

CURRICULUM VITAE

LYUBOV EVGENIEVNA BURLAKOVA

EDUCATION:

Institute of Zoology, Belarusian Academy of Science, Minsk, Belarus; Candidate of Science (Ph. D.); 1998; Aquatic Biology

Belarusian State University, Minsk, Belarus; M. Sc., 1985; Biophysics.

EMPLOYMENT AND EXPERIENCE:

- 2014 – Present Senior Research Scientist, Great Lakes Center, Research Foundation of SUNY, SUNY Buffalo State, Buffalo, New York
- 2011 – Present Adjunct Associate Professor, Department of Geology, State University of New York at Buffalo.
- 2007 – Present Adjunct Associate Professor, Biology Department, SUNY Buffalo State Buffalo, New York
- 2007 – 2014 Research Scientist, Great Lakes Center, Research Foundation of SUNY, SUNY Buffalo State, Buffalo, New York
- 2001 – 2007 Adjunct Professor, Research Scientist, Stephen F. Austin State University, Nacogdoches, Texas
- 2001 Research Ecologist, University of the State of New York Museum Field Research Lab
- 1998 – 2000 Assistant Professor, General Ecology Department, Biology Faculty, Belarusian State University
- 1997 - 1998 Senior Scientist, Laboratory of Aquatic Ecology, Biology Faculty, Belarusian State University
- 1996 – 1997 Visiting Assistant Professor, University of Wisconsin-Madison
- 1996 - 1997 Senior Scientist, Department of Aquatic Ecology, Lakes Research Laboratory, Geography Faculty, Belarusian State University
- 1994 - 1996 Scientist, Department of Aquatic Ecology, Lakes Research Laboratory, Geography Faculty, Belarusian State University
- 1992 - 1994 Junior Scientist, Lakes Research Laboratory, Geography Faculty, Belarusian State University
- 1985 - 1992 Junior Scientist, Biophysics Department, Physics Faculty, Belarusian State University

RESEARCH INTERESTS:

Ecology and Diversity of Freshwater Benthic Communities; Aquatic Invasive Species: Ecology, Spread and Role in Ecosystems; Biodiversity and Conservation of Freshwater Molluscs Family Unionidae; Ecology of Zebra Mussel and its Role in Aquatic Ecosystems; Growth, Reproduction, Parasitology and Spread of Zebra Mussel.

GRANTS/CONTRACTS RECEIVED (PRINCIPAL INVESTIGATOR AND CO-PI):

- 2017-2022 Rudstam, L., L. E. Burlakova, A. Y. Karatayev, and J. Watkins. Great Lakes Long-term Biological Monitoring. U.S. EPA Great Lakes Restoration Initiative. \$5,999,903 (\$2,700,000 for BSC).
- 2017-2019 Burlakova, L. E., A. Y. Karatayev. DNA Barcode Reference Library: Mollusca, Annelida, and minor phyla. U.S. EPA Great Lakes Restoration Initiative. \$400,000.
- 2017-2019 Molloy, D., L. Burlakova. The Natural Enemies of Dreissenid Mussels: An update of the seminal monograph published in 1997. Hudson River Foundation. \$65,200. 2017-2019.
- 2016-2018 Karatayev, A. Y., L. E. Burlakova. Lake Superior Benthos: Cooperative Science & Monitoring Initiative. US Geological Survey. \$150,000. 2016-2018.
- 2014-2017 Karatayev, A. Y., L. E. Burlakova. Lake Erie & Lake Michigan Benthos: Cooperative Science & Monitoring Initiative. US Geological Survey. \$500,000. 2014-2016.

- 2014-2018 Karatayev, A. Y., L. E. Burlakova, and G. Gorsky. Investigating Lake Sturgeon habitat use, feeding ecology and benthic resource availability in the lower Niagara River. Ecological Greenway Fund. \$835,829.
- 2012-2018 Rudstam, L., A. Y. Karatayev, L. E. Burlakova. Great Lakes Long-Term Biological Monitoring of Zooplankton, Benthos, and Chlorophyll a. U.S. EPA. \$3,867,525 (\$1,094,726 for BSC).
- 2012-2013 Snyder, R. J., L. E. Burlakova, D. B. MacNeill, and A. Y. Karatayev. Enhanced Early Detection of Invasive Ponto-Caspian Fishes in the Great Lakes. U.S. EPA Great Lakes Restoration Initiative. \$99,756.
- 2012-2013 Burlakova, L. E., A.Y. Karatayev. Zebra/Quagga Mussel Viability Test. U.S. Fish and Wildlife Service, Pacific Region. \$24,962.
- 2010-2013 Burlakova, L. E., A.Y. Karatayev, M. E. May, and B. Lang. Survey of Texas Hornshell Populations in Texas. U.S. Fish and Wildlife Service and Texas Parks and Wildlife Department, Traditional Section 6 Joint Project with New Mexico Department of Game and Fish. \$143,000.
- 2011-2012 Burlakova, L. E., A. Y. Karatayev, M. E. May, M. D. Warriner, and B. Gottfried. Survey of threatened freshwater mussels (*Bivalvia: Unionidae*) in Texas. State Wildlife Grant Program, U.S. Fish and Wildlife Service, and Texas Parks and Wildlife Department. \$38,000.
- 2011-2013 Zanatta, D., L. E. Burlakova, A. Y. Karatayev, R. Krebs, M. Hoggarth, F. de Szalay, J. Bossenbroek, E. Meyer, M. Walsh. Collaborators: M. Schlesinger, R. Haas, T. Crail, P. Badra, N. Welte, and L. Holst. Conservation of Native Freshwater Mussel Refuges in Great Lakes Coastal Zones. Great Lakes Fish and Wildlife Restoration Act, U. S. Fish and Wildlife Service. \$366,412.
- 2011-2013 Pennuto, C. M., A. Y. Karatayev, A. Pérez-Fuentetaja, L.E. Burlakova, D. Bade, G. Matisoff, J. Kramer, and C. Mayer. The Lake Erie Nearshore and Offshore Nutrient Study (LENONS). U.S. EPA Great Lakes Restoration Initiative. \$615,813.
- 2010-2011 Snyder, R. J., L. E. Burlakova, D. B. MacNeill, and A. Y. Karatayev. Evaluating Ponto-Caspian Fishes for Risk of Great Lakes Invasion. U.S. EPA Great Lakes Restoration Initiative. \$111,264.
- 2010 Burlakova, L., A. Karatayev, and M. Goehle. Preliminary Risk Assessment of the Parasites of Aquatic Exotic Invertebrates in the Great Lakes Region. New York Great Lakes Protection Fund Small Grants Program (Great Lakes Research Consortium, New York Department of Environmental Conservation, New York Great Lakes Basin Advisory Council). \$9,473.
- 2009 Pennuto, C.M., A.Y. Karatayev, A. Pérez-Fuentetaja, L.E. Burlakova, G. Matisoff, J. Kramer, and J. Conroy. The Nearshore and Offshore Lake Erie Nutrient Study (NOLENS). U.S. EPA. \$150,000.
- 2008-2009 Burlakova, L. E. and A. Y. Karatayev. State-Wide Assessment of Unionid Diversity in Texas. State Wildlife Grant Program, U.S. Fish and Wildlife Service. \$67,514.
- 2007-2008 Karatayev, A. Y. and L. E. Burlakova. Effect of Natural Factors on Rate of Spread of Aquatic Invasive Species. Buffalo State College Research Council Incentive Funds. \$6,284.
- 2007-2008 Burlakova, L. E. and A. Y. Karatayev. State-Wide Assessment of Unionid Diversity in Texas. State Wildlife Grant Program, U.S. Fish and Wildlife Service. \$69,375.
- 2006-2009 Burlakova, L. E. and A. Y. Karatayev. Assessing Potential Impacts of Channeled Applesnail to Wetlands in the Galveston Bay Watershed. Texas Commission on Environmental Quality. \$20,000.
- 2006-2007 Burlakova, L. E. and A. Y. Karatayev. East Texas Mussel Surveys. State Wildlife Grants, U.S. Fish and Wildlife Service. Texas Parks and Wildlife Department. \$32,056.
- 2006-2007 Karatayev, A. Y. and L. E. Burlakova. Status of Invasive Freshwater Mollusks in Texas. State Wildlife Grants, U.S. Fish and Wildlife Service. Texas Parks and Wildlife Department. \$17,795.
- 2006-2007 Burlakova, L. E. and A. Y. Karatayev. Distributional survey and habitat utilization of freshwater mussels. Texas Water Development Board. \$65,000.
- 2006-2007 Karatayev, A. Y. and L. E. Burlakova. Predicting the spread and ecosystem impact of exotic bivalve *Limnoperna fortunei* on North American freshwaters. SFA Faculty Research Grant. \$15,704.

- 2006-2008 Karatayev, A. Y. and L. E. Burlakova Potential effects of Zebra mussels in the Madison lakes. Wisconsin DNR Aquatic Invasive Species Grants Program. \$49,037.
- 2004-2006 Freshwater mussel survey in Texas. State Wildlife Grants, U.S. Fish and Wildlife Service. Texas Parks and Wildlife Department. \$120,000.
- 2006 SFA Research Enhancement Minigrant. \$500.
- 2004-2006 Assessing potential impacts of Channeled Applesnail to wetlands in the Galveston Bay watershed. U.S. Fish and Wildlife Service, Texas Commission on Environmental Quality, and USDA Cooperative Agriculture Pest Survey (CAPS) Program for 2005 surveys. \$117,544.
- 2006 SFA Research Enhancement Minigrant. \$750.
- 2004-2006 Survey of Benthic Macroinvertebrates at Texas Army National Guard (TXARNG) Facility Fort Wolters, Parker County, Texas. Texas Army National Guard. \$16,024
- 2003-2005 The impact of invasive molluscs *Corbicula fluminea* and *Dreissena polymorpha* on benthic communities of aquatic ecosystems. SFA Faculty Research Grant. \$15,872.
- 2003-2005 Monitoring of Unionid Populations at Texas Army National Guard (TXARNG) Facility Camp Maxey, Lamar County, Texas. Texas Army National Guard. \$44,900.
- 2003-2005 Survey of Benthic Macroinvertebrates at Texas Army National Guard (TXARNG) Facility Camp Swift, Bastrop County, Texas. Texas Army National Guard. \$15,800.
- 2003-2004 Survey of Benthic Macroinvertebrates at Texas Army National Guard (TXARNG) Facility Camp Maxey, Lamar County, Texas. Texas Army National Guard. \$15,500.
- 1998-2000 Study the Potential Spread of Zebra Mussels and Develop Fundamentals of Impact of Species-filtrator on Water Ecosystems using Lakes of Belarus and United States as an Example. Ministry for Education and Science Republic of Belarus. \$1,000.
- 1995-1997 Study of Zebra Mussel Effects on Ecological Systems of Belarusian Lakes and Development of Methods for Using Zebra Mussels to Improve Water Quality and Increase Fish Productivity. Ministry for Education and Science Republic of Belarus. \$12,000.
- 1993-1994 Development of a Mathematical Model of the Ecological System of Lake Lukomskoe. Novolukomskij Town Executive Committee. \$2,200.
- 1990-1991 Environmental Monitoring of Lukomskoe Lake Focusing on Anthropogenic Influences. Novolukomlskaya Thermal Electric Power Plant. \$ 800.

PROFESSIONAL PUBLICATIONS AND PRESENTATIONS:

Peer-review Publications: 97

Presentations at Scholarly Meetings and Invited Talks: 95

Papers in Proceedings: 11

Published Abstracts: 170

PUBLICATIONS:

REVIEWED PUBLICATIONS:

Gerasimova, L. K., L. E. Burlakova, and B. A. Tatarinov. 1985. Comparative study of the effect of ultraviolet rays, alpha radiation and ozone on apple induviate tissue. *Vestnik Belorusskogo Universiteta*. Ser. 2 (3): 14-18. (in Russian).

Zhukovskaya, L. N., L. E. Burlakova, L. E. Gorbatshevich, T. M. Novikova, B. A. Tatarinov, and S. N. Ustichenko. 1988. Efficiency of short-term methods for storage of fruits and vegetables at high temperatures. *Vestsi Akademii Navuk BSSR*. Seriya selskagapadarchikh navuk 1. Dep. in VNIITISX, № 11, BC-87, Dep. 24 p. (in Russian).

Tatarinov, B. A., T. M. Novikova, L. N. Zhukovskaya, and L. E. Burlakova. 1988. Methods for storage of fruits and berries transporting in airplane containers at high temperatures. *Vestsi Akademii Navuk BSSR*. 2: 11-18. (in Russian).

