

THE ACADEMY OF NATURAL SCIENCES
of DREXEL UNIVERSITY

2011 Publications and Presentations:

Center for Systematic Biology and Evolution and Patrick Center for Environmental Research

Acs, E., L. Ector, K.T. Kiss, C. Cserhádi, **E.A. Morales**, & Z. Levkov. 2011. Morphological observations on *Amphora micrometra* Giffen from the Bolivian Altiplano, South America and its transfer to the genus *Halamphora*. *Diatom Research* 26: 199-212.

Birindelli, J.L.O., and **M.H. Sabaj Pérez**. 2011. *Ossancora*, new genus of thorny catfish (Teleostei: Siluriformes: Doradidae) with description of one new species. *Proceedings of the Academy of Natural Sciences of Philadelphia* 161:117–152.

Carvalho, M.R. de, **M.H. Sabaj Pérez** and N.R. Lovejoy. 2011. *Potamotrygon tigrina*, a new species of freshwater stingray from the upper Amazon basin, closely related to *Potamotrygon schroederi* Fernandez-Yépez, 1958 (Chondrichthyes: Potamotrygonidae). *Zootaxa* 2827:1–30.

Cejudo-Figueiras, C., **E.A. Morales**, C.E. Wetzel, S. Blanco, L. Hoffmann, & L. Ector. 2011. Analysis of the type of *Fragilaria construens* var. *subsalina* (*Bacillariophyceae*) and description of two morphologically related taxa from Europe and the United States. *Phycologia* 50: 67-77.

Daeschler, E.B. and N.H. Shubin. 2011. Fossil Discovery and the Origin of Tetrapods. Pp. 297 - 310 *In: In the Light of Evolution*, J. Losos (editor), Roberts and Company, Colorado.

Daeschler, E.B. and W.L. Cressler III. 2011. Late Devonian paleontology and paleoenvironments at Red Hill and other fossil sites in the Catskill Formation of north-central Pennsylvania. Pp. 1-16 *In: From Shield to the Sea: Geological Field Trips from the 2011 Joint Meeting of the GSA Northeastern and North-Central Sections*, R.M. Ruffolo, and C.N. Ciampaglio Eds. Geological Society of America, Field Guide 20.

Downs, J.P., E.B. Daeschler, F.A. Jenkins, Jr., and N.H. Shubin. 2011. A new species of *Laccognathus* (Sarcopterygii, Porolepiformes) from the Late Devonian of Ellesmere Island, Nunavut, Canada. *Journal of Vertebrate Paleontology* 31(5):981-996.

Downs, J.P., K.E. Criswell and **E.B. Daeschler**. 2011. Mass mortality of juvenile antiarchs (*Bothriolepis* sp.) from the Catskill Formation (Upper Devonian, Famennian Stage), Tioga County, Pennsylvania. *Proceedings of the Academy of Natural Sciences* 161:191-203.

- Enache, D.M.**, A. Paterson, & B.F. Cumming. 2011. Changes in diatom assemblages from 40 reference lakes in the Experimental Lakes Area (northwestern Ontario, Canada): Assessing the probable role of climatic change. *Journal of Paleolimnology* 46: 1-15.
- English, J.D.** and **Potapova, M.** 2011. Ontogenetic and interspecific valve shape variation in the Pinnatae group of the genus *Surirella* and the description of *S. lacrimula* sp. nov. *Diatom Research*, DOI:10.1080/0269249X.2011.642950.
- Freire-Fierro, A.** and A. Landale. 2011. Lectotypification of Thomas Nuttall's names applied to North American *Polygala*. *Journal of the Botanical Research Institute of Texas* 5 (1): 106-109.
- Hall, J. D.** 2011. Review of: Brook, A. J. & D. B. Williamson 2010. A Monograph on Some British Desmids. The Ray Society. [Book Review] *Journal of Phycology*. 47 (1): 215-216.
- Hanlon, M. R., S. Mock, P. Nuthulapati, M. B. Gonzales and 11 others, including **R. M. McCourt**. 2011. My-Plant.org: A phylogenetically structured social network. IEEE Gateway Conference Proceedings.
- Hasegawa, K. and Rosenberg, G.** 2011. A taxonomic note on *Natica saitoi* Kuroda and Habe in Kuroda, Oyama and Habe, 1971 (Gastropoda: Naticidae). *Bulletin of the National Museum of Nature and Science, Series A*, 37 (3).
- Ilves, K.L.**, L.L. Kellogg, A.M. Quattrini, G.W. Chaplin, H. Hertler and **J.G. Lundberg**. 2011. Assessing 50-year change in Bahamian reef fish assemblages: evidence for community response to recent disturbance? *Bulletin of Marine Science* 87(3):567-588.
- Jersabek, C.D.** 2011. Die Rädertiere (Rotifera) des Dösentales (Kärnten). *Mitteilungen aus dem Haus der Natur* 19:100-102.
- Jersabek, C.D.**, Weithoff, G., and Weisse, T. 2011. *Cephalodella acidophila* n. sp. (Monogononta: Notommatidae), a new rotifer species from highly acidic mining lakes. *Zootaxa* 2939: 50-58.
- Jersabek, C.D.**, De Smet, W.H., Fischer, C., Fontaneto, D., Michaloudi, E., Wallace, R.L., and Segers, H. 2011. List of Available Names in Zoology, Candidate Part Phylum Rotifera, species group names established before 1 January 2000. 269 pp.
- Johansen, J.R., K. Řeháková, & **F. Acker**. 2011. *Tapinothrix ozarkiana* sp. nov., with notes on distribution for the genus in North America. *Fottea* 11(1):141-148.

