

Dr. LENA STRUWE

CURRICULUM VITAE

Associate Professor & Director of Chrysler Herbarium
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Positions held

- 2007-present Associate Professor, Dept. of Ecology, Evolution, and Natural Resources (DEENR, primary), and Dept. of Plant Biology and Pathology (DPBP, secondary), Rutgers [joint appointment]
- 2004-present Director, Chrysler Herbarium, Rutgers
- 2001-2004 Correspondent, Chrysler Herbarium, Rutgers
- 2001-2007 Assistant Professor, Dept. of Ecology, Evolution, and Natural Resources, and Dept. of Plant Biology and Pathology, Rutgers
- 1998-2001 Research Associate, The Lewis B. and Dorothy Cullman Program for Molecular Systematics Studies, The New York Botanical Garden, Bronx, NY
- 1995-1998 Laboratory Manager, The New York Botanical Garden, Bronx, NY
- 1991-1995 Teaching and Computer Assistant, Dept. of Systematic Botany, Uppsala University, Uppsala, Sweden
- 1989-1990 Museum Assistant, Regnellian Herbarium, Dept. of Phanerogamic Botany, Swedish Museum of Natural History, Stockholm, Sweden

Education

- 1999 Ph.D. ('Filosofie doktorsexamen') in Systematic Botany, Stockholm University. Thesis: *Morphological and molecular phylogenetic studies in neotropical Gentianaceae*. Stockholm University, Stockholm, Sweden. 221 pp. [published thesis]
- 1991 B.Sc. ('Filosofie kandidatexamen') in Biology and Earth Sciences, Stockholm University, Sweden.

GRANTS AND AWARDS

Grants awarded (*PI unless otherwise noted*)

- 2015-2017 Rutgers Centers for Global Advancement and International Affairs (GAIA Centers), *Formation of a Worldwide Urban Plant Evolution and Education Network*, \$10,000, PI: Struwe, Co-PIs Myla Aronson, Laura Schneider, Wolfram Hoefner, Lauren Frazee (May 2015-May 2017).
- 2014-2015 Rutgers Research Council, *Weeds as model organisms: evolution in unnatural habitats*, \$2510, PI: Struwe (July 2014-June 2015).
- 2014-2019 USDA (Hatch grant NJAES grant no. 17142): "*Spatial Evolutionary and Ecological Vicariance Analysis: The Climatic, Soil Type, and Host Niches of Taxonomic Diversity*", (June 2014-May 2019). [federal formula grant]
- 2009-2019 USDA (multistate Hatch grant no. WERA1015; NJAES grant no. NJ17602): "*Developing the US National Virtual Herbarium*", PI: Mary Barkworth (Oct 2009-Sep 2014). [federal formula grant]
- 2009-2014 NSF, "*IGERT: Solutions for Renewable and Sustainable Fuels in the 21st Century*", \$3,198,175, Co-PI responsible for Thrust Area *Sustainability and Ecological Impacts*; PI: Eric Lam (Sep 2009-Aug 2014, no-cost extension to Aug 2015).
- 2008-2010 Medicines for Malaria Venture (MMV), "*U.S./South Africa Antimalarial Drug Consortium - New Life for a 60-year old Program*", \$397,833, responsible for medicinal plant identification, sourcing of material, and phylogenetic interpretation; PI: Ilya Raskin (Nov 2008-Dec 2010).
- 2008-2013 USDA (Hatch grant, NJAES grant no. NJ17112): "*Molecular phylogenetics, biodiversity, and biogeography of plants in the American tropics*" (Nov 2008-Oct 2013). [federal formula grant]
- 2008-2009 Beneficia Foundation, "*Digitization of endangered and invasive bioinformatics data for New Jersey plants*", \$30,000 (July 2008-June 2009).
- 2007-2009 USDA (multistate Hatch WDC012, NJAES grant no. NJ17602): "*Integrating Access to Information from Herbaria*", PI: Mary Barkworth (Oct 2007-Sep 2009).
- 2006 Research Infrastructure Awards, Cook College, Rutgers, "*Cook College DNA Sequencing Facility Upgrade*", \$32,000, Co-PI; PI: Gerben Zylstra.
- 2005 New World Consortium for Life Sciences (OSU-Rutgers-USP), "*Assessing Plant Patterns of Genetic Diversity in Brazil using GIS and Molecular Systematics*", \$5,000, with Co-PI J. Pirani, University of Sao Paulo (Jan 2005-June 2005).
- 2003-2009 NIH/FIC, International Cooperative Biodiversity Groups, "*Building New Pharmaceutical Capabilities in Central Asia*" (FIC grant no. U01TW006674-03), \$3.8 million, Associate Program Leader for *Biodiversity, Bioinformatics and Training Associate Program*, responsible for biodiversity and conservation assessments and professional training program, for plant biological interdisciplinary studies in Kazakhstan, Kyrgyzstan, Tajikistan and Uzbekistan, in collaboration with Rutgers and University of Illinois, PI: I. Raskin; Sep 2003–Apr 2009. [NIH does not allow Co-PIs]
- 2003-2005 NSF: DEB, Systematic Biology, "*Phylogeny and biogeography of the neotropical tribe Helieae (Gentianaceae)*" (grant no. #0317612), \$99,999 (July 2003-July 2005).
- 2003-2004 Rutgers University Research Council grant, Rutgers, "*Molecular systematics of the anti-malarial plant Tachia (Gentianaceae)*", \$4,900 (Aug 2003-May 2004).

- 2002-2008 USDA (Hatch grant, NJAES grant no. NJ17112): “*Molecular phylogenetics, biodiversity, and biogeography of plants in the American tropics*” (Nov 2002-Oct 2008).
- 1994 Uddenberg-Nordingska Foundation, Kalmar, Sweden, “*Flower development and systematics in Fagraea, Gentianaceae*”, SEK 50,000 [one awardee per year].
- 1995 C. F. Liljewalchs Resestipendiefond, Uppsala University, Sweden, *Travel Grant* to attend Third International Flora Malesiana Symposium '95, Royal Botanic Gardens, Kew, SEK 6,000.
- 1993 J. A. Wahlbergs Memorial Fund, Royal Swedish Academy of Sciences, Stockholm, Sweden, *Travel Grant* for scientific work in Tanzania, SEK 8,000, Sweden.

Awards

- 2015 *Innovation in Plant Systematics Education Prize*, American Society for Plant Taxonomists.
- 2015 *Excellence in Teaching* from the School of Environmental and Biological Sciences, Rutgers University, New Brunswick, NJ.
- 2010 *Excellence in Graduate Teaching Award* from the Graduate School of New Brunswick, Rutgers.
- 2009 *Professor of the Year*, selected by the Graduate Students in Plant Biology, Rutgers.
- 2007 *Abraham Weisblat Award for Across the Board Excellence in Teaching, Research, and Outreach*, School of Environmental and Biological Sciences & New Jersey Agricultural Experiment Station, Rutgers.