- Karatayev, A. Y., and L. Y. Burlakova. 1992. Changes in trophic structure of macrozoobenthos of an eutrophic lake, after invasion of *Dreissena polymorpha*. *Biologiya Vnutrennikh Vod. Inform. Byull.* 93: 67-71 (in Russian).
- Karatayev, A. Y., I. A. Rudakovskiy, and L. E. Burlakova. 1993. Cs 137-distribution and dynamic in the lakes with different levels of radioactive contamination. *Vestnik Belorusskogo Universiteta*. Ser. 2 (3): 57-61 (in Russian).
- Karatayev, A. Y., and L. E. Burlakova. 1994. The rate of filtration. In: Y. I. Starobogatov (ed.). *Freshwater Zebra Mussel Dreissena polymorpha* (Pall.) (Bivalvia, Dreissenidae). Systematic, Ecology, Practical Meaning, pp. 132-137. Nauka Press, Moscow (in Russian).
- Karatayev, A. Y., V. P. Lyakhovich, S. A. Afanasiev, L. E. Burlakova, V. P. Zakutskiy, S. M. Lyakhov, M. P. Miroschnichenko, T. G. Moroz, M. Y. Nekrasova, S. P. Nechvalenko, I. A. Skalskaya, T. G. Kharchenko, and A. A. Protasov. 1994. The place of species in ecosystem. In: Y. I. Starobogatov (ed.) *Freshwater Zebra Mussel Dreissena polymorpha* (Pall.) (Bivalvia, Dreissenidae). Systematic, Ecology, Practical Meaning, pp. 180-195. Nauka Press, Moscow (in Russian).
- Karatayev, A. Y., and L. E. Burlakova. 1995. Present and further patterns in *Dreissena polymorpha* (Pallas) population development in the Narochanskaya lakes system. *Vestsi Akademii Navuk Belarusi*. Seriya biyalagichnikh navuk 3: 95-99 (in Belarussian).
- Karatayev, A. Y., and L. E. Burlakova. 1995. The role of *Dreissena* in lake ecosystems. *Russian Journal of Ecology* 26(3): 207-211. Translated from *Ecologiya* 26(3), 1995, pp. 232-236. (in English).
- Karatayev, A. Y., V. M. Samoilenko, L. E. Burlakova, Z. K. Kartashevich, and A. N. Rachevskij. 1995. Recommendations for the Restoration of Lakes under Strong Anthropogenic Influence. Belgosuniversitet Press, Minsk. 73 p. (in Russian).
- Karatayev, A. Y., L. E. Burlakova, I. A. Rudakovskiy, and Z. K. Kartashevich. 1996. Radioactive contamination of Belarussian lakes. In: T. V. Belookaya et al. (eds.) *Ecological anthropology*. Annual issue, pp. 46-58. Belarussian Committee "Deti Chernobilya" Press, Minsk (in Russian with English summary).
- Molloy, D. P., A. Y. Karatayev, L. E. Burlakova, D. P. Kurandina, and F. Laruelle. 1997. Natural Enemies of Zebra Mussels: Predators, Parasites and Ecological Competitors. *Reviews in Fisheries Science* 5(1): 27-97.
- Karatayev, A. Y., L. E. Burlakova, and D. K. Padilla. 1997. The effect of *Dreissena polymorpha* (Pallas) invasion on aquatic communities in Eastern Europe. *Journal of Shellfish Research* 16(1): 187-203.
- Burlakova, L. E., A. Y. Karatayev, and D. P. Molloy. 1998. Field and laboratory studies of zebra mussel (*Dreissena polymorpha*) infection by the ciliate *Conchophthirus acuminatus* in the Republic of Belarus. *Journal of Invertebrate Pathology* 71(3): 251-257.
- Burlakova, L. E. 1998. Ecology of mussel *Dreissena polymorpha* (Pallas) and its role in structure and function of aquatic ecosystems. Candidate Dissertation, Zoology Institute of the Academy of Science Republic Belarus, Minsk, Belarus, 168 pp. (in Russian with English abstract).
- Karatayev, A. Y., L. E. Burlakova, and D. K. Padilla. 1998. Physical factors that limit the distribution and abundance of *Dreissena polymorpha* (Pall.). *Journal of Shellfish Research* 17(4): 1219-1235.
- Karatayev, A. Y., L. E. Burlakova, and D. P. Molloy. 2000. Seasonal dynamics of *Conchophthirus acuminatus* (Ciliophora, Conchophthiridae) infection in *Dreissena polymorpha* and *D. bugensis* (Bivalvia, Dreissenidae). *European Journal of Protistology*. 36, pp. 397-404.
- Karatayev, A. Y., L. E. Burlakova, D. P. Molloy, and L. K. Volkova. 2000. Endosymbionts of *Dreissena polymorpha* (Pallas) in Belarus. *International Review of Hydrobiology*. 85(5-6), pp. 543-559.
- Burlakova, L. E., A. Y. Karatayev, and D. K. Padilla. 2000. The impact of *Dreissena polymorpha* (Pallas) invasion on unionid bivalves. *International Review of Hydrobiology*. 85(5-6). pp. 529-541.
- Kraft C. E., P. J. Sullivan, A. Y. Karatayev, L. E. Burlakova, J. C. Nekola, L. E. Johnson, and D. K. Padilla. 2002. Landscape patterns of an aquatic invader: assessing dispersal extent from spatial distributions. *Ecological Applications* – 12(3): 749-759.
- Karatayev, A. Y., L. E. Burlakova, D. P. Molloy, L. K. Volkova, and V. V. Volosyuk. 2002. Field and laboratory studies of *Ophryoglena* sp. (Ciliata: Ophryoglenidae) infection in zebra mussels, *Dreissena polymorpha* (Bivalvia: Dreissenidae) *Journal of Invertebrate Pathology* 79(2002): 80-85.
- Karatayev, A. Y., L. E. Burlakova and D. K. Padilla. 2002. Impacts of Zebra Mussels on aquatic communities and their role as ecosystem engineers. In: Leppäkoski, E., S. Gollasch and S. Olenin (eds). *Invasive Aquatic Species of Europe - Distribution, Impacts and Management*. Kluwer Academic Publishers, Dordrecht, The Netherlands, pp 433-446.

- Karatayev A. Y., S. E. Mastitsky, L. E. Burlakova, D. P. Molloy, and G. G. Vezhnovets. 2003. Seasonal dynamics of endosymbiotic ciliates and nematodes in *Dreissena polymorpha*. *Journal of Invertebrate Pathology* 83 (1): 73-82.
- Karatayev, A. Y., S. E. Mastitsky, D. P. Molloy, and L. E. Burlakova. 2003. Patterns of emergence and survival of *Conchophthirus acuminatus* (Ciliophora: Conchophthiridae) from *Dreissena polymorpha* (Bivalvia: Dreissenidae). *Journal of Shellfish Research* 22(1): 495-500.
- Karatayev A. Y., L. E. Burlakova, T. Kesterton, and K. Padilla. 2003. Dominance of the Asiatic clam, *Corbicula fluminea* (Müller) in the benthic community of a reservoir. *Journal of Shellfish Research* 22(2): 487-493.
- Karatayev A.Y., L. E. Burlakova, D. K. Padilla, and L. E. Johnson. 2003. Patterns of spread of the zebra mussel (*Dreissena polymorpha* (Pallas)): the continuing invasion of Belarussian lakes. *Biological Invasions*. 5(3): 213-221.
- Howells, R. G., J. B. Wise, A. Y. Karatayev, and L. E. Burlakova. 2004. New "old records" of Asian clam *Corbicula fluminea* in Texas. *Ellipsaria* 6(3):11. (Scientific note).
- Karatayev, A. Y., L. E. Burlakova, and D. K. Padilla. 2005. Contrasting distribution and impacts of two freshwater exotic suspension feeders, *Dreissena polymorpha* and *Corbicula fluminea*. In: R. Dame and S. Olenin (eds.) *The Comparative Roles of Suspension Feeders in Ecosystems*. NATO Science Series: IV – Earth and Environmental Sciences. Springer, pp 239-262.
- Burlakova, L. E., A. Y. Karatayev, and D. K. Padilla. 2005. Functional changes in benthic freshwater communities after *Dreissena polymorpha* (Pallas) invasion and consequences for filtration. In: R. Dame and S. Olenin (eds.) *The Comparative Roles of Suspension Feeders in Ecosystems*. NATO Science Series: IV – Earth and Environmental Sciences. Springer, pp 263-275.
- Karatayev, A. Y., R. G. Howells, L. E. Burlakova, and B. D. Sewell. 2005. History of spread and current distribution of *Corbicula fluminea* (Müller) in Texas. *Journal of Shellfish Research* 24(2): 553-559.
- Karatayev A. Y., L. E. Burlakova, and S. I. Dodson. 2005. Community analysis of Belarussian lakes: relationship of species diversity to morphology, hydrology, and land use. *Journal of Plankton Research*. 27(10): 1045-1053.
- Burlakova, L. E., D. K. Padilla, A.Y. Karatayev, and D. Minchin. 2006. Endosymbionts of *Dreissena polymorpha* in Ireland: evidence for the introduction of adult mussels. *Journal of Molluscan Studies*. 72: 207-210.
- Karatayev, A.Y., L. E. Burlakova, and D. K. Padilla. 2006. Growth rate and longevity of *Dreissena polymorpha* (Pallas): a review and recommendations for future study. *Journal of Shellfish Research*. 25(1): 23-32.
- Burlakova, L. E., A. Y. Karatayev, and D. K. Padilla. 2006. Changes in the distribution and abundance of *Dreissena polymorpha* within lakes through time. *Hydrobiologia*. 571:133–146.
- Howells, R. G., L. E. Burlakova, A. Y. Karatayev, R. K. Marfurt, and R. L. Burks. 2006. Native and introduced Ampullaridae in North America: history, status, and ecology. In: R. C. Joshi, L. S. Sebastian, eds. *Global Advances in Ecology and Management of Golden Apple Snails*. Philippine Rice Research Institute (PhilRice), Philippines. 73-112.
- Karatayev, A. Y., D. K. Padilla, D. Minchin, D. Boltovskoy, and L. E. Burlakova. 2007. Changes in global economies and trade: the potential spread of exotic freshwater bivalves. *Biological Invasions*. 9:161–180.
- Karatayev, A. Y., D. Boltovskoy, D. K. Padilla, and L. E. Burlakova. 2007. The invasive bivalves *Dreissena polymorpha* and *Limnoperna fortunei*: parallels, contrasts, potential spread and invasion impacts. *Journal of Shellfish Research*. 26 (1): 205-213.
- Burlakova, L. E., and A. Y. Karatayev. 2007. The effect of invasive macrophytes and water level fluctuations on unionids in Texas impoundments. *Hydrobiologia*. 586: 291-302.
- Karatayev, A. Y., L. E. Burlakova, D. P. Molloy, and S. E. Mastitsky. 2007. *Dreissena polymorpha* and *Conchophthirus acuminatus*: What can we learn from host-commensal relationships. *Journal of Shellfish Research*. 26:1153-1160.
- Karatayev, A. Y., L. E. Burlakova, S. E. Mastitsky, and S. Olenin. 2008. Past, current, and future of the Central European Corridor for aquatic invasions in Belarus. *Biological Invasions*. 10: 215-232.
- Karatayev, A. Y., L. E. Burlakova, and S. I. Dodson. 2008. Community analysis of Belarussian lakes: correlations of species diversity with hydrochemistry. *Hydrobiologia*. 605: 99-112.
- Burlakova, L. E., A. Y. Karatayev, D. K. Padilla, L. D. Cartwright, and D. N. Hollas. 2009. Wetland restoration and invasive species: applesnail (*Pomacea insularum*) feeding on native and invasive aquatic plants. *Restoration Ecology*. 17(3): 433-440.

- Karatayev, A. Y., L. E. Burlakova, V. A. Karatayev, and D. K. Padilla. 2009. Introduction, distribution, spread, and impacts of exotic freshwater gastropods in Texas. *Hydrobiologia* 619: 181-194.
- Karatayev, A. Y., L. E. Burlakova, D. K. Padilla, S. E. Mastitsky, S. Olenin. 2009. Invaders are not a random selection of species. *Biological Invasions* 11: 2009-2019.
- Boltovskoy, D., A. Karatayev, L. Burlakova, D. Cataldo, V. Karatayev, F. Sylvester, and A. Mariñelarena. 2009. Significant ecosystem-wide effects of the swiftly spreading invasive freshwater bivalve *Limnoperna fortunei*. *Hydrobiologia* 636: 271-284.
- Burlakova, L. E., D. K. Padilla, A. Y. Karatayev, D. N. Hollas, L. D. Cartwright, and K. D. Nichol. 2010. Differences in population dynamics and potential impacts of a freshwater invader driven by temporal habitat stability. *Biological Invasions* 12(4): 927-942.
- Mastitsky, S. E. A. Y. Karatayev, L. E. Burlakova, and B. V. Adamovich. 2010. Non-native fishes of Belarus: diversity, distribution, and risk classification using the Fish Invasiveness Screening Kit (FISK). *Aquatic Invasions* 5(1): 103-114. http://www.aquaticinvasions.ru/2010/AI_2010_5_1_Mastitsky_etal.pdf
- Molloy, D. P., L. Giamberini, L. E. Burlakova, A. Y. Karatayev, J. R. Cryan, S. L. Trajanovski, and S. P. Trajanovska. 2010. Investigation of the endosymbionts of *Dreissena stankovici* with morphological and molecular confirmation. Chapter 23 in G. van der Velde, S. Rajagopal and A. bij de Vaate (eds), *The Zebra Mussel in Europe*. Backhuys Publishers, Leiden/Margraf Publishers, Weikersheim. p. 227-238.
- Karatayev, A. Y., L. E. Burlakova, and D. K. Padilla. 2010. *Dreissena polymorpha* in Belarus: history of spread, population biology, and ecosystem impacts. Chapter 9 in G. van der Velde, S. Rajagopal and A. bij de Vaate (eds), *The Zebra Mussel in Europe*. Backhuys Publishers, Leiden/ Margraf Publishers, Weikersheim. p. 101-112.
- Mastitsky, S. E., A. Y. Karatayev, L. E. Burlakova, and D. P. Molloy. 2010. Parasites of exotic species in invaded areas: does lower diversity mean lower epizootic impact? *Diversity and Distributions* 16: 798–803.
- Karatayev, A. Y., L. E. Burlakova, V. A. Karatayev, and D. Boltovskoy. 2010. *Limnoperna fortunei* vs. *Dreissena polymorpha*: Population densities and benthic community impacts of two invasive freshwater bivalves. *Journal of Shellfish Research* 29(4): 975-985.
- Karatayev, A. Y., S. E. Mastitsky, D. K. Padilla, L. E. Burlakova, and M. M. Hajduk. 2011. Differences in growth and survivorship of zebra and quagga mussels: size matters. *Hydrobiologia* 668(1):183-194.
- Burlakova, L. E., Karatayev, A. Y. Karatayev, V. A., M. E. May, Bennett, D. L., and Cook, M. J. 2011. Endemic species: contribution to community uniqueness, effect of habitat alteration, and conservation priorities. *Biological Conservation* 144: 155–165.
- Burlakova, L. E., A. Y. Karatayev, V. A. Karatayev, M. E. May, D. L. Bennett, and M. J. Cook. 2011. Biogeography and conservation of freshwater mussels (Bivalvia: Unionidae) in Texas: Patterns of diversity and threats. *Diversity and Distributions* 17: 393-407.
- Karatayev, A. Y., L. E. Burlakova, S. E. Mastitsky, D. K. Padilla, and E. L. Mills. 2011. Contrasting rates of spread of two congeners, *Dreissena polymorpha* and *Dreissena rostriformis bugensis*, at different spatial scales. *Journal of Shellfish Research* 30(3): 1–9.
- Burlakova, L. E., A. Y. Karatayev, and V. A. Karatayev. 2012. Invasive mussels induce community changes by increasing habitat complexity. *Hydrobiologia* 685(1): 121-134.
- Karatayev, A. Y., T. D. Miller, and L. E. Burlakova. 2012. Long-term changes in unionid assemblages in the Rio Grande, one of the World's top 10 rivers at risk. *Aquatic Conservation: Marine and Freshwater Ecosystems*. 22(2): 206-219.
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- Burlakova, L. E., A. Y. Karatayev, D. Hollas, and L. Cartwright. Applesnail *Pomacea canaliculata*-complex: distribution, density, population dynamics in southeastern Texas and potential threat to rice industry and coastal ecosystems. 14th International Conference on Aquatic Nuisance Species. May, 2006, Key Biscayne, Florida.
- Burlakova, L. E. Current Research Projects: Benthic Diversity and Aquatic Invasive Species. July 2006. Naroch Biological Station, Naroch, Belarus.
- Burlakova, L. E., Karatayev, A. Y., I. Hung, K. Nichol, and A. Camp. Invasive applesnail *Pomacea insularum*: distribution, density, feeding, population dynamics and potential threat to coastal ecosystems and rice industry. Eighth Biennial State of the Bay Symposium "Charting the Course to 2015: People, the Bay, and the Future". Galveston, Texas, January 23-25, 2007.

