

## Tardigrade Related Publications

- Bartels, P.J. & Nelson, D.R. (2006). A large-scale, multi-habitat inventory of the tardigrades in the Great Smoky Mountains National Park. *HYDROBIOLOGIA*. 558:111-118.
- Bartels, P.J. and Nelson, D.R. (2007). An Evaluation of Species Richness Estimators for Tardigrades of the Great Smoky Mountains National Park, TN and NC, USA. Proceedings of the Tenth International Symposium on Tardigrada. *JOURNAL OF LIMNOLOGY* 66 (Suppl. 1): 104:110.
- Nelson, D.R. and Bartels, P.J. (2007). "Smoky Bears"—Tardigrades of the Great Smoky Mountains National Park. *SOUTHEASTERN NATURALIST* 6 (Special Issue 1):229-238.
- Bartels, P.J., Nelson, D.R., Kaczmarek, L., & Michalczyk, L. (2007). *Doryphoribius smokiensis*, a new species of Eutardigrada (Hypsibiidae) from the Great Smoky Mountains National Park, TN, USA (North America). *ZOOTAXA* 1646:59-65.
- Bartels, P.J., Nelson, D.R., Kaczmarek, L., & Michalczyk, L. (2008). Three new species and one new record of the genus *Doryphoribius* Pilato, 1969 (Tardigrada: Eutardigrada: Hypsibiidae) from the Great Smoky Mountains National Park (Tennessee, USA). *JOURNAL OF NATURAL HISTORY* 42:2595-2608.
- Bartels, P.J., Nelson, D.R., Pilato, G., & Lisi, O. (2009). The genus *Macrobotus* (Tardigrada: Eutardigrada: Macrobotidae) from the Great Smoky Mountains National Park (Tennessee and North Carolina, USA), with a description of two new species. *ZOOTAXA* 2022: 45-57.
- Bartels, P.J., Nelson, D.R., & Exline, R.P. (2011). Allometry and removal of body size effects in the analysis of tardigrades. *JOURNAL OF ZOOLOGICAL SYSTEMATICS AND EVOLUTIONARY RESEARCH* 49 (1):17-25.
- Bartels, P.J., Nelson, D.R., Kaczmarek, L., & Michalczyk, L. (2011). *Ramazzottius bellubellus*, a new species of Tardigrada (Eutardigrada: Hypsibiidae) from the Great Smoky Mountains National Park, NC, USA. *PROCEEDINGS OF THE BIOLOGICAL SOCIETY OF WASHINGTON* 124(1):23-27.
- Bartels, P.J. & Nelson, D.R. (2012). An Online Key and Field Guide to the Tardigrades of the Great Smoky Mountains National Park (North Carolina & Tennessee, USA, North America) with Taxonomic Revisions of Two Species. *ZOOTAXA* 3249:67-68.  
[http://keys.lucidcentral.org/keys/v3/smokey\\_bears/](http://keys.lucidcentral.org/keys/v3/smokey_bears/)
- Nelson, D.R. & Bartels, P.J. (2013). Species richness of soil and leaf litter tardigrades in the Great Smoky Mountains National Park (North Carolina/Tennessee, USA). *JOURNAL OF LIMNOLOGY* 72(s1):144-151.
- Bertolani, R., Bartels, P.J., Giudetti, R., Cesari, M., and Nelson, D.R. (2014). Aquatic tardigrades in the Great Smoky Mountains National Park, North Carolina and Tennessee, U.S.A., with the description of a new species of *Thulinus* (Tardigrada, Isohypsibiidae). *ZOOTAXA* 3764(5):524-536.
- Bartels, P.J., Nelson, D.R., Kaczmarek, L., & Michalczyk, L. (2014). The genus *Milnesium* (Tardigrada: Eutardigrada: Milnesiidae) in the Great Smoky Mountains National Park (North Carolina and Tennessee, USA), with the description of *Milnesium bohleberi* sp. *ZOOTAXA* 3826:356-368.