PUBLICATIONS

Refereed books

1. Eisenman, S.W., D.E. Zaurov, K.T. Shalpykov, and **L. Struwe** (eds.). 2014. Orto Aziyanin dari osumduktoru: Ozbekistan jana Kyrgyzstan - Lekarstvennie rasteniya Sredniy Azii: Uzbekistan i Kyrgyzstan [Medicinal plants of Central Asia: Uzbekistan and Kyrgyzstan]. Imak Ofset. Bishkek. (In Kyrgyz and Russian).
2. Eisenman, S. W., D. E. Zaurov, & **L. Struwe** (eds.). 2012. Medicinal Plants of Central Asia: Uzbekistan and Kyrgyzstan. Springer, New York. 340 pp.
<http://www.amazon.com/Medicinal-Plants-Central-Asia-Uzbekistan/dp/1461439116>
3. **Struwe, L.** & V. A. Albert (eds.) 2002. *Gentianaceae – Systematics and Natural History*. Cambridge University Press, Cambridge. 652 pp. (see also authored chapters below).
<http://www.amazon.com/books/dp/0521809991>

Refereed book chapters

4. **Struwe, L.** (in press). Gelsemiaceae. In: *Families and Genera of Flowering Plants* (K. Kubitzki, ed.), vol. Asteridae-Gentianales (J. W. Kadereit, vol. ed.), Springer Verlag, Berlin.
5. **Struwe, L.**, C. Frasier, & R. G. Olmstead. (in press). Gentianales. In: *Phyloonyms: A Companion to the PhyloCode* (K. de Queiroz, P. D. Cantino, & J. Gauthier, eds.), University of California Press, Berkeley.
6. **Struwe, L.** & T. Motley. (in press). Loganiaceae (including Antoniaceae, Geniostomaceae, Spigeliaceae, and Strychnaceae). In: *Families and Genera of Flowering Plants* (K. Kubitzki, ed.), vol. Asteridae-Gentianales (J. W. Kadereit, vol. ed.), Springer Verlag, Berlin.

7. **Struwe, L.** & J. Pringle. (in press). Gentianaceae. In: *Families and Genera of Vascular Plants*. (K. Kubitzki, ed.), vol. Asteridae-Gentianales (J. W. Kadereit, vol. ed.), Springer Verlag, Berlin.
8. Lima, R. B. S, G. Frausin, S. Brody, **L. Struwe**, & A. M. Pohlit. 2015. Gentians used in South America as antimalarial agents. In: *The Gentianaceae - Volume 2: Biotechnology and Applications* (J. J. Rybczyński, M. R. Davey, & A. Mikuła, eds.), Springer Verlag, Heidelberg & New York.
9. Grant, J., **L. Struwe**, J. Pringle, B. von Hagen, J. Molina. & K. Lepis. 2015. Gentianaceae. In: *Catálogo de plantas y líquenes de Colombia* (R. Bernal, S.R. Gradstein, & M. Celis, eds.), Instituto de Ciencias Naturales, Universidad Nacional de Colombia, Bogotá. <http://catalogoplantascolombia.unal.edu.co>
10. **Struwe, L.** 2014. Classification and evolution of the Gentianaceae. Pages: 13-35. In: *The Gentianaceae: characterization, conservation, propagation, genetic manipulation and application*, vol. 1 (J. J. Rybczyński, M. R. Davey, & A. Mikuła, eds.), Springer Verlag, Heidelberg & New York.
11. **Struwe, L.**, J. Allogio, L. Cobb, J. R. Grant, M. J. Jansen-Jacobs, M. Kinkade, K. B. Lepis, H. Maas-Van De Kamer, P. J.M. Maas, & M. I. Palmer. 2014. Gentianaceae. In: *Flora of Guianas* (Sylvia Mota de Oliveira, vol. ed.), Utrecht University, Utrecht & Royal Botanic Gardens, Kew. 131 pp.
12. **Struwe, L.**, J. R. Grant, K. B. Lepis, M. F. Calió, M. Zarate, & J. Pringle. 2009. Gentianaceae. In: *Catalogue of the Vascular Plants of Bolivia* (P.M. Jørgensen, ed.), Missouri Botanical Garden, St. Louis. [Published online 2009, <http://www.tropicos.org/Project/BC>, printed version in press]
13. Maas, P. J. M, **L. Struwe**, & B. von Hagen. 2008. Gentianaceae. Pages 403-408. In: *Nuevo Catálogo de la Flora Vascular de Venezuela* (O. Hokche, P. Berry, & O. Huber, eds.), Fundación Instituto Botánico de Venezuela Dr. Tobias Lasser, Caracas.
14. **Struwe, L.** 2007. Gentianaceae. In: *Catálogo Anotado e Ilustrado de la Flora Vascular de los Llanos de Venezuela* (R. Duno, G. Aymard, & O. Huber, eds.), FUDENA, Fundación Empresas Polar, Caracas.
15. **Struwe, L.** 2004. Columelliaceae, Desfontainiaceae, Loganiaceae, Plocospermataceae. Pages 108-109, 126-127, 219-221, 299-300. In: *Flowering Plant Families of the American Tropics* (A. Henderson, S. A. Mori, S. V. Heald, N. P. Smith, & D. W. Stevenson, eds.), Princeton University Press, Princeton.
16. **Struwe, L.** & V. A. Albert. 2004. Gelsemiaceae, Gentianaceae. Pages 164-166, 166-168. In: *Flowering Plant Families of the American Tropics* (A. Henderson, S. A. Mori, S. V. Heald, N. P. Smith, & D. W. Stevenson, eds.), Princeton University Press, Princeton.
17. **Struwe, L.** & S. R. Jensen. 2004. Plocospermataceae. Pages: 330-332. In: *Families and Genera of Flowering Plants* (K. Kubitzki, ed.), vol. Asteridae-Lamiales (J. W. Kadereit, vol. ed.). Springer Verlag, Berlin.
18. Albert, V. A. & **L. Struwe**. 2002. Gentianaceae in context. Pages 1-20. In: *Gentianaceae – Systematics and Natural History* (L. Struwe & V. A. Albert, eds.), Cambridge University Press, Cambridge.
19. **Struwe, L.**, J. Kadereit, J. Klackenberg, S. Nilsson, M. Thiv, K. B. von Hagen, & V. A. Albert. 2002. Systematics, character evolution, and biogeography of Gentianaceae, including a new tribal and subtribal classification. Pp. 21-309. In: *Gentianaceae – Systematics and Natural History* (L. Struwe & V. A. Albert, eds.), Cambridge University Press, Cambridge.
20. **Struwe, L.**, P. J. M. Maas, O. Pihlar, & V. A. Albert. 1999. Gentianaceae. Pages 474-542. In: *Flora of the Venezuelan Guayana*, vol. 5 (P. E. Berry, K. Yatskievych, & B. K. Holst, eds.), Missouri Botanical Garden, St. Louis.

21. **Struwe, L.** & V. A. Albert. 1997. Floristics, cladistics, and classification: three case studies in Gentianales. Pages 321-352. In: *Plant Diversity in Malesia III* (J. Dransfield, M. J. E. Coode, & D. A. Simpson, eds.), Royal Botanic Gardens, Kew.