- Burlakova, L. E., A. Y. Karatayev, D. Bennett and M. Cook. Diversity of unionid bivalves within major Texas river basins. Big Thicket Science Conference, March 22-25, 2007, Beaumont, Texas.
- Burlakova, L. E. Invasive applesnail *Pomacea insularum*: What have we learned after 3 years of study? Invited Seminar. April 13, 2007. University of Florida/IFAS/Department of Fisheries and Aquatic Sciences, Gainesville, Florida.
- Burlakova, L. E., Karatayev, A. Y., Bennett, D. B., and M. J. Cook. Diversity, ecosystem functions, and major threats to freshwater mussels (Unionidae) in Texas. South Central Regional Chapter (Setac) and Texas River and Reservoir Management Society (Trrms) Joint Meeting, May 17-19, 2007, Nacogdoches, TX.
- Burlakova, L. E. *Pomacea insularum*: spread, distribution, feeding and population dynamics in Texas. Invited Seminar. June 13, 2007. University of Wisconsin – Madison, Center for Limnology, Trout Lake Station, Wisconsin.
- Burlakova, L. E., Karatayev, A. Y., I. Hung, K. Nichol, and D. Padilla. Distribution, density, and population dynamics of invasive applesnail *Pomacea insularum* in Southeast Texas. 15th International Conference on Aquatic Nuisance Species. September, 2007, Nijmegen, Netherlands.
- Burlakova, L. E. Analysis of Benthic Communities using Non-metric Multivariate Methods in PRIMER software. Great Lakes Center and Biology Department Seminar. December 6, 2007.
- Burlakova, L. E., Karatayev, A. Y., Karatayev, V. A. The effect of zebra mussel invasion on benthic communities of Wisconsin lakes and consequences for ecosystem functioning. 30th Wisconsin Lakes Convention, Green Bay, WI, April 17-19, 2008.
- Burlakova, L. E., and Karatayev, A. Y. The effect of zebra mussel invasion on benthic communities in North American and European Lakes. IAGLR's 51st Annual Conference on Great Lakes Research (The International Association for Great Lakes Research), May 19 – 23, 2008, Trent University, Peterborough, Ontario.
- Burlakova, L. E., Karatayev, A. Y., Vander Zanden, J. M., and R. C. Lathrop. Temporal and spatial variability in zoobenthos: application to long-term community changes. 2008 American Society of Limnology and Oceanography Summer Meeting, 8-13 June 2008, St. John's, Newfoundland and Labrador, Canada.
- Burlakova, L. E., Karatayev, A. Y., Vander Zanden, J. M., and R. C. Lathrop. Temporal and spatial variability in zoobenthos: application to long-term community changes in Lake Mendota. Invited talk at the Cornell University Biological Field Station, Bridgeport, NY. June 17, 2008.
- Burlakova, L. E., Karatayev, A. Y., Karatayev, V. A. Effect of invasive bivalves *Dreissena polymorpha* and *Limnoperna fortunei* on benthic communities. 16th International Conference on Aquatic Nuisance Species. April 19-23 2009, Montreal, Canada.
- Burlakova, L. E., Karatayev, A. Y., D. Boltovskoy, Karatayev, V. A., Cataldo, D., and Sylvester, F. *Limnoperna fortunei*: The new potential invader to the Great Lakes. 52st Annual Conference on Great Lakes Research. The International Association for Great Lakes Research, May 18 - 22, 2009, Toledo, OH.
- Burlakova, L. E., Karatayev, A. Y. SWG-funded survey of freshwater mussels Unionidae in Texas: long-term trends in diversity and status of rare and endemic species. Invited talk at the Texas Parks and Wildlife Department, Austin, Texas. May 4, 2009.
- Burlakova, L. E., Karatayev, A. Y., Karatayev, V. A., May, M. Survey of freshwater molluscs in Texas: new discoveries. 10th Annual 2009 Faculty and Staff Research and Creativity Fall Forum, Buffalo State College, October 29, 2009. Poster.
- Burlakova, L. E., Karatayev, A. Y., Hollas, D. N., Ngoen-klan, R., Perrelli, M., and K. Irvine. Spread of aquatic invasive species: survey of applesnail *Pomacea insularum* in southeastern Texas. 10th Annual 2009 Faculty and Staff Research and Creativity Fall Forum, Buffalo State College, October 29, 2009. Poster.
- Burlakova, L. E., Karatayev, A. Y. Unionidae diversity and rarity in Texas. The Texas Parks and Wildlife Department Freshwater Mussel Meeting. January 7, 2010. Invited Talk.
- Burlakova, L. E., Karatayev, A. Y., Pennuto, C., Mastitsky, S.E., Hajduk, M.M., Basiliko, C.P. and Conroy, J. Dominance of exotic invertebrates changes the structure of the Lake Erie benthic community. 53rd Annual Conference on Great Lakes Research. The International Association for Great Lakes Research, May 17 – 21, 2010, Toronto, ON.
- Burlakova, L. E., Karatayev, A. Y., Karatayev, V. A., and M. E. May. Patterns of diversity, rarity and endemism: conservation priorities for freshwater bivalves (Fam. Unionidae) in Texas. 2010 American Association of Limnology and Oceanography ASLO/NABS Summer Meeting, June 6-10, 2010, Santa Fe, NM.
- Burlakova, L. E., Karatayev, A. Y., Pennuto, C.M. Exotic invertebrates alter benthic community in the Lake Erie. 17th International Conference on Aquatic Nuisance Species. August 29-September 2, 2010, San Diego, CA.

- Burlakova, L. E. Endemic freshwater mussels (Bivalvia: Unionidae): contribution to community uniqueness, effect of habitat alteration, and conservation priorities in Texas. Evolution, Ecology and Behavior Graduate Program, University at Buffalo. September 17, 2010 (Invited Seminar).
- Burlakova, L. E. A century of change in a lake benthic community (Lake Mendota, Wisconsin). NOAA Great Lakes Environmental Research Laboratory. Ann Arbor, MI, November 12, 2010 (Invited Seminar).
- Burlakova, L. E., A. Y. Karatayev, V. A. Karatayev, M. E. May, D. L. Bennett, and M. J. Cook. Biogeography and conservation of freshwater mussels (Bivalvia: Unionidae): drivers of diversity and threats. 7th Biennial Symposium of the Freshwater Mollusk Conservation Society, April 11 – 15, 2011. Louisville, Kentucky.
- Burlakova, L. E., Lucy, F. E., A. Y. Karatayev, S. E. Mastitsky, and D. T. Zanatta. *Dreissena* impacts on Unionida: A synthesis of trends in North America and Europe. 54th Annual Conference on Great Lakes Research. May 30 – June 3, 2011, Duluth, Minnesota.
- Burlakova, L. E., and A. Y. Karatayev. Biogeography and conservation of freshwater mussels (Bivalvia: Unionidae) in Texas. IV International Scientific Conference "Lake Ecosystems: Biological Processes, Anthropogenic Transformation, Water Quality", September 12-17, 2011, Minsk-Naroch, Belarus.
- Burlakova, L. E., Tulumello, B. L., A. Y. Karatayev, and D. T. Zanatta. *Dreissena* impacts on Unionidae: recent trends in Lake Erie. 55th Annual Conference on Great Lakes Research. May 13-17, 2012, Cornwell, Ontario, Canada.
- Burlakova, L. E. *Dreissena* impacts on Unionidae: general trends in North America and Europe and recent findings from Lake Erie and St. Clair. Invited talk at the Cornell University Biological Field Station, Bridgeport, NY. July 20, 2012.
- Burlakova, L., Karatayev, A. Biogeography and conservation of freshwater mussels (Bivalvia: Unionidae) in Texas: drivers of diversity and threats. International Meeting on Biology and Conservation of Freshwater Bivalves, Braganca, Portugal, 4-7 September 2012.
- Burlakova, L., Karatayev, A., Zanatta, D., Tulumello, B., Lucy, F., and S. Mastitsky. *Dreissena* impacts on Unionidae: general trends in North America and Europe and recent findings from Lake Erie. International Meeting on Biology and Conservation of Freshwater Bivalves, Braganca, Portugal, 4-7 September 2012. Poster.
- Burlakova, L., Karatayev, A., Bossenbroek, J. M., Zanatta, D., Tulumello, B. L., Krebs, R. A., Paterson, W., and T. Griffith. Unionid community of southern Lake Ontario: locating existing refuges and assessing dreissenid impacts. 8th Biennial Symposium of the Freshwater Mollusk Conservation Society, April 10 – 15, 2013. Guntersville, Alabama.
- Burlakova, L. E., A. Y. Karatayev, B. Tulumello, D. Zanatta, F. Lucy, S. E. Mastitsky. *Dreissena* impacts on Unionidae: general trends in North America and Europe and recent findings from the lower Great Lakes. 18th International Conference on Aquatic Invasive Species. April 21-25, 2013, Niagara Falls Ontario, Canada.
- Burlakova, L. E., Karatayev, A. Y., J. Bossenbroek, D. T. Zanatta, B. Tulumello, R. A. Krebs, W. Paterson, and T. Griffith. Assessing unionid refuges and dreissenid impacts in the lower Great Lakes. 56th Annual Conference on Great Lakes Research. June 3 – 6, 2013, West Lafayette, Indiana.
- Burlakova, L. E., Karatayev, A. Y., B. Tulumello, D. Zanatta, F. Lucy, S. E. Mastitsky. "*Dreissena* impacts on Unionidae: a synthesis of trends in North America and Europe and recent findings from the lower Great Lakes". World Congress of Malacology, July 21-28, 2013, Ponta Delgada, Azores, Portugal.
- Burlakova, L. E., A. Y. Karatayev, C. Pennuto, and C. Mayer. Changes in Lake Erie benthos over the last 50 years: historical perspectives, current status, and main drivers. Seventh Biennial Meeting of the Lake Erie Millennium. The Status of Lake Erie: Management Needs and Research Questions. October 29-31, 2013. University of Windsor, Windsor, Canada.
- Burlakova, L. E., Karatayev, A. Y. Biogeography and conservation of freshwater mussels (Bivalvia: Unionidae): drivers of diversity and threats in Texas". Berry College Biology Seminar, Berry College, Rome, Georgia, February 4, 2014.
- Burlakova, L. E., A. Y. Karatayev, C. Pennuto, and C. Mayer. Changes in Lake Erie benthos over the last 50 years: historical perspectives, current status, and main drivers. 57th Annual Conference on Great Lakes Research. May 26-30, 2014, Hamilton, Ontario, Canada.
- Burlakova, L. E., B. L. Tulumello, Al. Y. Karatayev, R. A. Krebs, D. W. Schloesser, W. L. Paterson, T. A. Griffith, M. W. Scott, T. Crail, and D. T. Zanatta. Changed impact of *Dreissena* spp. on native Unionidae in the lower Great Lakes: dreissenid species matters. 15th World Lake Conference, September 1-5, 2014, Perugia, Italy.
- Burlakova, L. E., A. Y. Karatayev, and R. P. Barbiero. Dynamics of the Oligochaete Trophic Index in Great Lakes, 1997-2011. Invited talk presented February 12, 2015 at EPA Great Lakes National Program Office, Chicago.

