ---- *International Journal for Parasitology 48,* 297-307. (Microsporidia in Lake Baikal amphipods)

Iwasa-Arai, T., V. L. Carvalho & C. S. Serejo 2017. Updates on Cyamidae (Crustacea: Amphipoda): redescriptions of *Cyamus monodontis* Lütken, 1870 and *Cyamus nodosus* Lütken, 1861, a new species of *Isocyamus*, and new host records from *Syncyamus ilheusensis* Haney, De Almeida and Reis, 2004. ---- *Journal of Natural History 51*, 2225-2245. (*Isocyamus indopacetus* Iwasa-Arai & Serejo n. sp. from Baie de la Somme, New Caledonia from *Indopacetus pacificus*.. A key to *Isocyamus* spp is provided. *Syncyamus ilheusensis* was found on two new hosts, *Peponocephala electra* and *Stenella clymene.)*

Iwasa-Arai, T. & C. S. Serejo 2018. Phylogenetic analysis of the family Cyamidae (Crustacea: Amphipoda): a review based on morphological characters. ---- *Zoological Journal of the Linnean Society*, in press. https://doi.org/10.1093/zoolinnean/zlx101 (Isocyaminae subfam. nov , Cyaminae subfam. nov., *Balaenocyamus* gen. nov. (*Cyamus balaenopterae* KH Barnard 1931 moved to *Balaenocyamus*).)

Iwasa-Arai, T., C. S. Serejo, S. Siciliano, P. H. Ott, A. S. Freire, S. Elwen, E. A. Crespo, A. C. Colosio, V, L. Carvalho & G. T. Rodriguez-Rey 2018. The host-specific whale louse (*Cyamus boopis*) as a potential tool for interpreting humpback whale (*Megaptera novaeangliae*) migratory routes. ---- *Journal of Experimental Marine Biology and Ecology 505*, 45-51.

Jacobucci, G. B., E. A. Vieira & F. P. P. Leite 2018. Influence of a narrow depth gradient on the spatial structure of *Sargassum* peracarid assemblages in Southeastern Brazil. ---- *Marine Biodiversity*, in press. https://doi.org/10.1007/s12526-018-0885-6

Jaffé, R., X. Prous, A. Calux, M. Gastauer, G. Nicacio, R. Zampaulo, P. W. M. Souza-Filho, G. Oliveira, I. V. Brandi & J. O. Siqueira 2018. Conserving relics from ancient

underground worlds: assessing the influence of cave and landscape features on obligate iron cave dwellers from the Eastern Amazon. ---- *Peer Journal* 6, e4531

Jänes, H., K. Herkül & J. Kotta 2017. Environmental niche separation between native and non-native benthic invertebrate species: Case studies of the northern Baltic Sea. ---- *Marine Environmental Research 131,* 123-133..

Jazdzewska, A. M.. L. Corbari, A. Driskoll, I. Frutos, C. Havermans, E. Hendrycks, L. Hughes, A.-N. Lörz, B. Stransky, A. H. S. Tandberg, W. Vader & S. Brix 2018. A genetic fingerprint of Amphipoda from Icelandic waters—the baseline for further biodiversity and biogeography studies. ---- *ZooKeys 731*, 55-73.

Jazdzewska, A. M. & J. Sicinski 2017. Assemblages and habitat preferences of soft bottom Antarctic Amphipoda: Admiralty Bay case study. ---- *Polar Biology 4*0, 1845-1869.

Jelassi, R., D. Bohli-Abderrezek & K. Nasri-Ammar 2017. Effects of light pulses on the locomotor activity rhythm of *Orchestia montagui* (Amphipoda, Talitridae). ---- *Biological Rhythm Research 48*, 43-55

Jelassi, R., M. F. Bouslama, H. Khemaissia & K. Nasri-Ammar 2017. Biology and population dynamics of three sympatric talitrid species (Crustacea: Amphipoda) from the supralittoral zone of Bizerte Lagoon, northern Tunisia. ---- *Acta Zoologica Bulgarica 69*, 71-88. (*Orchestia montagui, O. mediterranea* and *O. gammarellus.)*

Jelassi, R., C. Ghemari, H. Khemaissia, M. Raimond, C. Souty-Grosset & K. Nasri-Ammar. 2017. *Heavy Metals Assessment and Their Effects in the Hepatopancreas in* Orchestia montagui *(Amphipoda, Talitridae).* Pp 355-357 in: Kallel A., Ksibi M., Ben Dhia H., Khélifi N. (eds). Recent Advances in Environmental Science from the Euro-Mediterranean and Surrounding Regions. EMCEI 2017. Advances in Science, Technology & Innovation (IEREK Interdisciplinary Series for Sustainable Development). Springer, Cham. https://doi.org/10.1007/978-3-319-70548-4_112

Jermacz, Ł., J. Andrzejczak, E. Arczyńska, J. Zielska & J. Kobak 2017. An enemy of your enemy is your friend: Impact of predators on aggregation behaviour of gammarids. ---- *Ethology 123 (9)*: 627-639.

Jermacz, Ł. & J. Kobak 2017. Keep calm and don´t stop growing: Non-consumptive effects of a sympatric predator on two invasive Ponto-Caspian gammarids *Dikerogammarus villosus* and *Pontogammarus robustoides*. ---- *PLoS One12(8)*: e0182481 https://doi.org/10.1371/journal.pone.0182481

Jermacz, T. & J. Kobak 2018. The Braveheart amphipod: A review of responses of invasive *Dikerogammarus villosus* to predation signals. ---- *PeerJ Preprints 26580v1*

Jimenez-Prada, P., I. Hachero-Cruzado, I. Giráldez, C. Fernándes-Diaz, C. Vilas, J. P. Cañavate & J. M. Guerra-García 2018. Crustacean amphipods from marsh ponds: a nutritious feed resource with potential application in Integrated Multi-Trophic Aquaculture. ---- *PeerJ 12* (6), e4194.

Johansen, P.-O. & W. Vader 2018. *Halicoides borealis*, a new species of Pardaliscidae (Crustacea: Amphipoda) from the northern North Sea. ---- *Journal of Natural History 52,* 1133-1145. https://doi.org/10.1080/00222933.2018.1453097 (Table 1 lists the differences with *H. anomalus* and *H. tertia*.)