Refereed articles

1. Mattera, R., T. Molnar, & **L. Struwe**. 2015. *Cornus* × *elwinortonii* and *Cornus* × *rutgersensis* (Cornaceae), new names for two artificially produced hybrids of big-bracted dogwoods. *PhytoKeys* xxx
2. Pollock, N.B., N. Howe, N. I. Irizarry, N. Lorusso, A. Kruger, K. Himmler, & L. Struwe. 2015. Personal BioBlitz: a new way to encourage biodiversity discovery and knowledge in k-9 education and outreach. *BioScience* (in press, Nov 2015)
3. Poster, L. S., J. S. Pringle, & **L. Struwe**. 2015. Identification and descriptions of the Gentianaceae in New Jersey. *Bartonia* 67: 1-34.
4. Pringle, J., L. S. Poster, & **L. Struwe**. 2015. Nomenclature and typification of the Gentianaceae in New Jersey. *Bartonia* 67: 35-57.
5. Beck, A., P. Divakar, N. Zhang, M. C. Molina, & **L. Struwe**. 2014. Evidence of ancient horizontal gene transfer between fungi and the terrestrial alga *Trebouxia*. *Organisms, Diversity, and Evolution*. doi:10.1007/s13127-014-0199-x
6. **Struwe, L.**, V. L. Soza, S. Manickam, & R. Olmstead. 2014. Gelsemiaceae (Gentianales) expanded to include the enigmatic Asian genus *Pteleocarpa*. *Botanical Journal of Linnean Society* 175: 482-496.
7. **Struwe, L.**, L. S. Poster, N. Howe, C. B. Zambell, & P. W. Sweeney. 2014. The hands-on, online learning project Flora of Rutgers Campus: campus floras as a student learning tool for plant systematics. *Plant Science Bulletin* 60: 159-169. doi: 10.3732/psb.1400008
8. Walker, D. M., L. A. Castlebury, A. Y. Rossman, & **L. Struwe**. 2013. Host conservatism or host specialization? Patterns of fungal diversification are influenced by host specificity in *Ophiognomonina* (Gnomoniaceae, Diaporthales). *Biological Journal of Linnean Society*. 111: 1-16. doi: 10.1111/bj.12189
9. Eisenman, S. & **L. Struwe**. 2013. David Fairbrothers, obituary. *Taxon* 62: 417-423.
10. Eisenman, S. W., & **L. Struwe**. 2013. In remembrance: David Fairbrothers. *Bartonia* 66: 74-77.
11. Eisenman, S. W., H. R. Juliani, **L. Struwe**, & J. E. Simon. 2013. Essential oil diversity in North American wild tarragon (*Artemisia dracuncululus* L.) with comparisons to French and Kyrgyz tarragon. *Industrial Crops and Products* 49: 220-232. <http://dx.doi.org/10.1016/j.indcrop.2013.04.037>
12. Molina, M. C., P. K. Divakar, N. Zhang, N. Gonzalez, & **L. Struwe**. 2013. Non-functional ascospores found in apothecia of asexually reproducing lichen-forming fungi. *International Microbiology*. 16:145-155. doi: 10.2436/20.1501.01.189
13. Rocha e Silva, L., E. Lima, M. de Vasconcellos, E. Pereira Aranha, D. Costa, E. Mustafa dos Santos, T. Mesquita da Silva, S. Reis de Moraes, E. Quignard, M. Costa Alecrim, S. Nunomura, **L. Struwe**, V. de Andrade Neto, & A. Pohlit. 2013. In vitro and in vivo antimalarial activity and cytotoxicity of extracts, fractions and a substance isolated from the Amazonian plant *Tachia grandiflora* (Gentianaceae). *Memorias do Instituto Oswaldo Cruz* 108: 501-507 doi: 10.1590/0074-0276108042013017
14. **Struwe, L.** & M. Kinkade. 2013. Revision of *Tachia* (Gentianaceae: Helieae). *Systematic Botany* 38(4):1142-1159. doi: <http://dx.doi.org/10.1600/036364413X674797>
15. Eisenman, S. W., A. O. Tucker, & **L. Struwe**. 2012. Voucher specimens are essential for documenting source material used in medicinal plant investigations. *Journal of Medicinally Active Plants* 1: 30-43. <http://scholarworks.umass.edu/jmap/vol1/iss1/8>