- Burlakova, L. E., A. Y. Karatayev, B. L. Tulumello, D. T. Zanatta, R. A. Krebs, D. W. Schloesser, F. E. Lucy, and S. E. Mastitsky. Impacts of dreissenid invasion on native unionid communities: a synthesis of trends in North America and Europe. ASLO Aquatic Sciences Meeting. February 2015, Granada, Spain.
- Burlakova, L. E., A. Y. Karatayev, R. P. Barbiero, and S. E. Daniel. Integrating environmental effects of multiple stressors in the Great Lakes: dynamics of Oligochaete Trophic Index. 58th Annual Conference on Great Lakes Research. May 25-29, 2015, Burlington, Vermont.
- Burlakova, L. E., A. Y. Karatayev, and R. P. Barbiero. Dynamics of the Oligochaete Trophic Index in Great Lakes, 1997-2011. Invited talk presented February 12, 2015 at EPA Great Lakes National Program Office, Chicago.
- Burlakova, L. E., A. Y. Karatayev, S. Daniel, and R. P. Barbiero. Integrating environmental effects of multiple stressors in the Great Lakes: drivers and dynamics of Oligochaete Trophic Index. Invited talk at the Cornell University Biological Field Station, Bridgeport, NY. June 18, 2015.
- Burlakova, L. E., A. Y. Karatayev, S. Daniel, and R. P. Barbiero. Integrating environmental effects of multiple stressors in the Great Lakes: drivers and dynamics of Oligochaete Trophic Index. Invited talk at the Case Western Reserve University Seminar, Cleveland, OH. July 13, 2015.
- Burlakova, L. E., Karatayev, A. Y., Tulumello, B. L., Krebs, R., Zanatta, D., Schloesser, D. W., Paterson, W. L., Griffith, T., Scott, M. W., Crail, T. Competitive replacement of invasive congeners may relax impact on native species: interactions among zebra, quagga, and native unionid mussels. Ecological Society of America, 100th Annual Meeting, Baltimore, August 9 – 14, 2015.
- Burlakova, L. E., A.Y. Karatayev, V.A. Karatayev, T. Miller, M. F. Perrelli. Conservation of endangered unionids in high-flowing fragmented rivers: Historical changes and metapopulation dynamics of the Rio Grande endangered endemic *Popenaias popeii*. Second International Meeting on Biology and Conservation of Freshwater Bivalves. Buffalo, USA, 4–8 October, 2015.
- Burlakova, L. E., A. Y. Karatayev, and T. Miller. Long-term decline of *Popenaias popeii* in the Rio Grande drainage, Texas. Invited talk at the Expert Meeting for Species Status Assessments under the Endangered Species Act. U.S. Fish and Wildlife Service, Austin, Texas. October 26-27, 2015.
- Burlakova, L. E., A. Y. Karatayev, and R. P. Barbiero. Spatial and temporal changes in Great Lakes benthic communities, 1997-2013. Invited talk presented February 17, 2016 at EPA Great Lakes National Program Office, Chicago.
- Burlakova, L. E., R. P. Barbiero, A. Y. Karatayev, and S. E. Daniel. What's on the bottom? Spatial gradients and temporal changes in Great Lakes benthic communities. 59th Annual Conference on Great Lakes Research. June 6-10, 2016, Guelph, Ontario, CA.
- Burlakova, L., A. Karatayev, S. Daniel, and R. Barbiero. Benthic community of Laurentian Great Lakes: spatial gradients and temporal changes. XXXIII Congress of the International Society of Limnology, 31 July-5 August 2016, Turin, Italy.
- Burlakova, L., Karatayev, A., Daniel, S. Long-Term Benthic Monitoring of Laurentian Great Lakes. 17th Annual Faculty/Staff Research and Creativity Fall Forum, Buffalo State College, October 27, 2016 (poster).
- Burlakova, L. E., R. P. Barbiero, A. Y. Karatayev, and S. E. Daniel. Factors affecting spatial and temporal patterns in benthic communities across the Laurentian Great Lakes. American Society of Limnology and Oceanography 2017 Aquatic Sciences Meeting, Honolulu, HI, February 27-March 3, 2017.
- Burlakova, L. E., A. Y. Karatayev. Interactions between unionids and dreissenids: Lessons learned. 10th Biennial Symposium of the Freshwater Mollusk Conservation Society, March 26 – 30, 2017, Cleveland, Ohio.
- Burlakova, L. E., K. E. Kovalenko, K. L. Schmude, R. Barbiero, A. Y. Karatayev, and B. M. Lesht. Developing water quality indices based on Great Lakes benthos: traditional and modeling approaches. 60th Annual Conference on Great Lakes Research. May 15 - 19, 2017, Detroit, Michigan, USA.
- Burlakova, L.E., Karatayev, A.Y., Mehler, K., and Karatayev, V.A., Hinchey, E. Spatial patterns of emerging mussel reefs in the Laurentian Great Lakes and consequences for ecosystems. Ecological Society of America 102nd Annual Meeting, Portland, OR, August 6 - 11, 2017.
- Burlakova, L.E., Karatayev, A.Y., and Daniel, S. Effect of *Dreissena* on benthos of Laurentian Great Lakes. 20th International Conference on Aquatic Invasive Species. Fort Lauderdale, FL. October 22-26, 2017.
- Burlakova, L. E. The impact of *Dreissena* on native unionid bivalves in Europe and North America: lessons learned. 2nd Biennial Canadian Freshwater Mollusc Research Meeting. Canada Centre for Inland Waters, Burlington, ON, Canada. November 8-9, 2017. Plenary talk.

- Burlakova, L., A. Y. Karatayev, D. Schloesser, M. Stapanian. Trends in Lake Erie benthos: 1930-2014. 61st Annual Conference on Great Lakes Research. June 18 - 22, 2018, Toronto, Canada.
- Burlakova, L. E., Barbiero, R. P., Karatayev, A. Y., Daniel, S. E., and E. K. Hinchey. Long-term biological monitoring of the Laurentian Great Lakes: spatial and temporal patterns in benthic communities. International Conference "Big Lakes, Small World", European Large Lakes Symposium and International Association for Great Lakes Research (ELLS-IAGLR-2018), September 23-28, 2018, Evian (France).

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- Karatayev, A. Y., P. A. Mitrakhovich, G. G. Vezhnovets, and L. E. Burlakova. 1991. Comprehensive study of ecosystem of a lake subject to various forms of human activity. Abstracts of 6th Congress of the All-Union Hydrobiological Society. Murmansk, USSR. pp. 174-175. (in Russian).
- Karatayev, A. Y., and L. E. Burlakova. 1991. The changes in trophic structure of planktonic and benthic communities of invertebrates as a method to control the lake ecosystem. Methods of study and using of aquatic ecosystems. Abstracts of All-Union Conference. Riga, Latvia, pp. 58-59. (in Russian).
- Karatayev, A. Y., I. A. Rudakovskiy, and L. E. Burlakova. 1993. Radioecological situation in lakes of Mogilev Region. Abstracts of International Conference "Science and Medicine - for Chernobyl". November 10-13, 1993. Minsk, Belarus. pp. 136-137. (in Russian).
- Karatayev, A. Y., and L. E. Burlakova. 1994. Development of *Dreissena* in lakes of various biolimnological types. Abstracts of the 1st International Conference. Ryazan, Russia. Publish. Ryazanskij State University (in Russian).
- Burlakova, L. E. 1994. The effect of zebra mussels on the chemical composition of water (results of field studies and laboratory experiments). Abstracts of the 1st International Conference, Ryazan, Russia. Publish. Ryazanskij State University (in Russian).
- Burlakova, L. 1995. The relationship between *Dreissena* and other benthic animals. Abstracts of the 5th International Zebra Mussel and other Nuisance Aquatic Organisms Conference. February 14-21, 1995. Toronto, Ontario. p. 109.
- Molloy, D. P., A. Karatayev, L. Burlakova, D. Kurandina, and S. Fokin. 1995. Ciliate parasites of European Zebra Mussels. Abstracts of the 5th International Zebra Mussel and other Nuisance Aquatic Organisms Conference. February 14-21, 1995. Toronto, Ontario. p. 92. (in English)
- Karatayev, A., and L. Burlakova. 1996. Zebra mussel growth under different conditions. Abstracts of the 6th International Zebra Mussel and other Aquatic Nuisance Species Conference. March 5-7, 1996. Detroit. p. 74.
- Karatayev, A. Y., and L. E. Burlakova. 1997. Growth rates of the Zebra mussel under different abiotic conditions. Abstracts of the 62nd Annual Meeting of American Malacological Union. June 29 - July 3, 1996. Chicago. p.41.
- Karatayev, A. Y., and L. E. Burlakova. 1997. History and current geographic pattern and rate of spread of *Dreissena polymorpha* in Belarus, Former Soviet Union. Abstracts of the 7th International Zebra Mussel and Aquatic Nuisance Species Conference. January 28-31, 1997. New Orleans. p. 11.
- Padilla, D. K., A. Y. Karatayev, and L. E. Burlakova. 1997. Identifying macro-variable indicators of the invasibility of zebra mussels. Abstracts of the 7th International Zebra Mussel and Aquatic Nuisance Species Conference. January 28-31, 1997. New Orleans. p. 101.
- Karatayev, A. Y., and L. E. Burlakova. 1997. History and current geographic pattern, and rate of spread of *Dreissena polymorpha* in Belarus, Former Soviet Union. Abstracts of Second Northeast Conference on Nonindigenous Aquatic Species in Burlington. April 18-19, 1997. Burlington, Vermont. p.43.
- Molloy, D. P., A. Y. Karatayev, L. E. Burlakova, D. P. Kurandina, and F. Laruelle. 1998. Natural enemies of zebra mussels: predators, parasites and ecological competitors. Abstracts of the 2nd Northeast Conference on Nonindigenous Aquatic Species in Burlington. April 18-19, 1997. Burlington, Vermont. p.42.
- Baier, R. E., D. P. Molloy, A. E. Meyer, A. Y. Karatayev, L. E. Burlakova, A. A. Ovcharenko, D. P. Kurandina, and T. V. Koroleva. 1997. Effects of substratum properties on zebra mussel colonization. Abstracts of the 40th Annual Conference on Great Lakes Research, 1997.
- Molloy, D. P., A. Y. Karatayev, L. E. Burlakova, M. A. Ovcharenko, D. P. Kurandina, and T. V. Koroleva. 1997. Effects of parasitism on zebra mussel population dynamics. Abstracts of the 40th Annual Conference on Great Lakes Research, 1997.

- Karatayev, A. Y., D. P. Molloy, L. E. Burlakova, D. P. Kurandina, and M. A. Ovcharenko. 1998. Studies of *Dreissena* parasites in the Republic of Belarus, Ukraine, and Russia. Abstracts of the 8th International Zebra Mussel and Aquatic Nuisance Species Conference. March 16-19, 1998. Sacramento.
- Volkova, L. K., A. Y. Karatayev, and L. E. Burlakova. 1998. Effect of *Dreissena* on ichthyopathological status of Belarussian lakes. Abstracts of International Conference "Ecology and Youth". Gomel, Belarus. pp. 81-82. (in Russian)
- Burlakova, L. E., A. Y. Karatayev, and D. K. Padilla. 1999. The impact of zebra mussels on unionids in Belarus: what we have after 200 years of *Dreissena* invasion? Abstracts of the 9th International Zebra Mussel and Aquatic Nuisance Species Conference. April 26-30, 1999. Duluth. p.145.
- Karatayev, A. Y., L. E. Burlakova, and V. M. Samoilenko. 1999. Factors affecting macrozoobenthos of Belarussian lakes. International Conference on Lake Ecosystems. September 20-25, 1999. Naroch - Minsk, Belarus. (in Russian).
- Karatayev, A. Y., L. E. Burlakova, P. A. Mitrakhovich, G. G. Vezhnovets, and E. N. Makritskaya. 1999. Some factors affecting zooplankton of Belarussian lakes. International Conference on Aquatic Ecosystems. November 25-26, 1999. Minsk, Belarus. (in Russian).
- Karatayev, A. Y., L. E. Burlakova, and D. K. Padilla. 1999. Physical factors that limit the distribution and abundance of *Dreissena polymorpha* (Pall.). Abstracts of the 9th International Zebra Mussel and Aquatic Nuisance Species Conference. April 26-30, 1999. Duluth. p.152-153.
- Molloy, D. P., A. Y. Karatayev, L. E. Burlakova, M. A. Ovcharenko, D. P. Kurandina, J. F. Morado, and L. Giamberini. 1999. The natural enemies of zebra and quagga mussels - an update. Abstracts of the 9th International Zebra Mussel and Aquatic Nuisance Species Conference. April 26-30, 1999. Duluth. p. 83.
- Karatayev, A. Y., L. E. Burlakova, and D. K. Padilla. 1999. The ecological effect of *Dreissena polymorpha* (Pallas) invasion. Abstracts of 16th Baltic Marine Biologists Symposium. June 21-26, 1999. Klaipeda, Lithuania. p.23. (in English).
- Karatayev A. Y., L. E. Burlakova, D. P. Molloy and L. K. Volkova. 1999. Endosymbionts of *Dreissena polymorpha* (Pallas) in Belarus. Abstracts of 16th Baltic Marine Biologists Symposium. June 21-26, 1999. Klaipeda, Lithuania. p.66. (in English).
- Karatayev A., L. Burlakova, D. Padilla. 1999. Abiotic factors that limit the distribution and abundance of Zebra Mussel (*Dreissena polymorpha*). Abstracts of the International Conference on Lake Ecosystems. September 20-25, 1999. Naroch - Minsk, Belarus. p. 86. (in English).
- Burlakova, L. E., and A. Y. Karatayev. 2000. The prediction of the zebra mussel spread in Belarus. Abstracts of the 8th Zoological Conference. March 29, 2000. Minsk, Belarus. Minsk, "Pravo i Economica" Publisher. pp. 215-217. (in Russian).
- Karatayev, A. Y., L. E. Burlakova, G. G. Vezhnovets, I. A. Rudakovskiy, N. M. Lisovskaya, and E. N. Makritskaya. 2000. Developing the Checklists "Limnofauna of Belarus". Abstracts of the 8th Zoological Conference. March 29, 2000. Minsk, Belarus. Minsk, "Pravo i Economica" Publisher. pp. 232-234. (in Russian).
- Karatayev, A. Y., L. E. Burlakova, D. P. Molloy, L. K. Volkova. 2000. Parasites and commensals of *Dreissena*: species composition and ecological significance. Abstracts of the 8th Zoological Conference. March 29, 2000, Minsk, Belarus. Minsk, "Pravo i Economica" Publisher. pp. 230-231. (in Russian).
- Burlakova, L. E., and A. Y. Karatayev. 2000. Recent spread of zebra mussels in the Republic of Belarus. Abstracts of the 10th International Zebra Mussel and Aquatic Nuisance Species Conference, Toronto, Canada. pp. 65.
- Karatayev, A. Y., L. E. Burlakova, L. K. Volkova, and D. P. Molloy. 2000. Field and laboratory studies of zebra mussel infection by the ciliate *Ophryoglena* sp. Abstracts of the 10th International Zebra Mussel and Aquatic Nuisance Species Conference, Toronto, Canada. pp.66.
- Burlakova, L. E., A. Y. Karatayev, and D. K. Padilla. Patterns of spread of the Zebra Mussel: 200-years of continuing invasion in Belarus. 21st International Symposium of the North American Lake Management Society, "2001: A Lake Odyssey – Bridging the Gaps Between Science, Policy and Practice," November 7 – 9, 2001, Madison, WI
- Burlakova L. E., D. P. Molloy, A. Y. Karatayev, D. A. Mayer, and M. J. Gaylo. Evaluation of *Pseudomonas fluorescens* to protect Unionids from zebra mussel infestation. 11th International Conference on Aquatic Nuisance Species. February 25 – March 01, 2002, Alexandria, Virginia.
- Mood, R., A. Karatayev, and L. Burlakova. The impact of *Corbicula fluminea* on zoobenthos. Biodiversity and Ecology of West Gulf Coastal Plain Landscape. Big Thicket Science Conference. October 9 - 12, 2003. Beaumont, Texas.