Johns, T., D. C. Smith, S. Homann & J. A. England 2018. Time-series analysis of a native and a non-native amphipod shrimp in two English rivers. ---- *BioInvasion Records 7,* 101-110. (*Gammarus pulex* and *Dikerogammarus haemobaphes*.)

Jones, A. G., S. F. Dubois, N. Desroy & J. Fournier 2017. Interplay between abiotic factors and species assemblages mediated by the ecosystem engineer *Sabellaria alveolata* (Annelida: Polychaeta). ---- *Estuarine, Coastal and Shelf Science 200*, 1-18 (A study from Mont St Michel Bay, Normandy.)

Joseph, Ph., S. Bijoy Nandan & P. R. Jayachendran 2018. New species of *Victoriopisa* Karaman & Barnard, 1979 (Crustacea: Amphipoda: Eriopisidae) from Vembanad backwaters, southwest coast of India. ---- *Zootaxa 4433*, 59-70. (Deals with *V. cusatensis* n. sp. (Valanthakad Island in Vembanad, Kochi, India). A key to all *Victoriopisa* spp is provided, as well as a table comparing all species.)

Jung, T. W., C. O. Coleman, J. H. Kim & S. M. Yoon 2018. First records of the uristid lysianassoids from Korean waters: redescription of *Anonyx abei* Takekawa & Ishimaru, 2001 and description of *Anonyx exilipes* sp. n. (Crustacea, Amphipoda, Uristidae). ---- *ZooKeys 733*: 99-117.

Jung, T. W., C. O. Coleman & S. M. Yoon 2017. *Aroui minutisetosus*, a new species of Scopelocheiridae from Korea (Crustacea, Amphipoda, Lysianassoidea). ---- *ZooKeys 706*, 17-29 (With a synoptic table showing the differences among all *Aroui* species).

Jung, T.W., C.O. Coleman & S.M. Yoon 2017. *Pseudorchomene boreoplebs*, a new lysianassid amphipod from Korean waters (Crustacea, Amphipoda, Lysianassoidea). ---- *Zoosystematics and Evolution 93(2)*: 343-352. (First *Pseudorchomene* from the Northern Hemisphere, *P. boreoplebs* described from Korean waters)

Jung, T.W., C.H. Yi, C.O. Coleman & S.M. Yoon 2017. Two new lysianassoid amphipods of the genus *Orchomenella* (Amphipoda, Lysianassoidea, Lysianassidae, Tryphosinae) from South Korea. ---- *Crustaceana 90 (13)*: 1641-1664. (*Orchomenella paucisetigera* sp. nov and *O. rugosa* sp. nov.)

Jurado-Rivera, J. A., G. Alvarez, J. A. Caro, C. Juan, J. Pons & D. Jaume 2017. Molecular systematics of *Haploginglymus*, a genus of subterranean amphipods endemic to the Iberian Peninsula (Amphipoda: Niphargidae). ---- *Contributions to Zoology 86*, 239-260. *(H. geos* Jaume & Alvarez n. sp. from Cazalla de la Sierra, Sevilla, S. Spain.)

Just, J. 2017. A fresh look at the higher classification of the Siphonoecetini Just, 1983 (Crustacea, Amphipoda, Ischyrocerinae) 12: with a key to all taxa. ---- *Zootaxa 4520*, 321-338. (The last word on the subject. Just divides the subfamily Ischyrocerinae into 4 tribes, of which the Ericthonini are new, and the spelling of Cerapodini is corrected. He further divides the Siphonoecetini into 3 subtribes, Siphonoecetina, Bubocorophiina and Caribboecetina. He also elevates the subgenera *Centraloecetes, Stebbingoecetes, Orientoecetes* and *Australolestes* to generic level and discusses a number or problems at species level. A key to the entire tribe is provided.)

Karaman, G. S. 2017. New data of poorly known species *Gammarus orientalis* (S. Karaman, 1934) (family Gammaridae) from Asia Minor (Contribution to the Knowledge of the Amphipoda 292). ---- *Ecologica Montenegrina 7*, 639-653.

Karaman, G. S. 2017. A new member of the genus *Niphargus* Schiödte, 1849 (Amphioda (sic!) Gammaridea, fam. Niphargidae) from Crete Island, Greece (Contribution to the Knowledge of the Amphipoda 293). ---- *Ecologica Montenegrina* 10. 1-10. (*Niphargus lakusici* n. sp. from Pyrgos, Crete.)

Karaman, G.S. 2017. New data on the genus *Niphargus* Schiödte, 1849 (Fam. Niphargidae) in Spain (Contribution to the Knowledge of the Amphipoda 294). ---- *Biologia Serbica 39(2)*: 25-42. (*Niphargus ciliatus cismontanus* Margalef, 1952 is considered a distinct species *Niphargus cismontanus* Margalef, 1952)

Karaman, G.S. 2017. New data of the subterranean species *Niphargus rhodi* S Karaman, 1950 (fam. Niphargidae) in Rhodos Island, Greece (Contribution to the knowledge of the Amphipoda 296). ---- *Poljoprivreda i Sumarstvo (Agriculture & Forestry) 63(2)*: 5-24.

Karaman, G.S. 2017. On the endemic subterranean amphipod *Niphargus versluysi* S. Karaman, 1950 (Fam. Niphargidae) in Greece (Contribution to the knowledge of Amphipoda 297). ---- *Biologia Serbica 39(2)*: 52-67.

Kaufmann, T. C., C. W. Martin & J. F. Valentine 2018. Hydrological alteration exacerbates the negative impacts of invasive Eurasian milfoil *Myriophyllum spicatum* by creating hypoxic conditions in a northern Gulf of Mexico estuary. ---- *Marine Ecology Progress Series 592*, 97-108.

