

Dr. Marina Potapova
Assistant Curator of Diatoms
Academy of Natural Sciences of Philadelphia
www.ansp.org

Publications

Potapova, M. 2012. New species and combinations in monoraphid diatoms (family Achnanthidiaceae) from North America. *Diatom Research*, DOI:10.1080/0269249X.2011.644636.

English, J.D. and Potapova, M. 2011. Ontogenetic and interspecific valve shape variation in the Pinnatae group of the genus *Surirella* and the description of *S. lacrimula* sp. nov. *Diatom Research*, DOI:10.1080/0269249X.2011.642950.

Potapova, M. 2011. *Tabellaria vetteri*, a new diatom species (Bacillariophyta: Tabellariaceae) from Pennsylvania. *Proceedings of the Academy of Natural Sciences of Philadelphia* 161: 35-41.

Potapova, M. 2011. New species and combinations in the genus *Nupela* from the USA. *Diatom Research* 26: 73-87.

Potapova, M. 2011. Patterns of Diatom Distribution In Relation to Salinity. Pages 313-332 in: Seckbach, J and J.P. Kociolek (Eds.) *The Diatom World. Cellular Origin, Life in Extreme Habitats and Astrobiology (COLE) Book Series*, V.19, Springer, Dordrecht.

Potapova, M. and Carlisle D.M. 2011. Development and application of indices to assess the condition of benthic algal communities in U.S. streams and rivers. U.S. Geological Survey Open File Report 2011-1126.

Potapova, M. 2010. The ANSP Diatom Herbarium: an important resource for diatom research. *Proceedings of the Academy of Natural Sciences of Philadelphia* 160: 3-12.

Spaulding, S.A., Lubinski, D.J. and Potapova, M. 2010. Diatoms of the United States. <http://westerndiatoms.colorado.edu> (web publication).

Enache, M. and Potapova, M. 2009. A new species of *Sellaphora* (Sellaphoraceae) from Hannaberry Lake, Arkansas, USA. *Acta Botanica Croatica* 68: 231-237.

English, J. and Potapova, M. 2009. *Aulacoseira paradata* sp. nov., *A. nivalis* comb. nov., *A. nivaloides* comb. et stat. nov., and their occurrences in western North America. *Proceedings of the Academy of Natural Sciences of Philadelphia* 158: 37-48.

Bahls, L., Potapova, M., Fallu, M.-A., and Pientiz, R. 2009. *Aulacoseira canadensis* and *Aulacoseira crassipunctata* (Bacillariophyta) in North America. *Nova Hedwigia, Beiheft* 135: 167-184.

- Potapova, M.G. and Ponader, K.C. 2008. New species and combinations in the diatom genus *Sellaphora* (Sellaphoraceae) from Southeastern United States. *Harvard Papers in Botany*, Vol. 13 (1): 171–181.
- Carlisle D.M., Hawkins C.P., Meador M.R., Potapova M., and Falcone J. 2008. Biological assessments of Appalachian streams based on predictive models for fish, macroinvertebrate, and diatom assemblages. *Journal of the North American Benthological Society* 27(1): 16-37.
- Potapova, M. and Hamilton, P.B. 2007. Morphological and ecological variation within the *Achnantheidium minutissimum* (Bacillariophyceae) species complex. *Journal of Phycology*, 43:561-575.
- Potapova, M. and Charles, D.F. 2007. Diatom metrics for monitoring eutrophication in rivers of the United States. *Ecological Indicators* 7:48-70.
- Ponader, K.C. and Potapova, M.G. 2007. Diatoms from the genus *Achnantheidium* in flowing waters of the Appalachian Mountains (North America): Ecology, distribution and taxonomic notes. *Limnologia* 37: 227-241.
- Potapova, M. 2006. *Achnantheidium zhakovschikovii* sp. nov. (Bacillariophyta) and related species from rivers of Northwestern Russia. *Nova Hedwigia*, 82(3-4):399-408.
- Potapova, M. G. and Winter D. 2006. Use of nonparametric multiplicative regression for modeling diatom habitat: a case study of three *Geissleria* species from North America. Pages 319-332 in: Ognjanova-Rumenova, N. and K. Manoylov (eds.) *Advances in Phycological Studies. Festschrift in Honour of Prof. Dobrina Temniskova-Topalova*. Pensoft Publishers & University Publishing House, Sofia-Moscow.
- Potapova, M. and Charles, D.F. 2005. Choice of substrate in algae-based water-quality assessment. *Journal of the North American Benthological Society*, 24: 415-427.
- Potapova, M.G., J. F. Coles, E. M. Giddings, and H. Zappia. 2005. A comparison of the influences of urbanization in contrasting environmental settings on stream benthic algal assemblages. *Effects of urbanization on stream ecosystems*. American Fisheries Society Symposium 47: 333-359.
- Potapova, M.G. and Ponader, K.C. 2004. Two common North American diatoms, *Achnantheidium rivulare* sp. nov. and *A. deflexum* (Reimer) Kingston: morphology, ecology and comparison with related species. *Diatom Research*, 19(1): 33-57.
- Potapova, M. and Charles, D.F. 2004. Potential use of rare diatoms as environmental indicators in U.S.A. rivers. Pages 281-295 in: *Proceedings of the 17th International diatom symposium*, M Poulin, editor, Biopress Limited, Bristol.
- Potapova, M.G., Charles, D.F., Ponader, K.C., and Winter, D.M. 2004. Quantifying species indicator values for trophic diatom indices: a comparison of approaches. *Hydrobiologia* 517: 25-41.
- Potapova M.G., Ponader, K.C., Lowe, R.L., Clason, T.A. and Bahls, L.L. 2003. Small-celled *Nupela* species from North America. *Diatom Research*, 18(2), 293-306.