- Nesterovitch A., A. Karatayev, and L. Burlakova. Growth and reproduction dynamics of *Corbicula fluminea* (Bivalvia) in Lake Nacogdoches, East Texas. Biodiversity and Ecology of West Gulf Coastal Plain Landscape. Big Thicket Science Conference. October 9 - 12, 2003. Beaumont, Texas.
- Burlakova, L. E., Karatayev A. Y., Howells R. G. Factors limiting distribution of unionids in small lakes in Texas. 107th Annual Meeting of the Texas Academy of Sciences. Kerrville, March 4 - 6, 2004
- Burlakova, L., and A. Y. Karatayev. Survey of benthic macroinvertebrates at Texas Army National Guard Facilities Camp Maxey and Camp Swift. 2nd Annual Texas National Guard Natural Resources Conference, May 14 - 16, 2004. Austin, TX.
- Burlakova, L. E., A. Y. Karatayev, and R. G. Howells. Factors limiting distribution of unionids in small lakes in Texas. 107th Annual Meeting of the Texas Academy of Sciences. Kerrville, March 4 - 6, 2004.
- Burlakova, L., and A. Y. Karatayev. Survey of benthic macroinvertebrates at Texas Army National Guard Facilities Camp Maxey and Camp Swift. 2nd Annual Texas National Guard Natural Resources Conference, May 14 - 16, 2004. Austin, TX.
- Minich, O., A. Karatayev, and L. Burlakova. The effect of Macrophytes on zoobenthos community in shallow lakes. Symposium "Natural Resource Management of Military Lands in Texas", Austin, Texas, 2005.
- Burlakova, L. E., A. Y. Karatayev, and D. K. Padilla. Functional Changes in Freshwater Benthic Communities After *Dreissena polymorpha* (Pallas) Invasion. 13th International Conference on Aquatic Nuisance Species. September 20 - 24, 2004. Ennis, Ireland.
- Burlakova, L. E., A. Y. Karatayev, and D. K. Padilla. Distribution and Dynamics of *Dreissena polymorpha* Within and Among Lakes: 12 Years of Observations. 13th International Conference on Aquatic Nuisance Species. September 20 - 24, 2004. Ennis, Ireland.
- Howells, R. G., L. E. Burlakova, and A. Y. Karatayev. Channeled Applesnail: Current US Distribution and Potential Threat to Coastal Ecosystems and Agriculture. 13th International Conference on Aquatic Nuisance Species. September 20 - 24, 2004. Ennis, Ireland.
- Karatayev A. Y., L. E. Burlakova, and D. K. Padilla. Distribution and Impacts of *Dreissena polymorpha* and *Corbicula fluminea*, Two Freshwater Exotic Suspension Feeders. Changes in global economy and trade, and potential spread of exotic freshwater bivalves. 13th International Conference on Aquatic Nuisance Species. September 20 - 24, 2004. Ennis, Ireland.
- Karatayev A. Y., D. K. Padilla, D. Boltovskoy, L. E. Burlakova, and D. Minchin. Changes in global economy and trade, and potential spread of exotic freshwater bivalves. 13th International Conference on Aquatic Nuisance Species. September 20 - 24, 2004. Ennis, Ireland.
- Burlakova, L. E., A. Y. Karatayev, and R. G. Howells. Density and growth rate of freshwater mussels in Texas ponds. 108th Annual Meeting of the Texas Academy of Sciences. March 3 - 5, 2005. Edinburg, Texas.
- Karatayev A. Y., L. E. Burlakova. *Corbicula fluminea* Distribution in Texas. 108th Annual Meeting of the Texas Academy of Sciences. March 3 - 5, 2005. Edinburg, Texas.
- Cartwright L. D., A. Y. Karatayev, L. E. Burlakova, and Hollas D. N. *Pomacea canaliculata* (channeled applesnail) feeding selectivity, reproduction potential, and environmental impact on Texas ecosystems. 108th Annual Meeting of the Texas Academy of Sciences, March 3-5, 2005, Edinburg, TX.
- Hollas D. N., A. Y. Karatayev, L. E. Burlakova, and L. D. Cartwright. Applesnail (*Pomacea canaliculata*) distribution, projected spread and population dynamics on Texas Gulf Coast. 108th Annual Meeting of the Texas Academy of Sciences, March 3-5, 2005, Edinburg, Texas.
- Minich O., A. Y. Karatayev, and L. E. Burlakova. Zoobenthos community in phytoplankton-dominated versus macrophytes-dominated shallow lakes. 108th Annual Meeting of the Texas Academy of Sciences meeting presented at Edinburg, TX. March 3-5, 2005.
- Burlakova, L. E., A. Y. Karatayev, D. K. Padilla, and D. Boltovskoy. Exotic freshwater bivalves as ecosystem engineers. 97th Annual Meeting of National Shellfisheries Association, April 10-14 2005, Philadelphia. p. 16.
- Burlakova, L. E., A. Y. Karatayev, and R. G. Howells. Spatial distribution, density and growth rate of freshwater mussels in Texas ponds. 97th Annual Meeting of National Shellfisheries Association, April 10-14 2005, Philadelphia. p. 17.
- Karatayev A. Y., D. K. Padilla, D. Boltovskoy, L. E. Burlakova, and D. Minchin. Global spread of exotic freshwater bivalves. 97th Annual Meeting of National Shellfisheries Association, April 10-14 2005, Philadelphia.

- Bennett, D. L., L. E. Burlakova, and A. Y. Karatayev. Long-term dynamics of unionid diversity in the Neches River Basin, Texas. 109th Annual Meeting of the Texas Academy of Sciences. March 3 - 5, 2006. Beaumont, Texas.
- Cartwright L. D., L. E. Burlakova, A. Y. Karatayev, and Hollas D. N. Applesnail (*Pomacea canaliculata*-complex) feeding selectivity on wetland macrophytes of southeastern Texas. 109th Annual Meeting of the Texas Academy of Sciences. March 3 - 5, 2006. Beaumont, Texas.
- Hollas D. N., L. E. Burlakova, A. Y. Karatayev, and L. D. Cartwright. Applesnail (*Pomacea canaliculata*-complex) population dynamics and current distribution in upper Texas Gulf Coast region. 109th Annual Meeting of the Texas Academy of Sciences. March 3 - 5, 2006. Beaumont, Texas.
- Karatayev A. Y., D. Boltovskoy, D. K. Padilla, and L. E. Burlakova. Could *Limnoperna fortunei* be worse than *Dreissena polymorpha*? Potential spread and ecosystem impacts. 98th Annual Meeting of National Shellfisheries Association, March 2006, Monterey, California.
- Karatayev, A. Y., L. E. Burlakova, and D. K. Padilla. *Dreissena polymorpha* in Belarus: 200 years of invasion, 70 years of research. 14th International Conference on Aquatic Nuisance Species. May, 2006, Key Biscayne, Florida.
- Cartwright L. D., L. E. Burlakova, A. Y. Karatayev, and Hollas D. N. Applesnail (*Pomacea canaliculata*-complex) feeding selectivity, reproductive potential, and environmental impact on southeastern Texas ecosystems. 14th International Conference on Aquatic Nuisance Species. May, 2006, Key Biscayne, Florida.
- Hollas D. N., L. E. Burlakova, A. Y. Karatayev, and L. D. Cartwright. Applesnail (*Pomacea canaliculata*-complex) distribution, projected spread and population dynamics on the Texas Gulf Coast. 14th International Conference on Aquatic Nuisance Species. May, 2006, Key Biscayne, Florida.
- Karatayev, A. Y., L. E. Burlakova, D. Boltovskoy, and D. K. Padilla. Potential effect of introduction of exotic bivalve *Limnoperna fortunei* on coastal ecosystems. Eighth Biennial State of the Bay Symposium "Charting the Course to 2015: People, the Bay, and the Future". Galveston, Texas, January 23-25, 2007.
- Bennett, D. B., L. E. Burlakova, A. Y. Karatayev and M. J. Cook. Current status and long-term dynamics of unionid bivalves in East Texas. Big Thicket Science Conference, March 22-25, 2007, Beaumont, Texas. P. 14.
- Cook, M. J., L. E. Burlakova, and A. Y. Karatayev. The effect of abiotic parameters on the distribution and density of unionid bivalves in the Brazos, San Antonio, and Sabine river systems. Big Thicket Science Conference, March 22-25, 2007, Beaumont, Texas. P. 16.
- Karatayev, A. Y., L. E. Burlakova, D. Boltovskoy, and D. K. Padilla. Bivalve *Limnoperna fortunei*: another potential invader in Texas. Big Thicket Science Conference, March 22-25, 2007, Beaumont, Texas. P. 25.
- Bennett, D. L., L. E. Burlakova, and A. Y. Karatayev. Trends in diversity and abundance of freshwater unionid bivalves in Texas. South Central Regional Chapter (SETAC) and Texas River and Reservoir Management Society (TRRMS) Joint Meeting, May 17-19, 2007, Nacogdoches, TX.
- Cook, M. J., Burlakova, L. E., and Karatayev, A. Y. Distributional survey of freshwater mussels and their habitats in Brazos, San Antonio and Lower Sabine Rivers. South Central Regional Chapter (SETAC) and Texas River and Reservoir Management Society (TRRMS) Joint Meeting, May 17-19, 2007, Nacogdoches, TX.
- Nichol, K., Burlakova, L. E., Karatayev, A. Y. and I. Hung. Invasive applesnail *Pomacea insularum*: distribution and spread in Texas. South Central Regional Chapter (SETAC) and Texas River and Reservoir Management Society (TRRMS) Joint Meeting, May 17-19, 2007, Nacogdoches, TX.
- Karatayev, V. A., Karatayev, A. Y., Burlakova, L. E., and D. Boltovskoy. Comparing the density and distribution of two invasive bivalves *Limnoperna fortunei* and *Dreissena polymorpha*. South Central Regional Chapter (SETAC) and Texas River and Reservoir Management Society (TRRMS) Joint Meeting, May 17-19, 2007, Nacogdoches, TX.
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- Karatayev, A. Y., L. E. Burlakova, D. K. Padilla, S. Olenin, and S. M. Mastitsky. Invaders are not a random selection of species. Abstracts of 15th International Conference on Aquatic Nuisance Species. September 23-27, 2007, Nijmegen, The Netherlands. P. 178.

- Burlakova L. E., Karatayev, A. Y., I. Hung, K. Nichol, and D. Padilla. Distribution, density, and population dynamics of invasive applesnail *Pomacea insularum* in Southeast Texas. Abstracts of 15th International Conference on Aquatic Nuisance Species. September 23-27, 2007, Nijmegen, The Netherlands. P. 188.
- Burlakova, L. E., Karatayev, A. Y. Zebra Mussel Impacts on Wisconsin's Lakes: The effect of zebra mussel invasion on benthic communities of Wisconsin lakes and consequences for ecosystem functioning. 30th Wisconsin Lakes Convention, Green Bay, WI, April 17-19, 2008. P. 27
- Karatayev, A. Y., Burlakova, L. E. Zebra Mussel Impacts on Wisconsin's Lakes: Long-term dynamics and current status of benthic community of Lake Mendota, and potential effects of Zebra mussels. 30th Wisconsin Lakes Convention, Green Bay, WI, April 17-19, 2008. P. 27.
- Burlakova, L. E., and Karatayev, A.Y. The Effect of Zebra Mussel Invasion on Benthic Communities in North American and European Lakes. IAGLR's 51st Annual Conference on Great Lakes Research (The International Association for Great Lakes Research), May 19 – 23, 2008, Trent University, Peterborough, Ontario. P. 19-20.
- Karatayev, A. Y., Burlakova, L. E., Padilla, D. K., Mastitsky, S. E. and S. Olenin. How freshwater macroinvertebrate invaders differ from native species? IAGLR's 51st Annual Conference on Great Lakes Research (The International Association for Great Lakes Research), May 19 – 23, 2008, Trent University, Peterborough, Ontario. P. 74
- Burlakova, L. E., Karatayev, A. Y., Vander Zanden, J. M., and R. C. Lathrop. Temporal and spatial variability in zoobenthos: application to long-term community changes. 2008 American Society of Limnology and Oceanography Summer Meeting, 8-13 June 2008, St. John's, Newfoundland and Labrador, Canada.
- Karatayev, A. Y., Burlakova, L. E., Padilla, D. K., Mastitsky, S. E., and S. Olenin. Aquatic invaders are not a random selection of species. 2008 American Society of Limnology and Oceanography Summer Meeting, 8-13 June 2008, St. John's, Newfoundland and Labrador, Canada.
- Hajduk, M., Burlakova, L.E., Mastitsky, S.E., and A. Y. Karatayev. Unknown threats: an examination of endosymbions in non-native species. 2009 Great Lakes Research Consortium Student Faculty Conference, March 13-14, 2009. Poster.
- Hajduk, M., Burlakova, L.E., Mastitsky, S.E., and A. Y. Karatayev. Hidden invaders: endosymbionts and parasites of non-native species. Great Lakes Day in Albany. Poster Competition, GLRC Poster Session, Albany, April 28, 2009. Poster.
- Karatayev, A. Y., Karatayev, V. A., Burlakova, L. E., Boltovskoy, D., and D. Cataldo. Could *Limnoperna fortunei* be worse than *Dreissena polymorpha*? Population density and potential impacts. 16th International Conference on Aquatic Nuisance Species. April 19-23 2009, Montreal, Canada. Poster.
- Mastitsky, S. E., Hajduk, M., Karatayev, A. Y., and Burlakova, L. E. Parasites of Exotic Molluscs in the Lake Erie and Lake Ontario Watersheds. 10th Annual 2009 Faculty and Staff Research and Creativity Fall Forum, Buffalo State College, October 29, 2009. Poster.
- Mastitsky, S. E., Snyder, E., Burlakova, L. E., and Karatayev, A. Y. Case Study on the Population Biology of the New Zealand Mud Snail in Western New York. 10th Annual 2009 Faculty and Staff Research and Creativity Fall Forum, Buffalo State College, October 29, 2009. Poster.
- Mastitsky, S. E., Burlakova, L. E., and Karatayev, A. Y. Quagga Mussel Demonstrates Higher Growth and Survival Rates than Zebra Mussel under Experimental Conditions. 10th Annual 2009 Faculty and Staff Research and Creativity Fall Forum, Buffalo State College, October 29, 2009. Poster.
- Hajduk, M., Mastitsky, S.E., Burlakova, L.E., and A. Y. Karatayev. Assessing potential threats: Parasitological surveys of Great Lakes non-native species. 2010 Great Lakes Research Consortium 20th Student Faculty Conference, March 19-20, 2010. Oral presentation. Outstanding Paper Award and a Prize in memory of Dr. Donald Rennie.
- Karatayev, V. A., Karatayev, A. Y., Burlakova, L. E., and D. K. Padilla. In spite of *Dreissena r. bugensis* dominance, *D. polymorpha* retains a strong potential to invade from the Great Lakes. 2010 Great Lakes Research Consortium 20th Student Faculty Conference, March 19-20, 2010. Oral presentation. Outstanding Paper Award and a Prize in memory of Dr. Donald Rennie.
- Hajduk, M. M., Mastitsky, S. E., Burlakova L. E., Karatayev A. Y. Assessing Potential Threats: Parasitological Surveys of Great Lakes Non-Native Species. 20th Annual Great Lakes Research Consortium Conference in SUNY-ESF. March 19-20, 2010, Syracuse, NY. Received Outstanding Student Award in Limnology Session, and a Sea Grant prize in memory of Dr. Donald Rennie (<http://www.esf.edu/glrc/>).
- Karatayev, V. A., Karatayev, A.Y., Burlakova, L.E., Padilla D. K. In spite of *Dreissena r. bugensis* dominance, *D. polymorpha* retains a strong potential to invade from the Great Lakes. 20th Annual Great Lakes Research