Kebalka, M. & L. Steele 2018. Patterns of amphipod feeding and phenolic content in apical and middle portions of invasive *Myriophyllum spicatum* and native *Ceratophyllum demersum*. ---- *Academic Festival 133*, poster

Kenderov, L. A. 2017. An Invader along with an Invader. An Unusual Record of a Zebra Mussel *Dreissena polymorpha* (Pallas, 1771) (Bivalvia) Living Phoretically on a Killer Shrimp *Dikerogammarus villosus* (Sowinsky, 1894) (Amphipoda). ---- *Acta Zoologica Bulgarica, Suppl 9*, 287-291. (The mussel was attached to the amphipod)

Khalil, M. T. 2018. *Macrobenthos diversity of Egypt´s coastal wetlands*---- (chapter) In: The Handbook of Environmental Chemistry, Springer, Berlin, Heidelberg. https://doi.org/10.1007/698_2018_240 (Several amphipods listed in Table 1)

Kirksey, E. 2018. Queer love, gender bending bacteria, and life after the Anthropocene. ---- *Theory, Culture & Society*, in press (on *Wolbachia* biology)

Kjærstad, G., J. I. Koksvik & J. V. Arnekleiv 2018 (Record of the brackish water amphipod *Gammarus duebeni* (Crustacea, Amphipoda) from freshwater.) ---- *Fauna, Oslo 69* (2016), 114-118. (In Norwegian)

Klompmaker, A. A. & S. Finnegan 2018. Extreme rarity of competitive exclusion in modern and fossil marine benthic ecosystems. ---- *Geology 46*, 723-726, GSA Data Repository item 2018261

Knight, J. C., B. P. O'Malley & J. D. Stockwell 2018. Lake Champlain offshore benthic invertebrate community before and after zebra mussel invasion. ---- *Journal of Great Lakes Research 44*, 283-288.

Knott, K. E., A. Thoning, S. Heiskanen, B. Winding Hansen & G. T. Banta 2018. Seasonal variation in diversity of marine benthic invertebrates leads to a positive species-genetic diversity correlation. ---- *Marine Ecology Progress Series 592*, 129-140. (Study from Isefjord-Roskilde estuary in Denmark, some amphipods in samples, Fig 2)

Kobak, J., Ł. Jermacz, J. Marcińcznyk, E. Bartoszyńska, D. Rutkowska & K. Pawłowska 2017. Abiotic factors affecting habitat selection by two invasive gammarids *Dikerogammarus villosus* and *Pontogammarus robustoides*. ---- *Hydrobiologia 797*, 247-263.

Kobayashi, H., T. Nagahama, W. Arai, Y. Sasagawa, M. Umeda, T. Hayashi, I. Nikaido, H. Watanabe, K. Oguri, H. Kitazato, K. Fujioka, Y. Kido & H. Takami 2018. Polysaccharide hydrolase of the hadal zone amphipod *Hirondellea gigas*. ---- *Bioscience, Biotechnology & Biochemistry 62*, 1123-1133..

Koester, M., M. Schneider, C. Hellmann, J. Becker, C. Winkelmann & R. Gergs 2018. Is the invasive amphipod *Dikerogammarus villosus* the main factor structuring the benthic community across different types of water bodies in the River Rhine system? ----- *Limnologia 71*, 44-50. (No, rather a combination of abiotic factors)

Kohler, S. A., M. O. Parker & A. T. Ford 2018. Species-specific behaviours in amphipods highlight the need for understanding baseline behaviours in ecotoxicology. ----*Aquatic Toxicology*, in press *(Echinogammarus marinus* and *Gammarus pulex*)

Kohler, S. A., M. O. Parker & A. T. Ford 2018. Shape and size of the arenas affect amphipod behaviours: implications for ecotoxicology. ---- *Peer Journal 6:* e5271.

Krapp-Schickel, T. 2018. *Leucothoe vaderotti*, a new Atlantic *Leucothoe* (Crustacea, Amphipoda) belonging to the "*spinicarpa*-clade" (Crustacea, Amphipoda). ---- *ZooKeys 731*, 135-144 (*L. vaderotti* n. sp. from the Norwegian Channel in the North Sea. Thank you so much, Traudl; much appreciated! WV)

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Tamaki, A., T. Kagesawa, S. Takeuchi, H. Ohashi, S. Yang & S. Sassa 2018. Facultative commensalism of a free-burrowing urothoid amphipod with a deep burrow-dwelling callianassid shrimp in intertidal sand. ---- *Marine Biology 165*: 36. https://doi.org/10.1007/s00227-018-3296-0

Tandberg, A. H. S. & W. Vader 2018. On a new species of *Amphilochus* from deep and cold Atlantic water, with a note on the genus *Amphilochopsis* (Amphipoda, Gammaridea, Amphilochidae). ---- *ZooKeys 731*, 103-134 doi: 10.3897/zookeys.731.19899 (Deals with *A. anoculus* n. sp. (N. of Iceland, 2504m), *A. manudens* (probably a species complex) and *A. hamatus* (earlier in its own genus, *Amphilochopsis*, which is here synonymized with *Amphilochus*).)

Tandberg, A. H. S., W. Vader, B. R. Olsen & H. T. Rapp 2018. *Monoculodes bousfield*i sp. n. from the Arctic hydrothermal vent Loki's Castle. ---- *Marine Biodiversity 48(2)*, 927-937. https://doi.org/10.1007/s12526-018-0869-6 (A synoptic table compares all blind *Monoculodes s.l.*)

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Touaylia, S., A. Khazri, A. Mezni & M. Bejaoui 2018. Effect of permethrin (pyrethroid insecticide) on the biochemical response of the freshwater amphipod *Echinogammarus tacapensis* (Chevreux and Gauthier, 1924).---- *Marine and Freshwater Behaviour and Physiology 51*, 57-66.

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d'Udekem d' Acoz, C., I. Schön & H. Robert 2018. The genus *Charcotia* Chevreux, 1906 in the Southern Ocean, with the description of a new species (Crustacea, Amphipoda, Lysianassoidea). ---- *Belgian Journal of Zoology 148*, 31-82. (The genus *Charcotia*, earlier thought to be a homonym, is revived, while *Waldeckia* becomes a junior synonym. *C. amundseni* n. sp., with the Adelie Coast as type locality, is described and *C. obesa* is redescribed.)

d´Udekem d´Acoz, C. & M. L. Verheye 2017. *Epimeria* of the Southern Ocean with notes on their relatives (Crustacea, Amphipoda, Eusiroidea). ---- *European Journal of Taxonomy 359*: 1-553 https://dc.etsu.edu/etd/3297/ (This is a veritable tour-de force and shows how incomplete our present knowledge of even large and spectacular amphipods really is. Besides describing many new species in great detail and with beautiful photographs, the paper also contains an excellent and extensive discussion of the Epimeriidae and related families, as well as of Antarctic zoogeography and zoohistory.The many new subgenera and species of Epimeriidae described in this paper are not listed here, but they can be found in the taxonomic listings at the end of this bibliography. In addition, one new stilipedid, *Alexandrella chione* from Bransfield Strait, is also described here.)