- Potapova, M. and Charles, D.F. 2003. Distribution of benthic diatoms in U.S. rivers in relation to conductivity and ionic composition. *Freshwater Biology*, 48: 1311-1328.
- Potapova, M. and Charles, D.F. 2002. Benthic diatoms in USA rivers: distribution along spatial and environmental gradients. *Journal of Biogeography*, 29: 167-187.
- Snoeijs, P., Busse, S. and Potapova, M. 2002. The importance of diatom cell size in community analysis. *Journal of Phycology*, 38: 265-281.
- Makarova, I.V., Strelnikova, N.I., Kozyrenko, T.F., Gladenkov, A.Yu., Kazarina, G. Kh., Nikolaev, V.A., Potapova, M.G., and Zhakovshchikova, T.K. 2002. *The Diatoms of Russia and adjacent countries. Fossil and recent. II(3)*. St. Petersburg: St. Petersburg University, 111 pp.
- Potapova, M.G. 1999. Diatom algae of a sandy littoral in the eastern part of the Gulf of Finland. - *Botanichesky Zhurnal (Botanical Journal)*. V.84 (1):59-65.
- Potapova, M. 1999. Use of algae for monitoring rivers in Russia. In: *Use of algae for monitoring rivers III, Proceedings of an International Symposium held at Douai, France, 1997*: 96-101.
- Snoeijs, P. and Potapova, M. 1998. Ecotypes or endemic species? – a hypothesis on the evolution of *Diatoma* taxa (Bacillariophyta) in the northern Baltic Sea. *Nova Hedwigia*. V.67(3-4): 303-348.
- Potapova, M., Kvitko, K., and Dmitrieva, I. 1998. Algal components of the oil-polluted water ecosystems. *Proceedings of the Workshop of the Water/Wastewater Section of the VAAM on Microbiology of polluted aquatic ecosystems, Leipzig, Germany, №10*: 182-187.
- Safonova, E., Kvitko, K., and Potapova, M. 1998. The collection of algae from polluted waters and soils. *Proceedings of the Workshop of the Water/Wastewater Section of the VAAM on Microbiology of polluted aquatic ecosystems, Leipzig, Germany, №10*: 188-196.
- Potapova, M. and Snoeijs, P. 1997. The natural life cycle in wild populations of *Diatoma moniliformis* (Bacillariophyceae) and its disruption in an aberrant environment. *Journal of Phycology*. V.33: 924-937.
- Potapova, M. 1996. Epilithic algal communities in rivers of the Kolyma Mountains, NE Siberia, Russia. *Nova Hedwigia*. V. 63 (3-4): 309-334.
- Snoeijs, P. and Potapova, M. (eds.) 1995. Intercalibration and distribution of diatom species in the Baltic Sea. Vol. 3. Uppsala: Opulus Press, 126.
- Potapova, M. 1994. Biomass of the attached algae in the rivers of Kolyma Mountains: its dynamics and limiting factors. *Vodnye resursy (Water resources)*. V.21 (6): 684-690.
- Kharitonov V. and Potapova, M. 1993. Phytobenthos of the Kontaktovy creek. *Hydrology, hydrochemistry and hydrobiology of the Kontaktovy creek (the Upper Kolyma basin)*. Vladivostok. p. 33-41.
- Potapova, M. 1992. The composition and distribution of the attached algal communities in small rivers of the Upper Kolyma River basin. *Botanichesky Zhurnal (Russian Botanical Journal)*. V.77 (1): 83-91.