

## BIOGRAPHICAL SKETCH

Dr. Marianne V. Moore  
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### Education:

|                       |                 |       |      |
|-----------------------|-----------------|-------|------|
| Colorado College      | Biology         | B.A.  | 1975 |
| Iowa State University | Limnology       | M.S.  | 1977 |
| Dartmouth College     | Aquatic Ecology | Ph.D. | 1986 |

### Employment:

|             |   |
|-------------|---|
| 2018        | Frost Professor Emerita in Environmental Science & Professor Emerita of Biological Sciences, Wellesley, College |
| 2014 - 2017 | Frost Professor in Environmental Science, Wellesley College   |
| 2012 – 2017 | Professor, Wellesley College, Dept. Biological Sciences   |
| 1997-2012   | Associate Professor, Wellesley College, Dept. Biological Sciences   |
| 1988-1996   | Assistant Professor, Wellesley College, Dept. Biological Sciences   |

**Research Interests:** Climate change and lake ecosystems; interactive effects of climate change and anthropogenic stressors; urban light pollution; lake food webs; zooplankton ecology

**Selected publications (2013-2018):** \*\*equal or corresponding authorship; \*student coauthor

- Timoshkin, O.A., **M.V. Moore**, N.N, Kulikova, I.V. Tomberg, V.V. Malnik, M.N. Shimaraev, E.S. Troitskaya, A.A. Shirokaya, V.N. Sinyukovich, E.P. Zaitseva, V.M. Domysheva, M. Yamamuro, A.E. Poberezhnaya, E.M. Timoshkina. 2018. Groundwater contamination by sewage causes benthic algal outbreaks in the littoral zone of Lake Baikal (East Siberia). *Journal of Great Lakes Research* 44:230-244. doi: 10.1016/j.jglr.2018.01.008
- Poste, A.E., M.V. Pastukhov, H.F.V. Braaten, T. Ozersky, and **M.V. Moore**. 2018. Past and present mercury accumulation in the Lake Baikal seal: Temporal trends, effects of life history, and toxicological implications. *Environmental Toxicology & Chemistry* 37:1476-1486. doi: 0.1002/etc.4095
- Moore, M.V.** and L.V. Sukhanova. 2017. Preface. *Inland Waters* 7:249. doi: 10.1080/20442041.2017.1354464
- Ozersky, T., M.V. Pastukhov, A.E. Poste, \*X.Y. Deng, and **M.V. Moore**. 2017. Long-term and ontogenetic patterns of heavy metal contamination in Lake Baikal seals (*Pusa sibirica*). *Environmental Science and Technology*. 51:10316-10325. doi: 10.1021/acs.est.7b00995
- Timofeyev, M.A., E.A. Silow, A.W. Mackay, **M.V. Moore**, and G.E. Likens. 2016. Safe-guarding the world's largest lake. Correspondence published in *Nature* 538: 41. doi:10.1038/538041a
- Timoshkin, O.A., D.P. Samsonov, M. Yamamuro, **M.V. Moore**, O.I. Belykh, V.V. Malnik, M.V. Sakirko, A.A. Shirokaya, N.A. Bondarenko, V.M. Domysheva, G.A. Fedorova, A.I. Kochetkov, A.V. Kuzmin, A.G. Likhnev, O.V. Medvezhonkova, A.V.

- Nepokrytykh, E.M. Pasyukova, A.E. Poberezhnaya, N.V. Potapskaya, N.A. Rozhokova, N.G. Sheveleva, I.V. Tikhonova, E.M. Timoshkina, I.V. Tomberg, E.A. Volkova, E.P. Zaitseva, Yu.M. Zvereva, A.B. Kupchinsky, N.A. Bukshuk. 2016. Rapid ecological change in the coastal zone of Lake Baikal (East Siberia): Is the site of the world's greatest freshwater biodiversity in danger? *Journal of Great Lakes Research* 42:487-497. doi: 10.1016/j.jglr.2016.02.011
- Izmest'eva, L.R., \*\***M.V. Moore**, S.E. Hampton, C.J. Ferwerda, D.K. Gray, K.H. Woo, H.F. Pislegina, L.S. Krashchuk, S.V. Shimaraeva, and E.A. Silow. 2016. Lake-wide physical and biological trends associated with warming in Lake Baikal. *Journal of Great Lakes Research* 42:6–17. doi:10.1016/j.jglr.2015.11.006.  
Received Best Paper Award for 2016 from the journal.
- Sitnikova, T., S. Kiyashko, N. Bukshuk, T. Zemskaya, O. Khlystov, and **M.V. Moore**. 2016. Stable isotope signatures and distribution of deepwater sponges in Lake Baikal. *Hydrobiologia* 773:11-22. doi: 10.1007/s10750-016-2674-1
- Katz, S.L., L.R. Izmest'eva, S.E. Hampton, T. Ozersky, K. Shchapov, **M.V. Moore**, S.V. Shimaraeva, and E.A. Silow. 2015. The “Melosira years” of Lake Baikal: Winter environmental conditions at ice onset predict under-ice algal blooms in spring. *Limnology and Oceanography* 60:1950–1964. doi: 10.1002/lno.10143
- Hampton, S.E., D.K. Gray, L.R. Izmest'eva, **M.V. Moore**, T. Ozersky. 2014. The rise and fall of plankton: long-term changes in the vertical distribution of algae and grazers in Lake Baikal, Siberia. *PLoS ONE*: 9(2): e88920. doi:10.1371/journal.pone.0088920
- Ozersky, T. and **M.V. Moore**. 2013. Fostering dialogue between Russian early-career aquatic scientists and the public. *Limnology and Oceanography Bulletin* 22:112-113.

#### **Awards:**

- 2016 Chandler-Misener Award, International Association for Great Lakes Research (Best research paper for 2016, Izmest'eva, Moore et al. 2016)
- 2015 Ramón Margalef Award for Excellence in Education, Association for the Sciences of Limnology and Oceanography.
- 2000 Apgar Teaching Award for innovation & creativity in teaching, Wellesley College
- 1999 Pinanski Prize for Teaching Excellence, Wellesley College

#### **Synergistic Activities:**

Co-developed undergraduate educational program in limnology and Russian culture taught onsite at Lake Baikal, Siberia to American and Russian students. 2000 - ongoing.

#### **External Grant Proposals:**

- 2011-16 US National Science Foundation - DIMENSIONS OF BIODIVERSITY,  
Collaborative Research: *Lake Baikal responses to global change: the role of genetic, functional and taxonomic diversity in the plankton*". \$1,999,917 (\$441,541, Wellesley College portion of proposal). Co-authored with 4 other collaborators.

#### **Editing:**

Associate Editor, *Inland Waters* (2010-current); Editorial Board member *Environmental Pollution* (1993-2004).