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Vargas-Abundez, J., N. Simões & M. Mascvaro 2018. Feeding the lined seahorse *Hippocampus erectus* with frozen amphipods. ---- *Aquaculture 491,* 82-85 (*Elasmopus pectenicrus*)

Verheye, M. L., A.-N. Lörz. & C. d´Udekem d´Acoz 2018. *Epimeria cleo* sp. nov., a new crested amphipod from the Ross Sea, Antarctica, with notes on its phylogenetic affinities (Crustacea, Amphipoda, Eusiroidea, Epimeriidae). ---- *Zootaxa 4369 (2)*, 186-196. (*E. cleo* from western Ross Sea, in subgenus *Drakepimeria*)

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Weslawski, J. M. & L. Kotwicki 2018. Macro-plastic litter, a new vector for boreal species dispersal on Svalbard. ---- *Polish Polar Research 39*, 165-1

Wickham, S. 2017. *The ecology of sea wrack accumulations across space and time on islands along British Columbia's central coast.* ---- M. Sc Thesis, Univ. of Victoria (Not seen)

Wijnhoven, S., K. I. Zwiep & H. Hummel 2017. First description of epizoic ciliates (Sessilida Stein, 1933) on *Bathyporeia* Lindström, 1855 (Peracarida, Amphipoda) and infestation patterns in brackish and marine waters. ---- *Crustaceana 91*, 133-152. (A Dutch study. Sadly not seen)

Wildish, D. J. 2017. Evolutionary ecology of driftwood talitrids: a review. ---- *Zoosystematics and Evolution 93*, 353-361.

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Wilkinson, L.A.S. 2018. *Use of Non-linear Models on Saturation Kinetics to Determine Chronic Co, Se or Zn Toxicity for Either Exposure or Body Burden in* Hyatella azteca. ---- PhD Thesis, University of Waterloo, Ontario, Canada. (https://uwspace.uwaterloo.ca/bitstream/handle/10012/13060/Wilkinson_LesleyAnneSteeds.pdf?sequence=1)

Winfield, I., M. E. Hendrickx & M. Ortiz 2017*. Stephonyx californiensis* sp. nov. (Amphipoda: Lysianassoidea: Uristidae), a new bathyal scavenger species from the Central Gulf of California, Mexico, and comments on the bathymetric and geographic distribution of the *Stephonyx* species group. ---- *Journal of Natural History 51*, 2793-2807 https://doi.org/10.1080/00222933.2017.1384076 (*S. californiensis* n. sp., 24'16'N, 108*24'W, 1150m.)

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Yu, Y., D. Zhou, Z. Li & C. Zhu 2018. Advancement and challenges of microplastic pollution in the aquatic environment: a review. ---- *Water, Air and Soil Pollution 229,* 140

Zahida, F., H. Setyabudi & W. N. Jati 2017. *Gracillaria* associated amphipod at abalones* rearing tank, Lombok Marine Aquaculture Development Center, Sekotong, Indonesia. ---- *Biota 2,* 1-6 (4 spp, not yet identified.)

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Zheng, Y.-M. & Z. E. Hou 2017. *Myanmarorchestia victoria* sp. nov. (Crustacea, Amphipoda, Talitridae), a new species of landhopper from the high altitude forests in Myanmar. ---- *Zoological Research 38* (5), 1-11 (Collected in Chin State, Myanmar. With a key to the now three species in this genus)

Ziegler, A. F., C. R. Smith, K. F. Edwards & M. Vernet 2017. Glacial dropstones: islands enhancing seafloor species richness of benthic megafauna in West Antarctic Peninsula fjords. ---- *Marine Ecology Progress Series 583*: 1-14. (Eusirid amphipods among the faunal-group defining species.)

Zittel, M., D. Grabner, A. Wiecklik & B. Sures 2018. Cryptic species and their utilization of indigenous and non-indigenous hosts in the acanthocephalan *Polymorphus minutus sensu lato* (Polymorphidae). ---- *Parasitology*, in press. https://doi.org/10.1017/S0031182018000173

Zorina-Sakharova, 2017. *Niphargus valachicus* Dobreanu et Manolache (Amphipoda, Niphargidae) in the Kiliya Delta of the Danube River. ---- *Hydrobiological Journal 53*, 46-56. (Not seen)

Žutinić, P., I Petrić, S. Gottstein, M. G. Udovič, K. K. Borojević, J. Kamberović, A. Kolda, A. Pleković-Moraj & I. Ternjej 2018. Microbial mats as shelter microhabitat for amphipods in an intermittent karstic spring. ---- *Knowledge and Management of Aquatic Ecosystems 419*:7 https://doi.org/10.1051/kmae/201761 (*Synurella ambulans*)

MONOGRAPH-contents from Trapani-meeting

Abbattista, C., Camisa, F., Bellisario, B., Lattanzi, L. & R. Cimmaruta 2017. Amphipod assemblages from *Posidonia oceania* vary seasonally in Giannutri Island (Central Tyrrhenian Sea, Italy). *Biodiversity Journal 8(2)*: 601-602.