- Consortium Conference in SUNY-ESF. March 19-20, 2010, Syracuse, NY. Received Outstanding Student Award in Limnology Session, and a Sea Grant prize in memory of Dr. Donald Rennie (<http://www.esf.edu/glrc/>).
- Hajduk, M. M., Mastitsky, S. E., Burlakova L. E., Karatayev A. Y. Assessing potential threats: parasitological surveys of Great Lakes and Finger Lakes non-native species. Poster. Buffalo State College 2010 Student Research and Creativity Celebration. April 30 – May 1, 2010. Poster.
- Karatayev, A.Y., Burlakova, L. E., Pennuto, C., Basiliko, C.P. Dominance of exotic invertebrates changes the Lake Erie benthic community. 6th Biennial Conference of the Lake Erie Millennium Network. April 27 - 29, 2010, Windsor, ON.
- Burlakova, L. E., Karatayev, A.Y., Pennuto, C., Mastitsky, S.E., Hajduk, M.M., Basiliko, C.P. and Conroy, J. Dominance of exotic invertebrates changes the structure of the Lake Erie benthic community. 53rd Annual Conference on Great Lakes Research. The International Association for Great Lakes Research, May 17 – 21, 2010, Toronto, ON.
- Karatayev, A.Y Burlakova, L. E., Mastitsky, S. E., Padilla, D. K. and M. Hajduk. Contrasting survival and growth of zebra mussels and quagga mussels under different temperature regimes. 53rd Annual Conference on Great Lakes Research. The International Association for Great Lakes Research, May 17 – 21, 2010, Toronto, ON.
- Perez-Fuentetaja, A., Pennuto, C., Karatayev, A., Burlakova, L., Conroy, J., Kramer, J., Bade, D. and Matisoff, G. Biological Production and Nutrient Fate in Nearshore and Offshore Lake Erie. 53rd Annual Conference on Great Lakes Research. The International Association for Great Lakes Research, May 17 – 21, 2010, Toronto, ON.
- Mayer, D., Pérez-Fuentetaja, A., Nishikawa, K., Shi, H., Gaikowski, M., Aloisi, D., Hubert, T., Gaylo, M., Burlakova, L., Karatayev, A., Clapsadl, M., Brady, T., Luoma, J., and Molloy, D. Potential to manage the impacts of invasive species on endangered wildlife in the Great Lakes. 53rd Annual Conference on Great Lakes Research. The International Association for Great Lakes Research, May 17 – 21, 2010, Toronto, ON.
- Hajduk, M. M., Mastitsky, S. E., Burlakova L. E., Karatayev A. Y. Hidden Invaders in the Great Lakes: Endosymbionts of non-native species. Poster. 53rd Annual Conference on Great Lakes Research. The International Association for Great Lakes Research, May 17 – 21, 2010, Toronto, ON.
- Karatayev, V. A., Karatayev, A.Y., Burlakova, L.E., Padilla D. K. Dominance within the lake does not represent invasion potential for dreissenids. Poster. 53rd Annual Conference on Great Lakes Research. The International Association for Great Lakes Research, May 17 – 21, 2010, Toronto, ON.
- Burlakova, L. E., Karatayev, A. Y., Karatayev, V. A., and M. E. May. Patterns of diversity, rarity and endemism: conservation priorities for freshwater bivalves (Fam. Unionidae) in Texas. 2010 American Association of Limnology and Oceanography ASLO/NABS Summer Meeting, June 6-10, 2010, Santa Fe, NM.
- Karatayev, A. Y., Burlakova, L. E., Mastitsky, S. E., Padilla, D. K., Mills, E. L., and V. A. Karatayev. Competitive ability versus invasion rate: which is a better invader, *Dreissena polymorpha* or *Dreissena rostriformis bugensis*? 2010 American Association of Limnology and Oceanography ASLO/NABS Summer Meeting, June 6-10, 2010, Santa Fe, NM. Abstracts.
- Pérez-Fuentetaja, A., C. Pennuto, A. Karatayev, L. Burlakova, J. Conroy, J. Kramer, D. Bade, G. Matisoff. 2010. Poster Presentation. Biological influence on the Nearshore and offshore nutrient dynamics of Lake Erie. 2010 American Association of Limnology and Oceanography ASLO/NABS Summer Meeting, June 6-10, 2010, Santa Fe, NM.
- Burlakova, L. E., Karatayev, A. Y., Pennuto, C.M. Exotic invertebrates alter benthic community in the Lake Erie. 17th International Conference on Aquatic Nuisance Species. August 29-September 2, 2010, San Diego, CA.
- Karatayev, A. Y., Burlakova, L. E., Mastitsky, S. E., Padilla, D. K., Mills, E. L. Invasion paradox: why *Dreissena rostriformis bugensis*, being less invasive, outcompete *D. polymorpha*? 17th International Conference on Aquatic Nuisance Species. August 29-September 2, 2010, San Diego, CA.
- Burlakova, L. E., Karatayev, A.Y., Karatayev, V. A., May, M. Conservation of freshwater molluscs in Texas. 11th Annual 2010 Faculty and Staff Research and Creativity Fall Forum, Buffalo State College, October 2010. Poster.
- Karatayev, V. A., Karatayev, A. Y., Burlakova, L. E. In spite of *Dreissena rostriformis bugensis* dominance, *D. polymorpha* retains a strong potential to invade from the Great Lakes. 11th Annual 2010 Faculty and Staff Research and Creativity Fall Forum, Buffalo State College, October 2010. Poster.
- Drake, R., Burlakova, L. E., Karatayev, A. Y. Benthic Macroinvertebrate Bioassessment of Scajaquada Creek (Buffalo, NY). 11th Annual 2010 Faculty and Staff Research and Creativity Fall Forum, Buffalo State College, October 2010. Poster.

- Burlakova, L. E., Lucy, F. E., A. Y. Karatayev, S. E. Mastitsky, and D. T. Zanatta. Dreissena impacts on Unionida: A synthesis of trends in North America and Europe. 54th Annual Conference on Great Lakes Research. May 30 – June 3, 2011, Duluth, Minnesota.
- Bade, D., J. Conroy, C., Pennuto C., L. Burlakova, A. Karatayev, A. Pérez-Fuentetaja, D. Kane, D. Culver, J. Kramer, W. Edwards. 2011. 54th Annual Conference on Great Lakes Research. The International Association for Great Lakes Research, May 30 – June 3, 2011. Duluth, Minnesota.
- Karatayev, V. A., A. Y. Karatayev, L. E. Burlakova. Lakewide dominance does not predict the invader species for dreissenids. 54th Annual Conference on Great Lakes Research. The International Association for Great Lakes Research, May 30 – June 3, 2011. Duluth, Minnesota.
- Karatayev, A. Y., S. E. Mastitsky, L. E. Burlakova, V. A. Karatayev, D. B. Conn, and M. Hajduk. Exotic molluscs in the Great Lakes region host pathogenic trematodes. 54th Annual Conference on Great Lakes Research. May 30 – June 3, 2011, Duluth, Minnesota.
- Burlakova, L. E., A. Y. Karatayev, V. A. Karatayev, M. E. May, D. L. Bennett, and M. J. Cook. Biogeography and conservation of freshwater mussels (Bivalvia: Unionidae): drivers of diversity and threats. 7th Biennial Symposium of the Freshwater Mollusk Conservation Society, April 11 – 15, 2011. Louisville, Kentucky.
- Karatayev, A. Y., Miller, T. D., and L. E. Burlakova. Long-term changes in unionid assemblages in the Rio Grande, one of the World's top 10 rivers at risk. 12th Annual 2011 Faculty and Staff Research and Creativity Fall Forum, Buffalo State College, October 2011. Poster.
- Karatayev, A. Y. L. E. Burlakova, and D. K. Padilla. Distribution, population dynamics and ecosystem impacts of *Dreissena polymorpha* and *Dreissena rostriformis bugensis*. IV International Conference "Lake Ecosystems: Biological Processes, Antropogenic Transformation, Water Quality. September 12-17, 2011. Naroch-Minsk, Belarus.
- Tulumello, B. L., Burlakova, L. E., and A. Y. Karatayev. Estimating the change in weight of *Dreissena polymorpha* and *Dreissena r. bugensis* fixed in ethanol. 22nd Annual Great Lakes Research Consortium Conference in SUNY-Oswego. March 30-31, 2012, Oswego, NY. Poster.
- Juette, P. M., Karatayev, A. Y., and L. E. Burlakova. Reconstruction of dreissenid biomass dynamics in Lake Erie. 22nd Annual Great Lakes Research Consortium Conference in SUNY-Oswego. March 30-31, 2012, Oswego, NY. Poster.
- Karatayev, A. Y., Burlakova, L. E., and S. E. Mastitsky. Predicting the zebra mussels spread: what can we learn from 200 years of continuous invasion. 55th Annual Conference on Great Lakes Research. May 13-17, 2012, Cornwell, Ontario, Canada.
- Karatayev, V. A., Karatayev, A. Y., Rudstam, L. G., and L. E. Burlakova. A century of change in molluscan community in Lake Oneida: Evidence of recovery? 55th Annual Conference on Great Lakes Research. May 13-17, 2012, Cornwell, Ontario, Canada.
- Hannes, I. P., Lasker, H. R., and Burlakova, L.E. Proposed study of unionid community below and above escarpments from Lake Ontario and Lake Erie tributaries. 55th Annual Conference on Great Lakes Research. May 13-17, 2012, Cornwell, Ontario, Canada. Poster.
- Snyder, R.J., Burlakova, L. E., Karatayev, A. Y., and D. B. MacNeill. Evaluating Ponto-Caspian fishes for risk of Great Lakes invasion. 55th Annual Conference on Great Lakes Research. May 13-17, 2012, Cornwell, Ontario, Canada.
- Tulumello, B. L., Burlakova, L. E., and A. Y. Karatayev. Estimating the change in weight of *Dreissena polymorpha* and *Dreissena r. bugensis* fixed in ethanol. 55th Annual Conference on Great Lakes Research. May 13-17, 2012, Cornwell, Ontario, Canada. Poster.
- Zanatta, D. T., Bateman, J., Bergner, J. L., Bossenbroek, J., Burlakova, L. E., Crail, T., de Szalay, F., Griffith, T., Hickin, M., Kapusinski, D., Karatayev, A. Y., Kolich, L., Krebs, R. A., Longton, G., Meyer, E., Paterson, W., Prescott, T., Rowe, M. T., Schloesser, D. W., Scott, M., Shackelford, M., Shreve, K., Walsh, M. Survey and reassessment of Unionidae in Lake Erie and Lake St. Clair, 25 years after the dreissenid invasion. 55th Annual Conference on Great Lakes Research. May 13-17, 2012, Cornwell, Ontario, Canada.
- Pennuto, C.M., Burlakova, L.E., Karatayev, A.Y., Perez-Fuentetaja, A., Kramer, J., Matisoff, G., Bade, D.L., Mayer, C., and Bridgeman, T. Benthos and water column correlations in nearshore Lake Erie. 55th Annual Conference on Great Lakes Research. May 13-17, 2012, Cornwell, Ontario, Canada.