- Keller, D.H.** 2011. Population characteristics of White Catfish and Channel Catfish in the Delaware River Estuary. Pages 423-436 in P.H. Michaletz and V.H. Travnichek, editors. *Conservation, ecology, and management of catfish: the second international symposium*. American Fisheries Society, Symposium 77, Bethesda, Maryland.
- Le Manh Hung, M. B. Robbins, **N. H. Rice**, E. A. García-Trejo, S. M. Roels and S. A. Bodbyl Roels. 2011. Preliminary survey of the avifauna at Dong Nai Culture and Nature Reserves, Dong Nai province, Vietnam. *Forktail* 27:114-117.
- Lewis, L. A., **J. D. Hall** & R. Zechman. 2011. Green Algae. *Encyclopedia of Life Sciences*.
- Lieb, D.A., **R.W. Bouchard**, R.F. Carline, T.R. Nuttall, J.R. Wallace and C.L. Burkholder. 2011. Conservation and Management of Crayfishes: Lessons from Pennsylvania. *Fisheries*, 36:10, 489-507.
- Livshultz, T., J. V. Mead**, D. J. Goyder, and **M. Brannin**. 2011. Climate niches of milkweeds with plesiomorphic traits (Secamonoideae, Apocynaceae) and the milkweed sister group link ancient African climates and floral evolution. *American Journal of Botany*. 98: 1978-1988.
- Lundberg, J.G.**, R. Covain, J.P. Sullivan & S. Fisch-Muller. 2011. Phylogenetic position and notes on the natural history of *Pimelabditus moli* Parisi & Lundberg, 2009 (Teleostei: Siluriformes), a recently discovered pimelodid catfish from the Maroni River basin. *Cybium* 35(4).
- Lundberg, J.G.**, J.P. Sullivan and M. Hardman. 2011. Phylogenetics of the South American catfish family Pimelodidae (Teleostei: Siluriformes) using nuclear and mitochondrial gene sequences. *Proceedings of the Academy of Natural Sciences of Philadelphia* 161:153–189.
- Maasri, A.**, and **J. K. Gelhaus**. 2011. The new era of livestock production in Mongolia: Consequences on streams of the Great Lakes Depression. *Science of the Total Environment* 409: 4841-4846. doi:10.1016/j.scitotenv.2011.08.005 .
- Marracci, S., V. Michelotti, G.-D. Guex, H. Hotz, **T. Uzzell**, and M. Ragghianti. 2011. RrS1-like sequences of water frogs from Central Europe and around the Aegean Sea: chromosomal organization, evolution, and possible function. *J. Mol. Evol.* 72(4): 368-82.
- Mathias, E.C., and **A. Freire-Fierro**. 2011. Howard Page Wood, 1924-2010 [Obituary]. *TAXON* 60: 297.

- Morales, E.A.,** L. Ector, E. Fernández, M.H. Novais, D. Hlubikova, P.B. Hamilton, S. Blanco, M.L. Vis, & J.P. Kociolek. 2011. The genus *Achnantheidium* Kützing (Achnanthesales, Bacillariophyceae) in Bolivian streams: a report of taxa found in recent investigations. *Algological Studies* 136/137: 89-130.
- Podenas, S. and Gelhaus, J.** 2011. Three new species of Chioneinae Crane Flies (Diptera: Limoniidae) from North-Central Mongolia. *Proceedings of the Academy of Natural Sciences of Philadelphia* 161(1): 73-86. doi: 10.1635/063.161.0105.
- Potapova, M.** 2011. *Tabellaria vetteri*, a new diatom species (Bacillariophyta: Tabellariaceae) from Pennsylvania. *Proceedings of the Academy of Natural Sciences of Philadelphia* 161: 35-41.
- Potapova, M.** 2011. New species and combinations in the genus *Nupela* from the USA. *Diatom Research* 26: 73-87.
- Potapova, M.** 2011. Patterns of Diatom Distribution In Relation to Salinity. Pages 313-332 in: Seckbach, J and J.P. Kociolek (Eds.) *The Diatom World. Cellular Origin, Life in Extreme Habitats and Astrobiology (COLE) Book Series, V.19*, Springer, Dordrecht.
- Potapova, M. and Carlisle D.M.** 2011. Development and application of indices to assess the condition of benthic algal communities in U.S. streams and rivers. U.S. Geological Survey Open File Report 2011-1126.
- Quagio-Grassiotto, I., R.J. Ortiza, **M.H. Sabaj Pérez** and C. Oliveira. 2011. Sperm of Doradidae (Teleostei: Siluriformes). *Tissue and Cell* 43(2011):8–23.
- Robertson, R.** 2011. New species discovered in the Pine Barrens! *Inside the Pinelands* 18 (4): 4.
- Robertson, R.** 2011. Catesby's gallery: a trailblazing naturalist in the New World. *Natural History* 119 (4): 32-37.
- Rosenberg, G. & Stahlschmidt, P.** 2011. A new species of *Lienardia* (Gastropoda: Conoidea) from the Philippines and the Spratly Islands. *Proceedings of the Academy of Natural Sciences of Philadelphia* 161.
- Rosenberg, G.** 2011. A boreal affair: *Acirsa borealis* (Lyell, 1841) and *Opalia borealis* (Gould, 1852) (Mollusca: Epitoniidae). *Proceedings of the Academy of Natural Sciences of Philadelphia* 161.