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New taxa

New sub-families

Cyaminae (subfam) Iwasa-Arai & Serejo 2018	Cyamidae
Isocyaminae (subfam) Iwasa-Arai & Serejo 2018	Cyamidae

New genera and subgenera

Balaenocyamus Iwasa-Arai & Serejo 2018		Cyaminae Cyamidae
Charcotia Chevreux, 1906 (revived) d'Udekem d'Acoz et al. 2018		Lysianassidae
subgen ***Drakepimeria*** d'Udekem d'Acoz & Verheye, 2017		Epimeriidae
Ensigeropus Perez-Schultheiss, 2017		Platyischnopidae
Hermesorchestia Hughes & Lowry, 2017		Talitridae
subgen ***Hoplepimeria*** d'Udekem d'Acoz & Verheye, 2017		Epimeriidae
subgen ***Laevepimeria*** d'Udekem d'Acoz & Verheye, 2017		Epimeriidae
Myanmarorchestia Hou, 2017		Talitridae
Orientomaera Ariyama, 2018		Maeridae
subgen ***Urepimeria*** d'Udekem d'Acoz & Verheye, 2017		Epimeriidae
Vinogradovopleustes Labay, 2018	Pleustidae	Pleusymtinae
Wecomedon Jarrett & Bousfield, 1982 (revived) Horton 2018		Tryphosidae

New species

acanthochelon d'Udekem d'Acoz & Verheye, 2017 (*Epimeria* (*Drakepimeria*))	Epimeriidae
adeliae d'Udekem d'Acoz & Verheye, 2017 (*Epimeria* (*Subepimeria*))	Epimeriidae
aequilatus Narahara-Nakano, Nakano & Tomikawa, 2017 (*Eurythenes*)	Eurytheneidae
akatsukai Tomikawa & Nakano 2018 (*Pseudocrangonyx*)	Pseudocrangonyctidae
alaicus Sidorov, Hou & Sket, 2018 (*Tadzocrangonyx*)	Gammaridae
alastairi Hughes & Lowry, 2017 (*Hermesorchestia*)	Talitridae
allardi Hancock & Wicksten, 2018 (*Haustorius*)	Haustoriidae
altus Hou & Li, 2018 (*Gammarus*)	Gammaridae
amoenitas d'Udekem d'Acoz & Verheye, 2017 (*Epimeria* (*Pseudepimeria*))	Epimeriidae
amundseni d'Udekem d'Acoz, Schön & Robert, 2018 (*Charcotia*)	Lysianassidae
anguloce d'Udekem d'Acoz & Verheye, 2017 (*Epimeria* (*Drakepimeria*))	Epimeriidae
anoculus Tandberg & Vader, 2018 (*Amphilochus*)	Amphilochidae
anodon d'Udekem d'Acoz & Verheye, 2017 (*Epimeria* (*Laevepimeria*))	Epimeriidae
atalanta d'Udekem d'Acoz & Verheye, 2017 (*Epimeria* (*Epimeriella*))	Epimeriidae
atauro Hughes & Takeuchi, 2016 (*Quadrisegmentum*)	Phtisicidae

bantenensis Arfianti & Wongkamhaeng, 2017 (*Victoriopisa*) Eriopisidae
barrera Ortiz, WInfield & Ardisson, 2017 (*Psammogammarus*) Eriopisidae
bellansantiniae Peart, 2018 (*Byblisoides*) Ampeliscidae
borealis Johansen & Vader, 2018 (*Halicoides*) Pardaliscidae
boreoplebs Jung, Coleman & Yoon, 2017 (*Pseudorchomene*) Tryphosidae
bousfieldi Tandberg, Vader, Olsen, Rapp 2018 (*Monoculodes*) Oedicerotidae
bunaken Lowry, Springthorpe & Azman, 2017 (*Talorchestia*) Talitridae
cachinalito Perez-Schultheiss, 2017 (*Ensigeropus*) Platyischnopidae
caeca Labay, 2017 (*Sextonia*) Liljeborgiidae
caecigenus Hou & Li, in Hou et al. 2018 (*Gammarus*) Gammaridae
californiensis Winfield, Hendrickx & Ortiz, 2017 (*Stephonyx*) Uristidae
callista d'Udekem d'Acoz & Verheye, 2017 (*Epimeria* (*Pseudepimeria*)) Epimeriidae
chione d'Udekem d'Acoz & Verheye, 2017 (*Alexandrella*) Stilipedidae
choshigawaensis Tomikawa, Hirashima, Hirai & Uchiyama, 2018 (Melita) Melitidae
cinderella d'Udekem d'Acoz & Verheye, 2017 (*Epimeria* (*Laevepimeria*)) Epimeriidae
cleo Verheye, Lörz & d'Udekem d'Acoz, 2018 (*Epimeria* (*Drakepimeria*)) Epimeriidae
coelocarteriensis Myers & George, 2017 (*Leucothoe*) Leucothoidae
colemani d'Udekem d'Acoz & Verheye, 2017 (*Epimeria* (*Drakepimeria*)) Epimeriidae
corbariae d'Udekem d'Acoz & Verheye, 2017 (*Epimeria* (*Drakepimeria*)) Epimeriidae
coscinoderma Myers & George, 2017 (*Leucothoe*) Leucothoidae
coyotense Ortiz, Capetillo & Winfield, 2018 (*Anamixis*) Leucothoidae
cusatensis Joseph, Bijoy Nandan & Jayachandran, 2018 (*Victoriopisa)* Eriopisidae
cyphorachis d'Udekem d'Acoz & Verheye, 2017 (*Epimeria* (*Hoplepimeria*)) Epimeriidae
cyrano d'Udekem d'Acoz & Verheye, 2017 (*Epimeria* (*Drakepimeria*)) Epimeriidae
daejeonensis Lee, Tomikawa, Nakano & Min, 2018 (*Pseudocrangonyx*) Pseudocrangonyctidae
dauvini Peart, 2018 *(Haploops)* Ampeliscidae
debroyeri d'Udekem d'Acoz & Verheye, 2017 (*Epimeria* (*Pseudepimeria*)) Epimeriidae
decipiens Ariyama, 2018 (*Orientamaera*) Maeridae
denarius Karaman, 2017 (*Niphargus*) Niphargidae
deryae Özbek, 2018 (*Gammarus*) Gammaridae
dianae Corbari & Sorbe, 2017 (*Dulichiopsis*) Dulichiidae
dili Lowry, Springthorpe & Azman, 2017 (*Talorchestia*) Talitridae
evensis Peart & Lörz, 2018 (*Pseudopleonexes*) Ampithoidae
exilipes Jung, Coleman, Kim & Yoon, 2018 (*Anonyx*) Uristidae
frankei Beermann & Raupach, in Beermann et al. 2018 (*Epimeria*) Epimeriidae
galvezi Hancock & Wicksten, 2018 (*Haustorius*) Haustoridae
gargantua d'Udekem d'Acoz & Verheye, 2017 (*Epimeria* (*Hoplepimeria*)) Epimeriidae
geos Jaume & Alvarez (in Jurado-Rivera et al. 2017) (*Haploginglymus*) Niphargidae
gevi Stokkan & Jaume, in Stokkan et al. 2018 (*Pseudoniphargus)* Pseudoniphargidae
gonggaensis Hou & Li, 2018 (*Gammarus*) Gammaridae
guerrai Tato & Moreira, 2017 (*Photis*) Photidae
havermansiana d'Udekem d'Acoz & Verheye, 2017 (*Epimeria* (*Drakepimeria*)) Epimeriidae
hosseiniei Esmaeli-Rineh, Sari, Fišer & Bargrizaneh, 2017 (*Niphargus*) Niphargidae
iceage Campean & Coleman, 2017 (*Sicafodia*) Sicafodiidae
ilamensis Esmaeli-Rineh, Sari, Fišer & Bargrizaneh, 2017 (*Niphargus*) Niphargidae
indopacetus Iwasa-Arai & Serejo (in Iwasa-Arai et al. 2017) (*Isocyamys*) Cyamidae
iota d'Udekem d'Acoz & Verheye, 2017 (*Epimeria* (*Subepimeria*)) Epimeriidae
ircinia Myers & George, 2017 (*Leucothoe*) Leucothoidae
irinae Marin & Sinelnikov, 2018 (*Stenothoe*) Stenothoidae
jaumei Ortiz & Winfield, 2017 (*Nuuanu*) Nuuanuidae
jidutanxian Hou & Li, in Hou et al. 2018 (*Gammarus*) Gammaridae
jindoense Heo & Kim, 2017 (*Sinocorophium*) Corophiidae
kaimmalkai Peart, 2018 (*Haploops*) Ampeliscidae
kangdingensis Hou & Li, 2018 (*Gammarus*) Gammaridae
kharieis d'Udekem d'Acoz & Verheye, 2017 (*Epimeria* (*Pseudepimeria*)) Epimeriidae