16. Molina, J.E., J. Wen, & **L. Struwe**. 2012. Systematics and biogeography of the non-viny grape relative *Leea* (Vitales). *Botanical Journal of the Linnean Society* 171: 354-376. [published online 20 Nov 2012] doi: [10.1111/j.1095-8339.2012.01320.x](https://doi.org/10.1111/j.1095-8339.2012.01320.x)
17. Pohlit, A.M., E. V. M. dos Santos, T. C. Mesquita da Silva, S. K. Reis de Moraes, S. M. Nunomura, & **L. Struwe**. 2012. A rare secoiridoid monoterpene and a xanthone from *Tachia grandiflora* Maguire & Weaver. *Biochemical Systematics and Ecology* 44: 267-269. doi:[10.1016/j.bse.2012.05.012](https://doi.org/10.1016/j.bse.2012.05.012)
18. Eisenman, S.W., A. Poulev, **L. Struwe**, I. Raskin, & D.M. Ribnicky. 2011. Qualitative variation of anti-diabetic compounds in different tarragon (*Artemisia dracuncululus* L.) cytotypes. *Fitoterapia* 82: 1062-1074. doi:[10.1016/j.fitote.2011.07.003](https://doi.org/10.1016/j.fitote.2011.07.003)
19. Eisenman, S.W. & **L. Struwe**. 2011. The global distribution of wild tarragon (*Artemisia dracuncululus* L.; Asteraceae) cytotypes with twenty-seven new records from North America. *Genetic Resources and Crop Evolution* 58: 1199-1212. doi: [10.1007/s10722-010-9653-6](https://doi.org/10.1007/s10722-010-9653-6)
20. Lepis, K. B., P. J. M. Maas, & **L. Struwe**. 2011. A new species of *Sipapoantha* from northern Brazil (Gentianaceae: Helieae). *Blumea - Biodiversity, Evolution and Biogeography of Plants* 56: 28-32. <http://dx.doi.org/10.3767/000651911X568585>
21. Popovkin, A. V., K. G. Mathews, J. C. Mendes Santos, M. C. Molina, & **L. Struwe**. 2011. *Spigelia genuiflexa* (Loganiaceae), a new geocarpic species from the Atlantic forest of northeastern Bahia, Brazil. *PhytoKeys* 6: 47-56. doi: [10.3897/phytokeys.6.1654](https://doi.org/10.3897/phytokeys.6.1654) [This is the most viewed online paper in the journal published so far]
22. **Struwe, L.**, P. E. Smouse, E. Heiberg, S. Haag, & R. G. Lathrop. 2011. Spatial evolutionary and ecological vicariance analysis (SEEVA), a novel approach to biogeography and speciation research, with an example from Brazilian Gentianaceae. *Journal of Biogeography* 38: 1841-1854. doi: [10.1111/j.1365-2699.2011.02532.x](https://doi.org/10.1111/j.1365-2699.2011.02532.x) [Special Paper]
23. Kellogg, J., G. Joseph, K. Andrae-Marobela, A. Sosome, C.G. Flint, S. Komarnytsky, G. Fear, L. Struwe, I. Raskin, & M. Lila. 2010. Screens-to-nature: opening doors to traditional knowledge and hands-on science education. *NACTA Journal* Sept 2010: 41-48. http://www.nactateachers.org/attachments/article/409/Kellogg_September_2010_NACTA_JOURNAL-10.pdf
24. Novy, A., P. E. Smouse, J. M. Hartman, **L. Struwe**, J. Honig, C. Miller, M. Alvarez & S. Bonos. 2010. Genetic variation of *Spartina alterniflora* in the New York Metropolitan area and its relevance for marsh restoration. *Wetlands* 30: 603-608. <http://link.springer.com/content/pdf/10.1007%2Fs13157-010-0046-6.pdf>
25. Mathews, K. G., N. Dunne, E. York, & **L. Struwe**. 2009. A phylogenetic analysis and taxonomic revision of *Bartonia* (Gentianaceae-Gentianeae), based on molecular and morphological evidence. *Systematic Botany* 34: 162-172. <http://dx.doi.org/10.1600/036364409787602320>
26. Molina, J., & **L. Struwe**. 2009. Utility of secondary structure in phylogenetic reconstructions using nrDNA ITS sequences - an example from Potalieae (Gentianaceae: Asteridae). *Systematic Botany* 34: 414-428. doi: [10.1600/036364409788606424](https://doi.org/10.1600/036364409788606424)
27. **Struwe, L.**, V. A. Albert, M. F. Calió, C. Frasier, K. B. Lepis, K. G. Mathews, & J. R. Grant. 2009. Evolutionary patterns in neotropical tribe Helieae (Gentianaceae): evidence from morphology, chloroplast and nuclear DNA sequences. *Taxon* 58: 479-499. doi: [10.3417/2008040](https://doi.org/10.3417/2008040)
28. **Struwe, L.**, S. Haag, E. Heiberg, & J. R. Grant. 2009. Andean speciation and vicariance in neotropical *Macrocarpaea* (Gentianaceae-Helieae). *Annals of Missouri Botanical Garden* 96: 450-469. doi: <http://dx.doi.org/10.3417/2008040>
29. Calió, M. F., J. Pirani, & **L. Struwe**. 2008. Morphology-based phylogeny and revision of *Prepusa* and *Senaea* (Gentianaceae: Helieae) - rare endemics from eastern Brazil. *Kew Bulletin* 63: 169-191. doi: [10.1007/s12225-008-9030-1](https://doi.org/10.1007/s12225-008-9030-1)

30. Frasier, C., V. A. Albert, & **L. Struwe**. 2008. Amazonian lowland, white sand areas as ancestral regions for South American biodiversity: biogeographic and phylogenetic patterns in *Potalia* (Gentianaceae). *Organisms, Diversity & Evolution* 8: 44-57. <http://dx.doi.org/10.1016/j.ode.2006.11.003>
31. Molina, J. & **L. Struwe**. 2008. Revision of ring-gentians (*Symbolanthus*, Gentianaceae) from Bolivia, Ecuador and Peru, with a first assessment of conservation status. *Systematics & Biodiversity* 6: 477-501. doi: 10.1017/S1477200008002740
32. Polle, J. E. W., **L. Struwe**, & E. Jin. 2008. Identification and characterization of a new strain of the unicellular green alga *Dunaliella salina* (Teod.) from Korea. *Journal of Microbiology and Biotechnology* 18: 821-827. PMID: 18633277
33. **Struwe, L.**, S. Nilsson, & V. A. Albert. 2008. *Roraimaea* (Gentianaceae: Helieae) - a new gentian genus from white sands and tepuis of Brazil and Venezuela. *Harvard Papers in Botany* 13: 35-45. doi: 10.3100/1043-4534(2008)13[35:RGHNGF]2.0.CO;2
34. Grant, J. R. & **L. Struwe**. 2006. *Yanomama araca* (Gentianaceae: Helieae), a new genus and species from outliers of the Guayana Shield on Serra Aracá in Amazonian Brazil. *Harvard Papers in Botany* 11: 33-41. doi: 10.3100/1043-4534(2006)11[29:YAGANG]2.0.CO;2
35. **Struwe, L.**, M. P. Kinkade, & P. J. M. Maas. 2005. Two new Brazilian species of *Tachia* (Gentianaceae: Helieae). *Blumea* 50: 457-462. doi: <http://dx.doi.org/10.3767/000651905X622707>
36. Gould, K. R. & **L. Struwe**. 2004. Phylogeny and evolution of *Symbolanthus* and *Wurdackanthus* (Gentianaceae-Helieae) in the Guayana Highlands and Andes, based on ribosomal 5S-NTS sequences. *Annals of Missouri Botanical Garden* 91: 438-446. <http://www.jstor.org/stable/3298619>
37. Mansion, G. & **L. Struwe**. 2004. Generic delimitation and phylogenetic relationships within the subtribe Chironiinae (Chironieae: Gentianaceae) with special reference to *Centaurium*: evidence from nrDNA and cpDNA sequences. *Molecular Phylogenetics and Evolution* 32: 951-977. doi: 10.3732/ajb.91.12.2069
38. Molina, J. & **L. Struwe**. 2004. *Neuburgia novocaledonica*, comb. nov. and the first record of domatia in the family Loganiaceae. *Australian Systematic Botany* 17: 399-406. doi:10.1071/SB03021
39. **Struwe, L.** & V. A. Albert. 2004. Monograph of neotropical *Potalia* (Gentianaceae: Potalieae). *Systematic Botany* 29: 670-701. doi: <http://dx.doi.org/10.1600/0363644041744428>
40. **Struwe, L.** & K. Gould. 2004. Redefinition of *Symbolanthus* to include *Wurdackanthus* (Gentianaceae - Helieae). *Novon* 14: 354-359. <http://www.jstor.org/stable/3393300>
41. Bischoff, J. F., R. F. Sullivan, N. L. Hywel-Jones, **L. Struwe**, & J. F. White, Jr. 2003. Resurrection of *Blistum tomentosum* and its exclusion from *Polycephalomyces* (Hyphomycetes, Deuteromycota) based on 28S rDNA sequence data. *Mycotaxon* 86: 433-444. <http://www.mycotaxon.com/vol/abstracts/86/86-433.html>
42. Grant, J. R. & **L. Struwe**. 2003. De Macrocarpaeae Grisebach (ex Gentianaceis) speciebus novis III: Six new species of moon-gentians (*Macrocarpaea*, Gentianaceae: Helieae) from Parque Nacional Podocarpus, Ecuador. *Harvard Papers in Botany* 8: 61-81. <http://www.jstor.org/stable/41761781>
43. **Struwe, L.** 2003. Revision of Bolivian *Symbolanthus* (Gentianaceae – Helieae). *Harvard Papers in Botany* 8: 19-24. <http://www.jstor.org/stable/41761777>
44. **Struwe, L.** 2003. Two new winged species of *Symbolanthus* (Gentianaceae: Helieae) from Colombia. *Novon* 13: 133-140. <http://www.jstor.org/stable/3393578>
45. **Struwe, L.** & R. E. Weaver, Jr. 2001. *Lisianthus perkinsiae*, a new name for *Lisianthus acuminatus* Perkins (Gentianaceae: Potalieae). *Taxon* 50: 1161-1162.