- Bartels, P.J., Fontoura, P. & Nelson, D.R. (2015). New records of marine tardigrades from Moorea, French Polynesia, with the description of *Styraconyx turbinarium* sp. nov. (Arthrotardigrada, Halechiniscidae). ZOOTAXA 3955:389-402.
- Kaczmarek, L., Bartels, P.J., Roszkowska, M. & Nelson, D.R. (2015). The zoogeography of marine tardigrada. ZOOTAXA 4037:1-189.
- Bartels, P.J., Apodaca, J.J., Mora, C., & Nelson, D.R. (2016). A global biodiversity estimate of a little known taxon: Phylum Tardigrada. ZOOLOGICAL JOURNAL OF THE LINNEAN SOCIETY. 178:730-736.
- Roszkowska, M., Bartels, P.J., Goldyn, B., Ciobanu, D.A., Fontoura, P., Michalczyk, L, Nelson, D.R., Ostrowska, M., Moreno-Talamantes, A., & Kaczmarek, L. (2016). Is the gut content of *Milnesium* (Eutardigrada) related to buccal tube size? ZOOLOGICAL JOURNAL OF THE LINNEAN SOCIETY 178:794-803.
- Bartels, P.J., Mormino, C., & Nelson, D.R. (2016). Aquatic tardigrades of North Carolina with a new North American record of a lotic tardigrade, *Dactylobiotus haplonyx* Maucci, 1980 (Eutardigrada: Macrobiotidae). JOURNAL OF THE NORTH CAROLINA ACADEMY OF SCIENCE. 132(1):26-30.
- Bartels, P.J., Bradbury, L.J., & Nelson, D.R. (2017). Marine tardigrades from South Carolina, USA. JOURNAL OF THE SOUTH CAROLINA ACADEMY OF SCIENCE 15(1):43-48.
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- Kaczmarek, L., Gawlak, M., Bartels, P.J., Nelson, D.R. & Roszkowska, M. (2017). A revision of the genus *Paramacrobiotus* Guidetti et al., 2009 with the description of new species, re-descriptions, and a key. ANNALES ZOOLOGICI 67(4):627-656.
- Santos, E., Rubal, M., Veiga, P, Bartels, P.J., da Rocha, C.M.C., & Fontoura, P. (2018). On the distribution of *Batillipes tubernatis* Pollock 1971 (Arthrotardigrada: Batillipedidae) in the Atlantic Basin. MARINE BIODIVERSITY <https://doi.org/10.1007/s12526-017-0834-9>
- Santos, E., Gomes, Jr., E., P.J., da Rocha, C.M.C., Bartels, P., & Fontoura, P. (2018). A closer look at *Batillipes dicrocercus* and new records of *Batillipes potiguarensis* (Tardigrada: Arthrotardigrada) from the Brazillian coast with comments on intra- and interspecific variability. IHERINGIA SERIE ZOOLOGIA. 108:32018041.
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- Bartels, P.J., Fontaneto, D., Roszkowska, M., Nelson, D.R., & Kaczmarek, L. (2020). Latitudinal gradients in body size in marine tardigrades. *ZOOLOGICAL JOURNAL OF THE LINNEAN SOCIETY* 188(3):820-838. <https://doi.org/10.1093/zoolinnea/zlz080>
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- Bartels, P.J., Nelson, D.R., & Kaczmarek, L. (2021). An updated species list for “Smoky Bears” -- Tardigrades of the Great Smoky Mountains National Park, USA. *ZOOTAXA* 4980:256-268. <https://doi.org/10.11646/zootaxa.4980.2.2>
- Bartels, P.J., Coffey, D.C., Pineau, M., Kaczmarek, L., & Nelson, D.R. (accepted ms). An exploration of autofluorescence in tardigrades (Phylum Tardigrada). *ZOOLOGICAL JOURNAL OF THE LINNEAN SOCIETY*.