kohuroa Ball, Webber & Shepherd, 2017 (*Waematau*) Talitridae
komaii Tomikawa & Nakano, 2018 (*Pseudocrangonyx*) Pseudocrangonyctidae
kunensis Zettler & Myers, 2018 (*Ledoyerella*) Kamakidae
kurdistanensis Mamaghani-Shishvan, Esmaeili-Rineh & Fišer, 2017 (*Niphargus*) Niphargidae
lakusici Karaman, 2017 (*Niphargus*) Niphargidae
leukhoplites d'Udekem d'Acoz & Verheye, 2017 (*Epimeria* (*Drakepimeria*)) Epimeriidae
limosus Hou & Li, 2018 (*Gammarus*) Gammaridae
linseae d'Udekem d'Acoz & Verheye, 2017 (*Epimeria* (*Hoplepimeria*)) Epimeriidae
loerzae d'Udekem d'Acoz & Verheye, 2017 (*Epimeria* (*Drakepimeria*)) Epimeriidae
longdong Hou & Li, in Hou et al. 2018 (*Gammarus*) Gammaridae
longiconum Heo & Kim, 2017 (*Eocorophium*) Corophiidae
luchoffmanni Fišer, Alther, Zakšek, Borko, Fuchs & Altermatt, 2018 (*Niphargus*) Niphargidae
marinae Lörz, Jazdzewska & Brandt, 2017 (*Rhachotropis*) Eusiridae
maya Marron-Becerra, Hermoso-Dalazar & Solis-Weiss, 2018 (*Hyalella*) Hyalellidae
minutisetosus Jung, Coleman & Yoon, 2017 (*Aroui*) Scopelocheiridae
monicae Peart, 2018 (*Byblisoides*) Ampeliscidae
montana Rodrigues, Senna, Quadra & Bueno, 2017 (*Hyalella*) Hyalellidae
morenoi Stokkan & Jaume, in Stokkan et al., 2018 (*Pseudoniphargus)* Pseudoniphargidae
mosuo Hou & Li, in Hou et al. 2018 (*Gammarus*) Gammaridae
nhatrangensis Marin & Sinelnokov, 2018 (*Stenothoe*) Stenothoidae
nunomurai Nakano & Morino, in Nakano et al, 2018 (*Myanmarorchestia*) Talitridae
obliquua Ariyama, 2018 (*Orientomaera*) Maeridae
okinawensis Ariyama, 2018 (*Maeropsis*) Maeridae
pandora d'Udekem d'Acoz & Verheye, 2017 (*Epimeria* (*Drakepimeria*)) Epimeriidae
pangkorensis Tomikawa & Morino, 2018 (*Brevitalitrus*) Talitridae
parvioculatus Sidorov, Hou & Sket, 2018 (*Gammarus*) Gammaridae
paucisetigera Jung, Yi, Coleman & Yoon, 2017 (*Orchomenella*) Tryphosidae
periergos Myers, Plaiti & Rousou, 2018 (*Microdeutopus*) Aoridae
persicus Esmaeli-Rineh, Sari, Fišer & Bargrizaneh, 2017 (*Niphargus*) Niphargidae
peterjaegeri Hou, 2017 (*Myanmarorchestia*) Talitridae
plaitisi Hupalo, Mamos, Wrzesinski & Grabowski, 2018 (*Gammarus*) Gammaridae
plumosa Peart & Lörz, 2018 (*Exampithoe*) Ampithoidae
punctatum Labay, 2018 (*Vinogradovopleustes)* Pleustidae
pyrodrakon d'Udekem d'Acoz & Verheye, 2017 (*Epimeria* (*Drakepimeria*)) Epimeriidae
quasimodo d'Udekem d'Acoz & Verheye, 2017 (*Epimeria* (*Hoplepimeria*)) Epimeriidae
qinling Hou & Li, in Hou et al. 2018 (*Gammarus*) Gammaridae
rereke Ball, Webber & Shepherd, 2017 (*Waematau*) Talitridae
richardi Peart, 2018 (*Byblisoides*) Ampeliscidae
ringanohinohi Ball, Webber & Shepherd, 2017 (*Waematau*) Talitridae
robertiana d'Udekem d'Acoz & Verheye, 2017 (*Epimeria* (*Drakepimeria*)) Epimeriidae
rotundicoxa Ariyama, 2018 (*Orientomaera*) Maeridae
rubroantennata Ariyama & Taru, 2017 (*Grandidierella*) Aoridae
rugosa Jung, Yi, Coleman & Yoon, 2017 (*Orchomenella*) Tryphosidae
ryanadamsi Drumm, 2018 (*Cerapus)* Ischyroceridae
sanrikuensis Ariyama & Taru, 2017 (*Grandidierella*) Aoridae
sarii Esmaeili-Rineh, Mohammad-Niakan & Akmali, 2018 (*Niphargus*) Niphargidae
saskia Lörz & Jazdzewska, 2018 (*Rhachotropis*) Eusiridae
seabri Hou, 2017 (*Myanmarorchestia*) Talitridae
seideli Cannizzaro, Walters & Berg, 2017 (*Gammarus*) Gammaridae
seringat Lowry, Springthorpe & Azman, 2017 (*Talorchestia*) Talitridae
sipadan Lowry, Springthorpe & Azman, 2017 (*Talorchestia*) Talitridae
sivaprakasami Myers, Trivedi & Vachhrajani, in Myers et al. 2018 (*Elasmopus*) Maeridae