46. Grant, J. R. & L. Struwe. 2001. *Macrocarpaeae* Grisebach (Gentianaceae) Species Novae seu notabiles Neotropicae I: An introduction to the genus *Macrocarpaea* and three new species from Colombia, Ecuador, and Guyana. *Harvard Papers in Botany* 5: 489-498. <http://www.jstor.org/stable/41761617>
47. Thiv, M., **L. Struwe**, & J. W. Kadereit. 1999 [2000]. The phylogenetic relationships and evolution of the Canarian laurel forest endemic *Ixanthus viscosus* (Alt.) Griseb. (Gentianaceae): evidence from *matK* and ITS sequence variation, and floral morphology and anatomy. *Plant Systematics & Evolution* 218: 299-317. doi: 10.1007/BF01089233
48. **Struwe, L.** & V. A. Albert. 1999. Nomenclatural issues in Helieae (Gentianaceae): a response to Zijlstra et al. *Harvard Papers in Botany* 4: 293.
49. Thiv, M., **L. Struwe**, V. A. Albert, & J. W. Kadereit. 1999. The phylogenetic relationships of *Saccifolium bandeirae* Maguire & Pires (Gentianaceae) reconsidered. *Harvard Papers in Botany* 4: 519-526. <http://www.jstor.org/stable/41761588>
50. **Struwe, L.** & V. A. Albert. 1998. *Lisianthus* (Gentianaceae), its probable homonym *Lisyanthus*, and the priority of *Helia* over *Irlbachia* as its substitute. *Harvard Papers in Botany* 3: 63-71. <http://www.jstor.org/stable/41761556>
51. **Struwe, L.** & V. A. Albert. 1998. Six new species of Gentianaceae from the Guayana Shield. *Harvard Papers in Botany* 3: 181-197. <http://www.jstor.org/stable/41761568>
52. **Struwe, L.**, M. Thiv, J. Kadereit, T. Motley, A. S-R. Pepper, J. Rova, K. Potgieter, P. White, and V. A. Albert. 1998. *Saccifolium* (Saccifoliaceae), an endemic of Sierra de la Neblina on the Brazilian-Venezuelan frontier, is related to a temperate-alpine lineage of Gentianaceae. *Harvard Papers in Botany* 3: 199-214. <http://www.jstor.org/stable/41761569>
53. Albert, V. A. & **L. Struwe**. 1997. Phylogeny and classification of *Voyria* (saprophytic Gentianaceae). *Brittonia* 49: 466-479. <http://www.jstor.org/stable/2807736>
54. **Struwe, L.**, P. J. M. Maas, & V. A. Albert. 1997. *Aripuana cullmaniorum*, a new genus and species of Gentianaceae from white sands of southeastern Amazonas, Brazil. *Harvard Papers in Botany* 2: 235-253. <http://www.jstor.org/stable/41761549>
55. Farris, J. S., M. Källersjö, V. A. Albert, M. Allard, A. Anderberg, B. Bowditch, C. Bult, J. M. Carpenter, T. M. Crowe, J. De Laet, K. Fitzhugh, D. Frost, P. Goloboff, C. J. Humphries, U. Jondelius, D. Judd, P. O. Karis, D. Lipscomb, M. Luckow, D. Mindell, J. Muona, K. Nixon, W. Presch, O. Seberg, M. E. Siddall, **L. Struwe**, A. Tehler, J. Wenzel, Q. Wheeler, & W. Wheeler. 1996. Explanation. *Cladistics* 11: 211-218.
56. Bremer, B., R. G. Olmstead, **L. Struwe**, & J. A. Sweere. 1994. *rbcL* sequences support exclusion of *Retzia*, *Desfontainia*, and *Nicodemia* from the Gentianales. *Plant Systematics and Evolution* 190: 213-230. doi: 10.1007/BF00986194
57. **Struwe, L.**, V. A. Albert, & B. Bremer. 1994 [1995]. Cladistics and family level classification of the Gentianales. *Cladistics* 10: 175-206. <http://dx.doi.org/10.1006/clad.1994.1011>
58. Bremer, B. & **L. Struwe**. 1992. Phylogeny of the Rubiaceae and the Loganiaceae: congruence or conflict between morphological and molecular data? *American Journal of Botany* 79: 1171-1184. <http://www.jstor.org/stable/2445217>

Non-refereed scientific publications and reports

1. Novy, A., J. M. Hartman, **L. Struwe**, P. Smouse, J. Honig, C. Miller, & S. Bonos. 2008. Patterns of genetic variation of *Spartina alterniflora* in marshes of the New York metropolitan area and significance for marsh restoration. Report to the U.S. Army Corps of Engineers.
2. Peters, W., M. P. Kinkade, A. M. Pohlit, & **L. Struwe**. 2005. *Tachia* field guide. Rutgers University, New Brunswick, NJ, & Instituto Nacional de Pesquisas da Amazônia (INPA), Manaus, Brazil. http://gentian.rutgers.edu/reffiles/Tachia_brochure_English.pdf

3. Peters, W., M. F. Calió, M. P. Kinkade, A. M. Pohlit, & **L. Struwe**. 2005. Guia de Campo para *Tachia*. Rutgers University, New Brunswick, NJ, & Instituto Nacional de Pesquisas da Amazônica (INPA), Manaus, Brazil. [in Portuguese; available online at Gentian Research Network]
4. Peters, W., R. Cortés-B., M. P. Kinkade, A. M. Pohlit, & **L. Struwe**. 2005. Guía de Campo de *Tachia*. Rutgers University, New Brunswick, NJ, & Instituto Nacional de Pesquisas da Amazônica (INPA), Manaus, Brazil. [In Spanish; available online at Gentian Research Network]
5. **Struwe, L.** 2004. Curly-grass fern and Eel-grass. In: *Encyclopedia of New Jersey*. Rutgers University Press, New Brunswick.
6. **Struwe, L.** 2001. Gentianales. In: *Encyclopedia of Life Science*, MacMillan Publishers. www.els.net
7. Lindroth, C. (**L. Struwe**, ed.) 1993. *Våra skalbaggar*. Fältbiologerna, Stockholm. [Facsimile edition of renowned entomologist Carl Lindroth's classic guide to Swedish beetles.]