- Karatayev, A. Y., Burlakova, L. E., Molloy, D. P., Mastitsky, S. E., Karatayev, V. A., and Conn, D. B. Parasites of exotic species in invaded areas: does lower diversity mean lower epizootic impact? Invited talk at the Cornell University Biological Field Station, Bridgeport, NY. July 20, 2012.
- Karatayev, A., Miller, T., and L. Burlakova. Long-term changes in unionid assemblages in the Rio Grande, one of the World's top 10 Rivers at Risk. International Meeting on Biology and Conservation of Freshwater Bivalves, Braganca, Portugal, 4-7 September 2012.
- Karatayev, A., Burlakova, L., and T. Miller. Long-term changes in the distribution range and population size of Texas hornshell *Popenaias popeii*. 8th Biennial Symposium of the Freshwater Mollusk Conservation Society, April 10 – 15, 2013. Guntersville, Alabama.
- Zanatta, D., Bateman, J., Bossenbroek, J., Burlakova, L., Crail, T., de Szalay, F., Griffith, T., Kapusinski, D., Karatayev, A., Krebs, R., Longton, G., Meyer, E., Paterson, W., Prescott, T., Rowe, M., Schloesser, D., Shackelford, D., and M. Walsh. Reassessment of the remnant unionid community in Lake Erie and Lake St. Clair, 25 years after the dreissenid invasion. 8th Biennial Symposium of the Freshwater Mollusk Conservation Society, April 10 – 15, 2013. Guntersville, Alabama.
- Hannes, I., Lasker, H., and L. Burlakova. Determination of dispersal and gene flow at multiple scales in unionids: from sperm to species. 8th Biennial Symposium of the Freshwater Mollusk Conservation Society, April 10 – 15, 2013. Guntersville, Alabama. Poster.
- Karatayev, A. Y., L. E. Burlakova, S. E. Mastitsky, and D. K. Padilla. Predicting the zebra mussels spread: what can we learn from 200 years of continuous invasion? 18th International Conference on Aquatic Invasive Species. April 21-25 2013, Niagara Falls Ontario, Canada.
- Karatayev, V. A., Karatayev, A. Y., L. E. Burlakova, and L. G. Rudstam. Eutrophication versus *Dreissena*: a century of change in the Lake Oneida's molluscan community. 56th Annual Conference on Great Lakes Research. June 3 – 6, 2013, West Lafayette, Indiana.
- Karatayev, A. Y., L. E. Burlakova, C. M. Pennuto, J. Ciborowsky, V. A. Karatayev, P. Juette, and M. Clapsadl. Twenty five years of changes in *Dreissena* spp. populations in Lake Erie. 56th Annual Conference on Great Lakes Research. June 3 – 6, 2013, West Lafayette, Indiana.
- Snyder, R. J., L. E. Burlakova, A. Y. Karatayev, and D. B. MacNeill. Enhanced early detection of invasive Ponto-Caspian fishes in the Great Lakes. 56th Annual Conference on Great Lakes Research. June 3 – 6, 2013, West Lafayette, Indiana.
- Juette, P., Karatayev, A. Y., L. E. Burlakova. Factors affecting dreissenid allometry. 56th Annual Conference on Great Lakes Research. June 3 – 6, 2013, West Lafayette, Indiana (poster).
- Karatayev, A. Y., L. E. Burlakova, and D. K. Padilla. The most aggressive freshwater invaders: Parallels, contrasts, spread, and ecosystem impacts of zebra and quagga mussels. World Congress of Malacology. July 22-26, 2013, Azores, Portugal.
- Burlakova, L., A. Karatayev, S. Daniel, B. Tulumello, J. Fisher, K. Hastings, and K. Pawlowski. Great Lakes Center participates in EPA' Long-Term Biological Monitoring of Great Lakes 14th Annual 2013 Faculty and Staff Research and Creativity Fall Forum, Buffalo State College, October 2013. Poster.
- Karatayev, A. Y., L. E. Burlakova, and D. K. Padilla. Spread, population dynamics and ecosystem impacts of zebra versus quagga mussels. 57th Annual Conference on Great Lakes Research. May 26-30, 2014, Hamilton, Ontario, Canada.
- Daniel, S., L. Burlakova, A. Karatayev, B. Tulumello, J. Fisher, K. Hastings, and K. Pawlowski. Long-Term Benthic Monitoring of Laurentian Great Lakes. 57th Annual Conference on Great Lakes Research. May 26-30, 2014, Hamilton, Ontario, Canada.
- Pawlowski, K., L. E. Burlakova, and A. Y. Karatayev. Do quagga mussels (*Dreissena rostriformis bugensis*) found in shallow and deep environments differ in their wet to dry weight ratios? 16th annual Student Research and Creativity Celebration, SUNY Buffalo State, April 28, 2014 (poster).
- Karatayev, A. Y., L. E. Burlakova, and D. K. Padilla. Zebra versus quagga mussels: Spread, population dynamics and ecosystem impacts. 15th World Lake Conference, September 1-5, 2014, Perugia, Italy.
- Karatayev, V. A., A. Y. Karatayev, L. E. Burlakova, L. Rudstam. Eutrophication and *Dreissena* invasion as drivers of biodiversity: a century of change in a diverse mollusc community. 15th World Lake Conference, September 1-5, 2014, Perugia, Italy.

- Hannes, I. P., H. R. Lasker, and L. E. Burlakova. Blurred lines in conservation: Freshwater mussel gene flow and species boundaries. 5th annual Student Conference on Conservation Science. New York (SCCS-NY). October 14-17, 2014 (poster). Best Poster Award.
- Karatayev, A. Y., L. E. Burlakova, K. Mehler. Preliminary Results of *Dreissena* spp. study in Lake Erie using traditional sampling and Video Imaging Analysis. Invited talk presented February 12, 2015 at EPA Great Lakes National Program Office, Chicago.
- Karatayev, A. Y., L. E. Burlakova, D. K. Padilla. Difference in spread, population dynamics, and ecosystem impacts of two *Dreissena* congeners. ASLO Aquatic Sciences Meeting. February 2015, Granada, Spain.
- Karatayev, A. Y., L. E. Burlakova, K. Mehler. Long-term dynamics of *Dreissena* spp. in Lake Erie: Insights for population boom and bust. 58th Annual Conference on Great Lakes Research. May 25-29, 2015, Burlington, Vermont.
- Mehler, K., A. Karatayev, L. Burlakova, and D. Gorsky. Benthic habitat mapping using remote sensing and GIS in the Niagara River. 58th Annual Conference on Great Lakes Research. May 25-29, 2015, Burlington, Vermont.
- Daniel, S.E., L. E. Burlakova, A. Y. Karatayev, and B. L. Tulumello. Effect of *Dreissena* on profundal Oligochaeta community. 58th Annual Conference on Great Lakes Research. May 25-29, 2015, Burlington, Vermont (poster).
- Paterson, W.L., Burlakova, L.E., Karatayev, A.Y., and Watkins, J.M. An international approach to improve early detection of alien species in the Great Lakes. 58th Annual Conference on Great Lakes Research. May 25-29, 2015, Burlington, Vermont (poster).
- Porto-Hannes, I., L. Burlakova, and H. Lasker. Species boundaries and levels of intermixing between two freshwater mussel species (Family: Unionidae). Second International Meeting on Biology and Conservation of Freshwater Bivalves. Buffalo, USA, 4 –8 October, 2015.
- Collas, F. P. L. A. Y. Karatayev, L. E. Burlakova, R. S. E. W. Leuven. Boat hull mediated overland dispersal chance of dreissenid mussels Second International Meeting on Biology and Conservation of Freshwater Bivalves. Buffalo, USA, 4 –8 October, 2015.
- Dascher E., J. Olson, L. E. Burlakova, A. Y. Karatayev, T. Bonner, A. N. Schwalb. How does the distribution of unionid freshwater mussels in Texas relate to the distribution of fishes? Second International Meeting on Biology and Conservation of Freshwater Bivalves. Buffalo, USA, 4 –8 October, 2015.
- Mehler, K., A. Y. Karatayev, L. E. Burlakova. Estimation of exotic bivalve distribution and abundance in a large river using traditional sampling, remote sensing, and GIS-derived benthic habitat maps Second International Meeting on Biology and Conservation of Freshwater Bivalves. Buffalo, USA, 4 –8 October, 2015.
- Karatayev, A. Y., L. E. Burlakova, K. Mehler, V. A. Karatayev, T. F. Nalepa, A. K. Baldrige, and E. K. Hinchey. Underwater video is an effective tool to reveal *Dreissena* spatial distribution and biomass. 59th Annual Conference on Great Lakes Research. June 6-10, 2016, Guelph, Ontario, CA.
- Mehler, K., L. E. Burlakova, A. Y. Karatayev, and A. G. Cevaer. Benthic invertebrate assessment in the lower Niagara River: Distribution and community structure. 59th Annual Conference on Great Lakes Research. June 6-10, 2016, Guelph, Ontario, CA.
- Daniel, S. E., L. E. Burlakova, A. Y. Karatayev. The effect of *Dreissena* on vertical distribution and abundance of Oligochaeta in Lake Erie. 59th Annual Conference on Great Lakes Research. June 6-10, 2016, Guelph, Ontario, CA.
- Cevaer, A. G., K. Mehler, L. E. Burlakova, and A. Y. Karatayev. Historic and current benthic macroinvertebrate community in the Niagara River. 59th Annual Conference on Great Lakes Research. June 6-10, 2016, Guelph, Ontario, CA.
- Vanderploeg, H. A., J. F. Cavaletto, A. K. Baldrige, L. E. Burlakova, H. J. Carrick, A. Y. Karatayev, G. A. Lang, J. R. Liebig, D. M. Mason, T. F. Nalepa, S. A. Pothoven, M. D. Rowe, E. S. Rutherford, and D. J. Wells. Spatial organization of pelagic and benthic food webs in southern Lake Michigan in 2015. 59th Annual Conference on Great Lakes Research. June 6-10, 2016, Guelph, Ontario, CA.
- Karatayev, A. Y., Burlakova, L. E., Mehler, K., Bocaniov, S. A., Collingsworth, P. D., Warren, G., Kraus, R. T., and Hinchey, E. K. Bottom hypoxia is a major driver of *Dreissena* spp. distribution in Lake Erie. XXXIII Congress of the International Society of Limnology, 31 July-5 August 2016, Turin, Italy.
- Barbiero, R., Lesht, B., Warren, G., Burlakova, L. and L. Rudstam. A comparison of recent changes in nutrients and the lower food web in Lake Huron and Lake Michigan: synchronous changes, dyssynchronous causes? XXXIII Congress of the International Society of Limnology, 31 July-5 August 2016, Turin, Italy.

- Daniel, S., L. E. Burlakova, and A. Y. Karatayev. The effect of *Dreissena* on the vertical distribution and abundance of Oligochaeta in Lake Erie. 17th Annual Faculty/Staff Research and Creativity Fall Forum, Buffalo State College, October 27, 2016 (poster).
- Mehler, K., A. Y. Karatayev, L. E. Burlakova. Integrating remote sensing techniques and spatial modelling to better understand benthos distribution in the Niagara River. 17th Annual Faculty/Staff Research and Creativity Fall Forum, Buffalo State College, October 27, 2016 (poster).
- Karatayev, V. A., Nalepa, T. F., Karatayev, A. Y., Weidel, B., Rudstam, L. G., and Burlakova, L. E. Living fast or slow: habitat-specific demography of invasives regulates their large-scale food web impacts. American Society of Limnology and Oceanography 2017 Aquatic Sciences Meeting, Honolulu, HI, February 27-March 3, 2017.
- Karatayev, A. Y., Burlakova, L. E., Mehler, K., Karatayev, V. A., Nalepa, T., Elgin, A., Hinchey, E. Underwater video is an effective tool to reveal *Dreissena* spatial distribution. American Society of Limnology and Oceanography 2017 Aquatic Sciences Meeting, Honolulu, HI, February 27-March 3, 2017.
- Karatayev, A. Y., L. E. Burlakova, K. Mehler, V. A. Karatayev, T. F. Nalepa, A. K. Elgin, and E. K. Hinchey. Underwater video is an effective tool to reveal *Dreissena* spatial distribution. 10th Biennial Symposium of the Freshwater Mollusk Conservation Society, March 26 – 30, 2017, Cleveland, Ohio.
- Mehler, K., L. E. Burlakova, and A. Y. Karatayev. Spatial distribution of *Dreissena* spp. and their effect on benthos in the lower Niagara River. 10th Biennial Symposium of the Freshwater Mollusk Conservation Society, March 26 – 30, 2017, Cleveland, Ohio.
- Karatayev, V., L. Burlakova, A. Karatayev, T. Miller, and L. Yang. Going with the flow: Evidence for advective dispersal of adult unionids from case study on the Rio Grande and insights for investigation. 10th Biennial Symposium of the Freshwater Mollusk Conservation Society, March 26 – 30, 2017, Cleveland, Ohio.
- Barbiero R. P., B. M. Lesht, G. J. Warren, L. G. Rudstam, J. M. Watkins., L. E. Burlakova, A. Y. Karatayev, and E. D. Reavie. A comparative survey of the lower food web across the Laurentian Great Lakes. 60th Annual Conference on Great Lakes Research. May 15 - 19, 2017, Detroit, Michigan, USA.
- Daniel, S. E., L. E. Burlakova, A. Y. Karatayev, K. Meyer, and E. Hinchey. The effect of *Dreissena* on sediment organic matter and Oligochaeta in the Great Lakes. 60th Annual Conference on Great Lakes Research. May 15 - 19, 2017, Detroit, Michigan, USA.
- Elgin, A., L. Burlakova, A. Karatayev, K. Mehler, and T. Nalepa. Quagga mussel body condition and size distribution inform recent Lake Michigan population trends. 60th Annual Conference on Great Lakes Research. May 15 - 19, 2017, Detroit, Michigan, USA.
- Kovalenko, K. E., E. D. Reavie, L. E. Burlakova, A. Y. Karatayev, L. G. Rudstam, and R. P. Barbiero Cross-lake comparisons of multi-assemblage breakpoints: the GLNPO story. 60th Annual Conference on Great Lakes Research. May 15 - 19, 2017, Detroit, Michigan, USA.
- Karatayev, A. Y., V. A. Karatayev, L. E. Burlakova, K. Mehler, M. Clapsadl, M. Rowe. *Dreissena* growth variation in time and space: Lessons from Lake Erie. 60th Annual Conference on Great Lakes Research. May 15 - 19, 2017, Detroit, Michigan, USA.
- Mehler, K., L. E. Burlakova, and A. Y. Karatayev. Niagara River from a benthic perspective: What has been done and what needs to be done. 60th Annual Conference on Great Lakes Research. May 15 - 19, 2017, Detroit, Michigan, USA.
- Mehler, K., Burlakova, L.E., Karatayev, A.Y. Integrating remote sensing and underwater imagery to enhance invasive *Dreissena* distribution assessment in large rivers. 20th International Conference on Aquatic Invasive Species, October 22-26, 2017, Fort Lauderdale, FL, USA
- Karatayev, A. Y., Burlakova, L.E., Mehler, K., Karatayev, V., Nalepa, T., Elgin, A., Hinchey, E. Underwater video is an effective tool to reveal *Dreissena* spatial distribution. 20th International Conference on Aquatic Invasive Species, October 22-26, 2017, Fort Lauderdale, FL, USA.
- Collas, F., A. Karatayev, L. Burlakova, and R. Leuven. Dreissenid mussel dispersal through boat hull mediated overland dispersal. 20th International Conference on Aquatic Invasive Species, October 22-26, 2017, Fort Lauderdale, FL, USA.
- Karatayev, A., Burlakova, L., Daniel, S., Mehler, K., K. Hastings, and B. Haas. Great Lakes Center is in charge of the largest monitoring of benthic invertebrates in the Great Lakes. 18th Annual Faculty/Staff Research and Creativity Fall Forum, Buffalo State College, November 2, 2017 (poster).