slayeri Drumm, 2018 (*Cerapus*)	Ischyroceridae
sohrevardensis Esmaeli-Rineh, Sari, Fišer & Bargrizaneh, 2017 (*Niphargus*)	Niphargidae
telukrimau Lim, Azman, Takeuchi & Othman, 2017 (*Pseudoaeginella*)	Caprellidae
teres d'Udekem d'Acoz & Verheye, 2017 (*Epimeria* (*Subepimeria*))	Epimeriidae
tonywhitteni Fišer, Alther, Zakšek, Borko, Fuchs & Altermatt, 2018 (*Niphargus*)	Niphargidae
transversus Sorrentino, Souza-Filho & Senna, 2018 (*Stephonyx*)	Uristidae
troglofugia Bastos-Pereira, De Oliveira & Ferreira, 2018 (*Hyalella*)	Hyalellidae
troglomorpha Angyal in Angyal et al, 2018 (*Mayaweckelia*)	Hadziidae
troglomorphus Sidorov, Hou & Sket, 2018 (*Gammarus*)	Gammaridae
urvillei d'Udekem d'Acoz & Verheye, 2017 (*Epimeria* (*Subepimeria*))	Epimeriidae
vaderotti Krapp-Schickel, 2018 (*Leucothoe*)	Leucothoidae
vallecula Hou & Li, in Hou et al. 2018 (*Gammarus*)	Gammaridae
victoria Zheng & Hou, 2017 (*Myanmarorchestia*)	Talitridae
vitucoi Tato & Moreira, 2017 (*Pareurystheus*)	Protomedeiinae
xesta d'Udekem d'Acoz & Verheye, 2017 (*Epimeria* (*Hoplepimeria*))	Epimeriidae
yirrgay Hughes & Takeuchi, 2016 (*Quadrisegmentum*)	Phtisicidae
yoyoae Lowry, Springthorpe & Azman, 2017 (*Talorchestia*)	Talitridae
zarosiensis Zettler & Zettler, 2017 (*Niphargus*)	Niphargidae
zhigangi Hou & Li, in Hou et al. 2018 (*Gammarus*)	Gammaridae

Systematic overview of new taxa

Ampeliscidae
- *Byblisoides* ***bellansantiniae, monicae, richardi***
- *Haploops* ***dauvini, kaimmalkai***

Amphilochidae
- *Amphilochus* ***anoculus***

Ampithoidae
- *Exampithoe* ***plumosa***
- *Pseudopleonexes* ***evensis***

Aoridae
- *Grandidierella* ***rubroantennata***, ***sanrikuensis***
- *Microdeutopus* ***periergos***

Caprellidae
- *Pseudoaeginella* ***telukrimau***

Corophiidae
- *Eocorophium* ***longiconum***
- *Sinocorophium* ***jindoense***

Cyamidae
- **Cyaminae**
  - ***Balaenocyamus*** *balaenopterae*
- **Isocyaminae**
  - *Isocyamus* ***indopacetus***

Dulichiidae
Dulichiopsis ***dianae***

Epimeriidae
Epimeria **frankei**
Epimeria **(*Drakepimeria*) *acanthochelon, anguloce, cleo, colemani, corbariae, cyrano, havermansiana, leukhoplites, loerzae, pandora, pyrodrakon, robertiana***
Epimeria (*Epimeriella*) ***atalanta***
Epimeria **(*Hoplepimeria*) *cyphorachis, gargantua, linseae, quasimodo, xesta***
Epimeria **(*Laevepimeria*) *anodon, cinderella***
Epimeria (*Pseudepimeria*) ***amoenitas, callista, debroyeri, kharieis***
Epimeria (*Subepimeria*) ***adeliae, iota, teres, urvillei***
Epimeria **(*Urepimeria*)**

Eriopisidae
Psammogammarus ***barrera***
Victoriopisa ***bantenensis, cusatensis***

Eurytheneidae
Eurythenes ***aequilatus***

Eusiridae
Rhachotropis ***marinae, saskia***

Gammaridae
Gammarus ***altus, caecigenus, deryae, gonggaensis, jidutanxian, kangdingensis, limosus, longdong, mosuo, parvioculatus, plaitisi, qinling, seideli, troglomorphus, vallecula, zhigangi***
Tadzocrangonyx ***alaicus***

Hadziidae
Mayaweckelia ***troglomorpha***

Haustoriidae
Haustorius ***allardi, galvezi***

Hyalellidae
Hyalella ***maya, montana, troglofugia***

Ischyroceridae
Tribe **Ericthonini**
Cerapus ***ryanadamsi, slayeri***

Kamakidae
Ledoyerella ***kunensis***

Leucothoidae
Anamixis ***coyotense***
Leucothoe ***coelocarteriensis, coscinoderma, ircinia, vaderotti***

Liljeborgiidae
Sextonia ***caeca***

Lysianassidae
Charcotia (rev.**) *amundseni***

Maeridae
Elasmopus ***sivaprakasami***
Maeropsis ***okinawensis***
Orientomaera decipiens*,* ***obliquua****,* ***rotundicoxa***