Educational publications and materials (non-refereed)

1. Shappell, L., J. Blake, B. Angell, & **L. Struwe**. 2015. Field Guide to Weedy Plants of the Eastern US. Chrysler Herbarium, Rutgers University, New Brunswick, NJ.
2. Shappell, L., J. Blake, B. Angell, & **L. Struwe**. 2015. Weedy Grasses & Grass-like Plants of the Eastern US. Chrysler Herbarium, Rutgers University, New Brunswick, NJ.
3. Shappell, L., J. Blake-Mahmud, B. Angell, & **L. Struwe**. 2014. Field guide to weedy plants of New Jersey, v. 2.0. Chrysler Herbarium, Rutgers University, available online. (v. 1.1 published 2013)
4. **Struwe, L.** 2014 (most recent version). Field identification of the 50 most common plant families in temperate regions (including agricultural, horticultural, and wild species). Rutgers University. (updated versions since 2009) Available at: http://www.sci.sdsu.edu/plants/plantsystematics/Identifying_50_major_plant_families.pdf [used widely, e.g., Lethbridge College (Canada), Rutgers University Master Gardener program, State Botanical Garden of Georgia, Tennessee Tech University, University of California Master Gardeners, University of Kent (UK), Univ. Vermont, Washington State University]
5. **Struwe, L.** 2013. Navigating the world of sources, copyrights, and licenses for online images a little guide for college students. Rutgers University.
6. **Struwe, L.** 2012. Academic Integrity at Rutgers University, a guide for students and faculty. Rutgers, updated continuously since 2009, available online. [used as course handout]
7. **Struwe, L.**, & C. Zambell. 2011. Phylogenetic Analysis Flow Chart. Rutgers University. Available at: http://www.sci.sdsu.edu/plants/plantsystematics/Phylo_analysis_flowchart.pdf
8. Dushenkov, V., J. Akimaliev, K. C. Buriev, M. A. Lila, Y. Nuraliev, G. Pichkhadz, **L. Struwe**, J. F. White, G. J. Zylstra, & I. Raskin. 2008. The role of the ICBG program in building new pharmaceutical capabilities in Central Asia. Proceedings of the 1st Congress of Phytotherapists of Tajikistan. Dushanbe, Tajikistan.
9. **Struwe, L.**, S. Dushenkov, S. Eisenman, M. Tadych, & I. Raskin. 2007. International education in biodiversity and biodocumentation - collaborative approaches. Pp. 272-280 in *Ecological Characteristics of Biodiversity*. Khorog, Tajikistan: Academy of Sciences of the Republic of Tajikistan. The Third Republican Scientific Conference "Ecological characteristic of biological diversity": International Pamir Biodiversity Conference, Khorog City, Tajikistan, Jul 25-26, 2007.
10. **Struwe, L.** 2003. Developed *On-Line Subject Research Guide on Botany and Plant Systematics*, Rutgers Libraries. Maintained by librarian Martin Kesselman since 2006. <http://libguides.rutgers.edu/botany>

Book and software reviews

1. Spitz, L., & **L. Struwe**. 2012. Book review of *Aquatic Plants of Pennsylvania* by A. Rhoads & T. Block. *Plant Science Bulletin* 58(3): 137.
2. **Struwe, L.** 1998. Book review of *Flora of Australia*, vol. 28. Gentianales. *Brittonia* 50: 416-418.
3. **Struwe, L.** 1996. Book review of *Vascular plants of Russia and adjacent states* (the former USSR). *Bulletin of the Torrey Botanical Club* 123: 71.
4. **Struwe, L.** & V. A. Albert. 1994. Another apple for the tree of knowledge. *Cladistics* 10: 88-95. (review of *MacClade: Analysis of Phylogeny and Character Evolution*, W. P. Maddison & D. R. Maddison, 1992, Sinauer Associates, Sunderland, MA).

Published abstracts for presentations (five most recent years, out of 118 total)

1. Blake, J. & **L. Struwe**. 2015. Temporal and environmental dimensions of variable sex expression in striped maple, *Acer pensylvanicum* (Sapindaceae). Botany 2015, Edmonton, Canada, July 25-29, 2015.
2. Blake, J. & **L. Struwe**. 2015. #notthatkindofweed: Using spontaneous weedy plants in elementary to college level education. Botany 2015, Edmonton, Canada, July 25-29, 2015.
3. Blake, J., L. Frazee, A. Bhattacharjee, A. Sharma, & **L. Struwe**. 2015. Patterns of plant species diversity in extreme urban environments. Botany 2015, Edmonton, Canada, July 25-29, 2015.
4. Frazee, L. & **L. Struwe**. Patterns of plant species diversity and sexual reproduction in extreme urban environments ESA conference, Baltimore, August 2015.
5. **Struwe, L.** 2015. Teaching botany skills to a new student generation formed by our digital and instant world - learning how, when, and what? Botany 2015, Edmonton, Canada, July 25-29, 2015.
6. **Struwe, L.**, N. Howe, I. Irizarry, N. Lorusso, A. Kruger, N. Pollock, & S. R. Loarie. 2015. Personal BioBlitzing increases biodiversity awareness, excitement of science, and engages people at all educational and age levels. Botany 2015, Edmonton, Canada, July 25-29, 2015.
7. Cullen, N., L. Frazee, & **L. Struwe**. 2015. The effects of urbanization on the growth and reproduction of the common yellow wood sorrel (*Oxalis stricta*). Aresty Undergraduate Research Symposium, Rutgers University, New Brunswick, NJ, April 24, 2015.
8. Capik, J., T. Molnar, R. Mattera, & **L. Struwe**. 2015. Botanical nomenclature in the garden: two hybrid dogwoods get their own scientific names. 2015 Annual Meeting, American Society for Horticultural Science Northeast Region. Newark, Delaware, January 5-7, 2015.
9. Cali3, M. F., K. B. Lepis, J. R. Pirani & **L. Struwe**. 2014. New insights into the generic circumscription of Helieae (Gentianaceae). VI International Rubiaceae and Gentianales Conference, Salvador - Brazil, October 19-22, 2014.
10. Mathews, K., & **L. Struwe**. 2014. Intertribal and interspecific relationships of *Spigelia* (Loganiaceae). VI International Rubiaceae and Gentianales Conference, Salvador - Brazil, October 19-22, 2014.
11. Bhattacharjee, A., J. Blake-Mahmud, L. Frazee, **L. Struwe**. 2014. Weeds under your car: island biogeography in an urban setting. Botany 2014, Boise, ID, July 26-30, 2014. [poster]
12. Blake-Mahmud, J., **L. Struwe**. 2014. Community assembly dynamics over small spatio-temporal scales: an example from fence posts in Costa Rica. Botany 2014, Boise, ID, July 26-30, 2014. [poster]