- Schaefer, S.A., P. Chakrabarty, **A.J. Geneva** and **M.H. Sabaj Pérez**. 2011. Nucleotide sequence data confirm diagnosis and local endemism of variable morphospecies of Andean astroblepid catfishes (Siluriformes: Astroblepidae). *Zoological Journal of the Linnean Society* 162:90–102.
- Straub, S. C. K., M. Fishbein, **T. Livshultz**, Z. Foster, M. Parks, K. Weitemier, R. C. Cronn, and A. Liston. 2011. Building a model: Developing genomic resources for common milkweed (*Asclepias syriaca*) with low coverage genome sequencing. *BMC Genomics*. 12: 211.
- Taylor, J.C., **E.A. Morales**, & L. Ector. 2011. *Achnanthydium standeri* Cholnoky and *Achnanthydium taitaensis* (J.R. Carter et Denny) two new combinations of morphologically similar *Achnanthydium* species from Africa. *Algological Studies* 136/137: 151-166.
- Velinsky, D.J.**, G.R. Riedel, J.T. Ashley and J.Cornwell. 2011. A contamination history of the Anacostia River, Washington, D.C. *Environmental Assessment and Monitoring* 183(1): 307-328.
- Weston, N.B., M.A. Vile, S.C. Neubauer and **D.J. Velinsky**. 2011. Accelerated microbial organic matter mineralization following salt-water intrusion into tidal freshwater marsh soils. *Biogeochemistry* 102 (1-3):135-151.
- Wojtal, A.Z., L. Ector, B. Van de Vijver, **E.A. Morales**, S. Blanco, J. Piatek, & A. Smieja. 2011. Morphology and distribution of the *Achnanthydium minutissimum* complex (Bacillariophyceae) in southern Poland. *Algological Studies* 136/137: 211-238.
- Zelanko, P. M., N. H. Rice**, and **D. J. Velinsky**. 2011. Using Carbon and Nitrogen stable isotopes to distinguish the locations of feather growth in Osprey. *Proceedings of the Academy of Natural Sciences of Philadelphia* 161:1-10.

2011 EDUCATION DEPARTMENT PRESENTATIONS/PAPERS

- Genovesi, Jacqueline** (2011). An Exploratory Study of a New Educational Method Using Live Animals and Visual Thinking Strategies for Natural Science Teaching in Museums. Doctoral Dissertation Defended February.
- Genovesi, Jacqueline**, et. al. (2011). Keeping Your Head Above Water: Regulatory Obligations, Public Perceptions and Financing It All. Annual Conference Golf Course Superintendents Association of America Annual Conference.
- Genovesi, Jacqueline**. (2011). An Exploratory Study of a New Educational Method Using Live Animals and Visual Thinking Strategies for Natural Science Teaching in Museums. Annual Conference Proceedings of Invertebrates in Education and Conservation Conference.
- Genovesi, Jacqueline**, et al. (2011). Socialization in Science Centers: Including Individuals with Autism. Annual Conference Association of Science and Technology Center.
- Kuter, Lois**. (2011). Talking Shop: Roundtable Discussion with Volunteer Managers and Docents. Annual Conference American Association of Museums Annual Meeting.
- Kuter, Lois**. (2011). Good Seeds and Wild Weeds – Volunteers and Risk Management. American Public Gardens Association Annual Meeting.
- Schien, Jason P. and **Poole, Jason C** (2011). A Shark-bitten Dinosaur (Hadrosauridae) Femur from the Latest Maastrichtian Basil Hornerstown Formation, New Jersey, U.S.A. The Mosasaur 7. In press.
- Poole, Jason C.** (2011). The Story of a Huge Dead Dinosaur and the People Who Love It. Science on tap Not sure if you want to include this are others?
- Poole, Jason C.** (2011). Reconstructing a Giant Titanosaur from Patagonia. Delaware Paleontological Society
- Verderame, Karen**. (2011). Ice Cream Cones and Flower Pots: Enriching Invertebrates. Annual Conference Proceedings of Invertebrates in Education and Conservation Conference.