- Mehler, K., L. E. Burlakova, A. Y. Karatayev. Using underwater videos to reveal spatial distribution of invasive mussels in the Great Lakes. 18th Annual Faculty/Staff Research and Creativity Fall Forum, Buffalo State College, November 2, 2017 (poster).
- Mehler, K., L. E. Burlakova, A. Y. Karatayev, T. Nalepa, A. Elgin, and E. Hinchey. Changes in Lake Michigan benthos over 85 years: A comparative study. 2017 State of Lake Michigan Conference, November 7-10, 2017, Green Bay, Wisconsin, USA.
- Karatayev, A. Y., L. E. Burlakova, K. Mehler, V. Karatayev, T. Nalepa, A. Elgin, and E. Hinchey. Underwater video is an effective tool to reveal *Dreissena* spatial distribution. 2017 State of Lake Michigan Conference, November 7-10, 2017, Green Bay, Wisconsin, USA.
- Mehler, K., L. E. Burlakova, A. Karatayev, C. Pennuto, and S. Ilyushkin. Using underwater imagery to monitor invasive species in the Great Lakes. 61st Annual Conference on Great Lakes Research. June 18 - 22, 2018, Toronto, Canada.
- Karatayev, A., L. E. Burlakova, V. Karatayev, K. Mehler, and T. Nalepa. Population dynamics of zebra and quagga mussels in the Great Lakes: Cross-lakes comparison. 61st Annual Conference on Great Lakes Research. June 18 - 22, 2018, Toronto, Canada.
- Daniel, S., L. E. Burlakova, A. Karatayev, K. Mehler, P. Hebert, M. Pfrender, D. Lodge, and A. Trebitz. Great Lakes DNA Barcode Reference Library: Mollusca, Annelida, and Minor Phyla. 61st Annual Conference on Great Lakes Research. June 18 - 22, 2018, Toronto, Canada.
- Zyzik, M., L. E. Burlakova, and A. Karatayev. Compilation of wet-to-dry weight ratios of great lakes benthic organisms for long-term monitoring. 61st Annual Conference on Great Lakes Research. June 18 - 22, 2018, Toronto, Canada.
- Hinchey, E., L. E. Burlakova, K. Mehler, M. Corcoran, and S. M. C. Bonina. Distribution of grain size and sediment nutrients in Lake Michigan surface sediments. 61st Annual Conference on Great Lakes Research. June 18 - 22, 2018, Toronto, Canada.
- Karatayev, A., L. E. Burlakova, A. Karatayev, K. Mehler, A. Elgin, and T. Nalepa. Population dynamics of *Dreissena polymorpha* and *D. rostriformis bugensis* in the Laurentian Great Lakes. International Conference “Big Lakes, Small World”, European Large Lakes Symposium and International Association for Great Lakes Research (ELLS-IAGLR-2018), September 23-28, 2018, Evian (France).
- Daniel, S., L. E. Burlakova, A. Karatayev, K. Mehler, P. Hebert, M. Pfrender, D. Lodge, and A. Trebitz. Great Lakes DNA Barcode Reference Library: Mollusca, Annelida, and Minor Phyla. State of Lake Superior Conference, October 9-12, 2018, Houghton, MI.
- Mehler, K., L. E. Burlakova, A. Karatayev, J. Scharold. Trends in Lake Superior benthos with particular emphasis on the amphipod *Diporeia* spp. State of Lake Superior Conference, October 9-12, 2018, Houghton, MI.
- Burlakova, L. E., A. Y. Karatayev, E. Froufe, A. E. Bogan, and M. Lopes-Lima. 2018. A new freshwater bivalve species from Texas. 19th Annual Faculty/Staff Research and Creativity Fall Forum, Buffalo State College, November 9, 2018 (poster).
- Daniel, S., L. E. Burlakova, A. Y. Karatayev, K. Mehler. Creating Great Lakes DNA Barcode Reference Library. 19th Annual Faculty/Staff Research and Creativity Fall Forum, Buffalo State College, November 9, 2018 (poster).
- Karatayev, A., L. E. Burlakova, T. Miller. *Popenaias popeii* - the first endangered freshwater mussel in Texas. 19th Annual Faculty/Staff Research and Creativity Fall Forum, Buffalo State College, November 9, 2018 (poster).

PROFESSIONAL SOCIETIES:

The International Association for Great Lakes Research
 Association for the Sciences of Limnology and Oceanography
 Freshwater Mollusk Conservation Society
 Great Lakes Unified Malacologists
 International Research Consortium on Molluscan Symbionts
 Baltic Marine Biologists (BMB)
 Eco-Ethics International Union
 International Group on Aquatic Alien Species

TEACHING EXPERIENCE:

USA:

Great Lakes Seminar GLC 600 (1 credit). Great Lakes Ecosystem Science Master's programs, Fall 2014.

Biostatistics and Biological Data Analysis (4 credits, Lecture and Lab). Developed as a new graduate/undergraduate course. Fall 2008, 2011.

Biological Experimental Design and Analysis (3 credits; Lecture and Lab). Developed as a new graduate course. Fall 2002, 2004, 2005, 2006.

Population Biology (3 credits). Developed as a new graduate course. Spring 2004, 2005, 2006, 2007.

Conservation Biology (3 credits). Developed as a new graduate/undergraduate course. Fall 2005, 2006.

Belarus:

Experimental Design (3 credits; Lecture and Lab). Developed as a new course Fall 1998, Fall 1999.

Population Ecology (2 credits, Lecture and Lab). Developed as a new course Spring 1999, Spring 2000.

Biostatistics (1 credit, Lecture and Lab). Developed as a new course Spring 1999.

Biostatistics (4 credits, Lab). Developed as a new course Fall 1997, Fall 1998, Fall 1999.

Special Practicum in Ecology and Aquatic Biology (3 credits, Lab). Developed Fall and Spring 1998, 1999.

GRADUATE RESEARCH:

Candidate Dissertation Title: Ecology of *Dreissena polymorpha* (Pallas) and its role in structure and function of aquatic ecosystems. Supervisor Dr. A. P. Ostapenya. 1989-1998.

EDITOR OF JOURNAL SPECIAL ISSUES

Lopes-Lima, M. P. M., R. G. Sousa, L. E. Burlakova, A. Y. Karatayev, K. and Mehler. "Ecology and Conservation of Freshwater Bivalves". *Hydrobiologia* 810(1). Published March 2018 (34 papers).

Burlakova L., A. Karatayev, L. Rudstam, and E. Hinchey. "U.S. EPA Great Lakes National Program Office Long-Term Monitoring of the Laurentian Great Lakes: approaches, achievements and lessons learned". *Journal of Great Lake Research* 44(4). Published August 2018 (18 papers).

MANUSCRIPTS REVIEWED:

Aquatic BioSystems

Applied Ecology

Aquatic Invasions

Biological Conservation

Biological Invasions

BIOTA NEOTROPICA

BMC Ecology

Ecology

Ecology and Evolution

Ecosystems

Environmental Conservation

Estuarine, Coastal and Shelf Science

Freshwater Science

Freshwater Biology

Global Change Ecology

Hydrobiologia

Journal of Great Lakes Research

Journal of North American Benthological Society

Journal of Molluscan Studies

Journal of Siberian Federal University

Marine and Freshwater Research

Northeastern Naturalist

North American Journal of Aquaculture

Oceanologia

Parasitology

PeerJ
PLOS One
Siberian Journal of Sciences
Water Research
The American Midland Naturalist
The Journal of Experimental Biology
The Professional Geographer
The Southwestern Naturalist
The Texas Journal of Science

GRANTS REVIEWED:

National Science Foundation
National Geographic Society
Graduate Women in Science
Minnesota Sea Grant
Michigan Sea Grant

GRADUATE STUDENTS (Supervising)

Sonya Bayba (2018 – present). M.A., Great Lakes Ecosystem Science Program, Great Lakes Center, SUNY Buffalo State.
Susan Daniel (2014 – 2017). M.S., Great Lakes Ecosystem Science Program, Great Lakes Center, SUNY Buffalo State.
Isabel Porto Hannes (2011 – 2017). Ph.D., State University of New York at Buffalo.
Robbyn Drake (2010 – 2011). M.A., Multidisciplinary Program, Buffalo State College.

GRADUATE STUDENTS (Advising)

Morgan Zyzik (2017-2018), M.S., Great Lakes Ecosystem Science Program, Great Lakes Center, SUNY Buffalo State
Eric Bruestle (2014-2017), M.A., Great Lakes Ecosystem Science Program, Great Lakes Center, SUNY Buffalo State
Keith Pawlowsky (2014 – 2017), M.S., Great Lakes Ecosystem Science Program, SUNY Buffalo State
F. P. L. Collas (May-June 2014), Radboud University, Nijmegen, The Netherlands.
Paul Juette (2011 - 2014), M.A., Buffalo State College
Wendy Paterson (2011- 2012), M.S., Central Michigan University
Michael Cook (2006-2008), M.Sc., Stephen F. Austin State University
Kevin Nichols (2006 – 2008), M.Sc., Stephen F. Austin State University
Daniel Bennett (2005 – 2007), M.Sc., Stephen F. Austin State University
David Hollas (2004 – 2006), M.Sc., Stephen F. Austin State University
Leah Cartwright (2004 – 2006), M.Sc., Stephen F. Austin State University
Olga Minich (2003-2006), M.Sc., Stephen F. Austin State University
Arias Jason (2002 – 2004), M.Sc., Stephen F. Austin State University
Rhonda Mood (2002 – 2004), M.Sc., Stephen F. Austin State University
Oladunni Olayinka (2002 – 2004), M.Sc., Stephen F. Austin State University
Jules Smith (2002 - 2006), M.Sc., Stephen F. Austin State University
Sewell Brian (2002 – 2003), M.Sc., Stephen F. Austin State University
Andrei Nesterovitch (2002 – 2003), M.Sc., Stephen F. Austin State University
Tom Kesterson (2001 - 2003), M.Sc., Stephen F. Austin State University
Sergey E. Mastitsky (2000- 2004), Ph.D., Belarusian State University, Belarus
Nataliya M. Lisovskaya (1998-2000), M.Sc., Belarusian State University, Belarus

UNDERGRADUATE STUDENTS (Advising)

Brianne Tulumello (2011- 2012), Undergraduate Research and Mentoring (URM) Program, Buffalo State College
Marissa Hajduk (2008-2010), Undergraduate Research and Mentoring (URM) Program, Buffalo State College
Jered Simpson (2007), B.Sc., Stephen F. Austin State University
Steven Grice (2006), B.Sc., Stephen F. Austin State University
Edgardo Avelar (2006), B.Sc., Stephen F. Austin State University
Tatiana Urash (1998), B.Sc., Belarusian State University, Belarus
Andrey Usov (1998-2000), B.Sc., Belarusian State University, Belarus

Svetlana Dudich (1997-1998), B.Sc., Belarusian State University, Belarus
Ekaterina Sadova (1997-1998), B.Sc., Belarusian State University, Belarus

MSc. EXTERNAL DISSERTATION EXAMINER:

MSc. Thesis by Elaine Keenan “Changes in Littoral Invertebrate Communities in Lough Corrib in Response to an Invasion by *Lagarosiphon major*”. College of Life Sciences, School of Biology and Environmental Science, University College Dublin, Dublin, Ireland, June 2010.

Ph.D. Thesis by Sara Meehan “Assessment and Utilisation of Zequanox for Zebra Mussel (*Dreissena polymorpha*) Control in Irish Waters”. Institute of Technology, Sligo, Ireland, September 2014.

SERVICE:

Editor, Special Issue of the *Journal of Great Lakes Research* “U.S. EPA Great Lakes National Program Office Long-Term Monitoring of the Laurentian Great Lakes: approaches, achievements and lessons learned” (2018).
Editor, Special Issue of *Hydrobiologia* on Ecology and Conservation of Freshwater Bivalves (2018).
Organizer, special sessions at the Annual Meetings of the International Association of Great Lakes Research in 2009-2019.
Co-chair, special session at the International Conference “Big Lakes, Small World”, European Large Lakes Symposium and International Association for Great Lakes Research (ELLS-IAGLR-2018), September 23-28, 2018, Evian (France).
Organizer, special sessions at ASLO Aquatic Sciences Meetings (2017, 2019).
Organizer, special session at the XXXIII Congress of the International Society of Limnology, 31 July-5 August 2016.
Member of the Organizing Committee for the Second International Freshwater Bivalves Conference. Buffalo, 4-8 October, 2015.
Stephen F. Austin State University Department Graduate Committee (2003 - 2007).
Panel Member, Council for Computer-aided Teaching at the Biology College, Belarusian State University, 1998-2000.

WORKSHOPS & INTERNATIONAL ACTIVITIES:

1994 (December)	International Workshop on Zebra Mussel Parasites, Minsk, Belarus
1995 (October)	International Workshop on Zebra Mussel Parasites, France
1997 (June)	International Workshop on Zebra Mussel Parasites, Minsk, Belarus
1998 (February)	International Workshop on Zebra Mussel Parasites, Cornwall-on-Hudson, USA
2004 (October)	“The Comparative Roles of Suspension Feeders in Ecosystems” NATO Advanced Research Workshop, Nida, Lithuania.
2005 (May)	International Research Workshop “Portrait of marine and freshwater invertebrate invaders”, Ireland
2017 (July)	International Workshop to explore the effect of biological invasions on aquatic ecosystems in Belarus and in North America, Cornell Biological Field Station, Bridgeport, NY.
2018 (December)	Ecological Risk Assessment of Black Carp (<i>Mylopharyngodon piceus</i>) for the Great Lakes Basin Peer Review Meeting.