13. Frazee, L., S. Morris-Marano, **L. Struwe** 2014. Urban environmental education and outreach using edible, wild, and weedy plants. Botany 2014, Boise, ID, July 26-30, 2014. [poster]
14. Jackson, A. W., J. Grabosky, & **L. Struwe**, 2014. Physiological and morphological variation within the hard maple complex. Botany 2014, Boise, ID, July 26-30, 2014.
15. **Struwe, L.**, A. Anholt, J. Baumgarten, N. Howe, N. Pollock. 2014. Personal Bioblitz: a new way to encourage biodiversity knowledge in K-99 education and outreach. Botany 2014, Boise, ID, July 26-30, 2014 [poster]
16. **Struwe, L.**, V. Soza, S. Manickam, & R. Olmstead. 2014. Enigmatic *Pteleocarpa* finds a new home in Gelsemiaceae (Gentianales). Botany 2014, Boise, ID, July 26-30, 2014.
17. Shappell, L. J., J. M. Hartman, & **L. Struwe**. 2014. Hope on the invasion front of Japanese stiltgrass (*Microstegium vimineum*) in headwater wetlands. International Joint Aquatic Sciences Meeting. Portland, OR. May 2014 [poster]
18. Shappell, L.J., J.M. Hartman, & **L. Struwe**. 2014. Hope on the invasion front of Japanese stiltgrass (*Microstegium vimineum*) in headwater wetlands. New Jersey Water Environment Association annual conference. Atlantic City, NJ. May 2014 [poster]
19. Shappell, L. J., **L. Struwe**, J. G. Ehrenfeld. 2013. Japanese stiltgrass dominance as a reflection of flooding in headwater wetlands. Botany 2013, New Orleans, LA, July 27-31 2013.
20. **Struwe, L.** & L. Joseph. 2013. Botanical accuracy and inaccuracy in commercial products – should botanists care? Botany 2013, New Orleans, LA, July 27-31 2013.
21. Blake, J., L. Palatini, & **L. Struwe**. 2013. Do weed biodiversity patterns in urban parking lots fit colonization models of classic island biogeography? Botany 2013, New Orleans, LA, July 27-31 2013. [poster]
22. Poster, L. S., J. Pringle, & **L. Struwe**. 2013. Ecology and conservation of rare gentians in New Jersey. Botany 2013, New Orleans, LA, July 27-31 2013.
23. **Struwe, L.**, F. Calió, & K. Lepis. 2013. White-sand areas as ancestral habitats in Amazonia: Evidence from phylogenetics of Helieae and Potalieae (Gentianaceae). ATBC conference, San Jose, Costa Rica, June 24-28 2013.
24. Spitz, L., C. B. Zambell, P. W. Sweeney, & **L. Struwe**. 2012. FoRC: Flora of Rutgers Campus as an educational research project. Botany 2012, Columbus, OH, 7-11 July 2012. [poster]
25. Walker, D.M., **L. Struwe**, L. A. Castlebury, A. Y. Rossman. 2012. Host niche conservatism or specialization? Evolutionary host patterns in *Ophiognomonia* (Diaporthales: Ascomycota) and the relationship of species diversification to ecological vicariance and plant host niches. Botany 2012, Columbus, OH, 7-11 July 2012.
26. Walker, D.M., **L. Struwe**, L. A. Castlebury, A. Y. Rossman, J. F. White. 2012. Coevolution or host jumping? Host-plant association may influence speciation in *Ophiognomonia* (Gnomoniaceae, Diaporthales). American Phytopathological Society, Potomac Division, Winchester, VA, Mar 14-16, 2012.
27. Calió, M.F., K.B. Lepis, J.R. Pirani & **L. Struwe**. 2011. New insights into the generic circumscription of Helieae (Gentianaceae). IBC 2011, Melbourne.
28. **Struwe, L.**, R. Graziose, S. Brody, M. Sugumar, P. Smith, I. Raskin, and A. Pohlit. 2011. Tropical *Fagraea* and *Tachia* (Gentianaceae) as potential sources of antimalarial treatments. Botany 2011, St. Louis, MI, July 2011.
29. Novy, A., P. Smouse, J.M. Hartman, **L. Struwe**, J. Honig, C. Miller, & S. Bonos. 2011. Genetic variation of *Spartina alterniflora* Loisel. in the New York Metropolitan area and its relevance for marsh restoration. Botany 2011, St. Louis, MO, Jul 2011
30. Brody, S., R. Graziose, I. Raskin, & **L. Struwe**. Malarial Curatives from Northeast United States. 1st Annual Conference of the American Council for Medicinally Active Plants, Jul 20-23, 2010 - Rutgers University, New Brunswick, NJ, USA. [poster]

31. Chuaypradit, V., R. Graziose, & **L. Struwe**. Dogwoods: a new anti-malarial drug? 1st Annual Conference of the American Council for Medicinally Active Plants, July 20-23 2010, Rutgers University, New Brunswick, NJ, USA. [poster]
32. **Struwe, L.** & Sasha Eisenman. On the importance of being vouchered, identified, classified, and properly documented in botanical bioprospecting. 1st Annual Conference of the American Council for Medicinally Active Plants, July 20-23 2010, Rutgers, New Brunswick, NJ.
33. Molina, J., J. Wen, & **L. Struwe**. 2010. Phylogeny and biogeography of Leeaceae (Vitales): Laurasian Tertiary dispersals to Gondwanan continents. International Conference on New Frontiers in Plant Systematics and Evolution. Beijing, China, 7-9 July 2010.
34. Ciotir, C., J. Freeland, K. Mathews, **L. Struwe**, & B. Korol. 2010. Phylogeography of *Bartonia* species in North America and conservation implications of branched *Bartonia*, a possible new species for Ontario. 2010 SPNHC-CBA-ABC Joint Conference, Ottawa, Canada, May-June 2010.
35. Graziose, R., C. Lategan, P. Smith, **L. Struwe**, & I. Raskin. 2010. Antimalarial activity of plants used by the Confederate Army during the American Civil War. Botany 2010, Providence, RI, Aug 2010.
36. **Struwe, L.** & S. Eisenman. 2010. On the importance of being vouchered, identified, classified, and properly documented in botanical bioprospecting, 1st Annual Conference of the American Council for Medicinally Active Plants, Rutgers, July 2010.
37. **Struwe, L.**, E. Heiberg, S. Haag, R. G. Lathrop, & P. E. Smouse. 2010. Tracking evolutionary clades across the space-time-environmental continuum. Botany 2010, Providence, RI, Aug 2010.
38. **Struwe, L.**, K. G. Mathews, M. Molina, & A. Popovkin. 2010. Polite Spigelias: Genuflexing infructescences in a new species of Loganiaceae. Botany 2010, Providence, RI, Aug 2010.
39. Brody, S., R. Graziose, I. Raskin, **L. Struwe**, & C. Lategan. 2010. Malaria curatives from Northeast United States. Botany 2010, Providence, RI, Aug 2010.
40. Tessler, M., & **L. Struwe**. 2010. *Hymenodon* (Rhizogoniaceae): exploring evolution and disjunction in a tropical moss genus. Botany 2010, Providence, RI, Aug 2010.
41. Novy, A., P. E. Smouse, J. M. Hartman, **L. Struwe**, J. Honig, C. Miller, M. Alvarez, & S. Bonos. 2010. An evolutionary ecology approach to marsh restoration with *Spartina alterniflora*. Evolution 2010, Portland, OR, Jul 2010.
42. Sharma, A., A. Novy, S. Bonos & **L. Struwe**. 2010. New Jersey's Swamp Pink: Genetic diversity and what it means for conservation. 24th National Conference on Undergraduate Research (NCUR), Missoula, MT, 15-17 Apr, 2010 [poster by mentored Aresty undergraduate student, selected presentation out of 2600 submitted abstracts]