Melitidae
Melita ***choshigawaensis***

Niphargiidae
Haploginglymus ***geos***
Niphargus ***denarius, hosseiniei, ilamensis, kurdistanensis, lakusici, luchoffmanni, persicus, sarii, sohrevardensis, tonywhitteni, zarosiensis***

Nuuanuidae
Nuuanu ***jaumei***

Oedicerotidae
Monoculodes ***bousfieldi***

Pardaliscidae
Halicoides ***borealis***

Photidae
Photis ***guerrai***

Phtisicidae
Quadrisegmentum ***atauro****,* ***yirrgay***

Platyischnopidae
Ensigeropus cachinalito

Pleustidae
Vinogradovopleustes punctatum

Protomedeiinae
Pareurystheus ***vitucoi***

Pseudocrangonyctidae
Pseudocrangonyx ***akatsukai, daejeonenis, komaii***

Pseudoniphargidae
Pseudoniphargus ***gevi, morenoi***

Scopelocheiridae
Aroui ***minutisetosus***

Sicafodiidae
Sicafodia ***iceage***

Stenothoidae
Stenothoe ***irinae, nhatrangensis***

Stilipedidae
Alexandrella ***chione***

Talitridae

Brevitalitrus ***pangkorensis***
Hermesorchestia alastairi
Myanmarorchestia nunomurai, peterjaegeri, seabri, victoria
Talorchestia ***bunaken, dili, seringat, sipadan, yoyoae***
Waematau ***kohuroa, rereke, ringanohinohi***

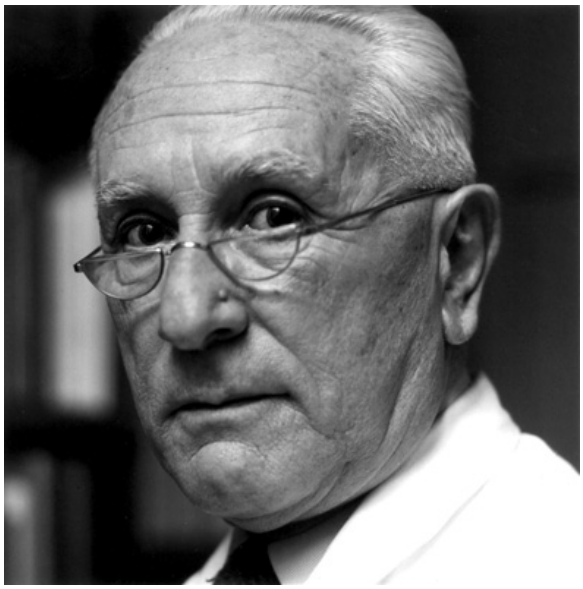
Tryphosidae

Orchomenella ***paucisetigera****,* ***rugosa***
Pseudorchomene ***boreoplebs***
Wecomedon (rev.).

Uristidae

Anonyx ***exilipes***
Stephonyx ***californiensis, transversus***

The Ruffo Archives

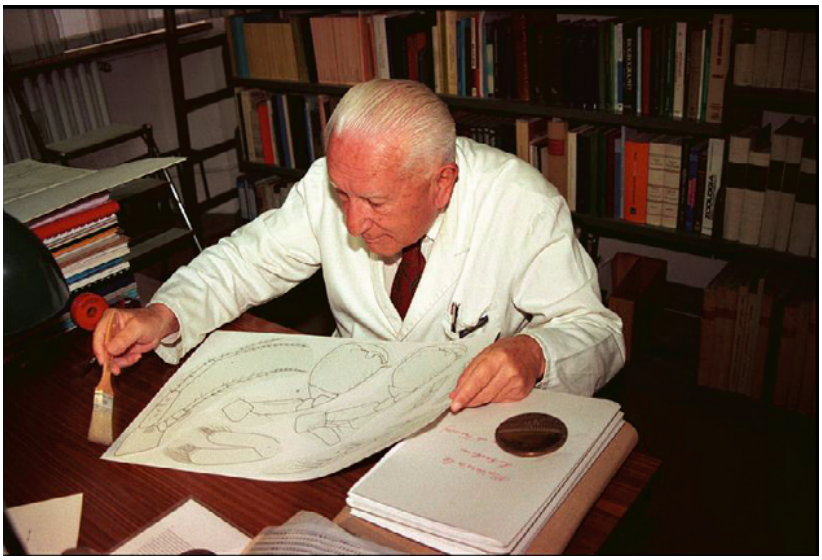


Sandro Ruffo

Dear Colleagues,

I´m pleased to inform you the we published on line all the pdf of the publications of Sandro Ruffo. You can download them from: http://museodistorianaturale.comune.verona.it/nqcontent.cfm?a_id=53143 Please spread the information to all those may be interested.

Best regards
Leonardo Latella



Sandro Ruffo illustrating amphipods

XVIII ICA: 2019

After Portugal (Aveiro, 2015) and Italy (Trapani, 2017)…

… **we are happy to announce the 18th International Colloquium on Amphipoda (ICA), which will be held at Dijon (France), from 26 to 30 August 2019.**

SAVE THE DATE !

As in all the preceding editions, the colloquium will host every aspects of studies upon amphipod crustaceans (systematics, ecology, biogeography, physiology, genetics, ecotoxicology etc.)

Above all, following a long lasting tradition, the International Colloquium on Amphipoda will be an exciting forum for scientific exchanges among researchers, where students find a unique environment to meet and connect with senior researchers.

Three plenary lectures will open each conference day. Invited speakers are:

-Pr ALEX FORD (University of Portsmouth, United Kingdom) ;

-Dr NICOLAS PUILLANDRE (Museum National d'Histoire Naturelle, France) ;

-Dr JOSE MANUEL GUERRA GARCIA (University of Sevilla, Spain)

On the sidelines of this conference, **a Mini-Workshop around DNA barcoding and BOLD** will take place on Friday afternoon. This Mini-Workshop is specifically targeting Amphipodologists who are already using DNA-barcodes and who are interested in using or improving their current use of BOLD.

Further details can be found on the 18th ICA Dijon 2109 website (blog.u-bourgogne.fr/ica2019/)

Please note that registrations are not open yet (a second circular will be sent in October for this), **but … Save the date!**

We look forward to see you in the 18th ICA!

Thierry Rigaud & Rémi Wattier
coordinators