Invited lectures and presented papers (5 last years)

- 2015 "Rooting out or rooting for weeds - natural and cultural histories of superevolutionary plants", Philadelphia Botanical Club, Philadelphia, PA, 28 May 2015.
- 2015 "Rooting out or rooting for weeds - natural and cultural histories of superevolutionary plants", US Botanic Garden, Washington DC, 22 May 2015.
- 2015 "The good, the bad, and the ugly facts about medicinal plants", Middlesex Master Gardener Program, East Brunswick, NJ, 19 May 2015.
- 2015 "The good, the bad, and the ugly facts about medicinal plants", Archibald S. Alexander Library, Rutgers University, New Brunswick, NJ, 6 May 2015.
- 2014 "The good, the bad, and the ugly facts about medicinal plants", Garden Club of Madison, Madison, NJ, 23 February 2015.
- 2014 Rooting out or rooting for weeds - natural and cultural histories of superevolutionary plants, Rutgers Environmental Stewardship program, Duke Farms, 28 October 2014.

- 2013 “The good, the bad, and the ugly facts about medicinal plants”, U.S. Botanic Garden, Washington, DC, 5 May 2013.
- 2013 “Host niche conservatism or specialization? Evolutionary host patterns in *Ophiognomonina* (Diaporthales: Ascomycota) and the relationship of species diversification to ecological vicariance and plant host niches”. Stony Brook University, Stony Brook, NY, April 2013.
- 2013 “How to manage your references using Mendeley”, Reference managing workshop, Ecology and Evolution Graduate Program, Rutgers, Feb 2013
- 2012 “Medicinal plants of New Jersey”, Short Hills Garden Club, Apr 2012.
- 2011 “*Trebouxia decolorans* – Are there fungal genes in lichen algae?”, Genomes and the Environment: Illumina-sponsored Genomics symposium at Rutgers, May 2011.
- 2010 “Medicinal plants in modern and ancient gardens”, The Garden Club of America, Trenton Chapter, Oct 2010.
- 2010 “Investigating the space-time-environmental continuum using phylogenies, specimen data, and GIS”, Minisymposium Biodiversity Informatics – Systems and Applications, OBIS, Rutgers University, May 2010.
- 2010 “Anti-malarial drugs from plants: an ethnobotanical time travel story from colonialists to modern drug bioexploration”. St. John University, NY, Mar 2010.
- 2010 “Medicinal plants in modern and ancient gardens”, The Garden Club of America National Meeting, East Brunswick, NJ, May 2010.
- 2010 “Medicinal plants of New Jersey”, Rumson Garden Club, The Garden Club of America, Feb 2010.

Languages

English (fluent), Swedish (fluent), some German, limited Botanical Latin.

Field Work Experience

Field collecting in Brazil, Costa Rica, Ecuador, Hawaii, Norway, Puerto Rico, Spain, Sweden, Tanzania, and Turkey, and continental USA. Additional research travel to Finland, South Africa, Switzerland, Tunisia, and Uzbekistan.

TEACHING

Courses and curriculum development

Rutgers: undergraduate courses taught

Evolution of Eukaryotes, 11:704:401, 3 credits, developed new advanced undergrad/grad course and co-taught with Debashish Bhattacharya: Fall 2012.

First-year Byrne seminar: Food and Cooking through Change - A Spicy Walk through the Last 10,000 Years, 11:090:101:09 (2012), 11:090:101:09 (2014), 1 credit, developed new freshman course: Fall 2012, Spring 2014 (14 students)

Fundamentals of Evolution, 11:704:251, 3 credits, developed new sophomore course and co-taught with Siobain Duffy): Spring 2012 (49 students), Spring 2013 (76 students), Spring 2014 (72 students), Spring 2015 (66 students).

Fundamentals of Evolution Lab, 11:704:252, 1 credit, co-taught with Siobain Duffy): Spring 2014 (28 students), Spring 2015 (32 students).

First-year Byrne seminar: Evolution of food, cooking and plants, 11:090:101:12 (2011), 1 credit, developed new freshman course: Fall 2011.

First-year Byrne seminar: Safe or sorry? Herbal medicine, folklore and its scientific evidence, 11:090:101:06, 1 credit, developed new freshman course: Spring 2010.

First-year Byrne seminar: Weeds—What are They Good For? Life and Death among Unwanted Plants, 11:090:101:20, 1 credit, developed new freshman course, Fall 2014 (9 students), scheduled for Fall 2015.

Honors Tutorial III, 2-3 credits, mentoring of independent honors advanced undergraduate research, George H. Cook Honors Program: Spring 2005 (1 student), Fall 2005-Spring 2006 (1 student).

Introduction to Ethnobotany, 11:776:205, 3 credits, developed new sophomore course and co-taught with J. Simon and others: Spring 2003, Spring 2005, Spring 2007, Spring 2009, Spring 2013 (20 students), Spring 2015 (2 guest lectures).

Practical experience in Ecology, Evolution & Natural resources, 11:216:440, 1-3 credits, advising of independent undergraduate research experiences, Spring 2016 (1 student).

Research in Biotechnology, 11:126:497, 1-3 credits, advising of independent undergraduate research projects: Fall 2007 (2 students), Spring 2008 (1 student), Fall 2008 (1 student).

Research in Genetics, 11:447:406/407, 1-3 credits, advising of independent undergraduate research projects: Fall 2009 (1 student), Spring 2010 (1 student), Spring 2011 (1 student).

Research Problems in Ecology, Evolution, and Natural Resources, 11:704:483/484, 1-4 credits: Spring 2013 (3 students), Spring 2014 (2 students).

Plant Diversity and Evolution (aka *Taxonomy of Vascular Plants* before 2007), formerly 11:704:411, now 11:216:411, 4 credits, developed new course, coordinator and lecturer, taught all lectures and labs 2002-2003, co-taught with James French 2005-2007, 100% responsibility 2009 onwards, approved Biology major elective: Spring 2002, Fall 2003, Fall 2005, Fall 2006, Fall 2007, Fall 2009, Fall 2011, Fall 2013 (7 students), Fall 2015 (54 students).

Plant Diversity and Evolution Lab (split off from lecture class in 2015), 11:216:412, 1 credit, developed new course, coordinator and lecturer, taught labs: Fall 2015 (34 students).

Special Problems in Plant Science, 11:776:495, 1-4 credits, advising of independent undergraduate research projects: Spring 2008 (1 student), Fall 2009 (2 students), Fall 2011 (1 student).

Rutgers: Guest lectures, undergraduate courses

Introduction to Ecology and Evolution, 11:704:101, 1 credit: Spring 2012 (1 lecture).

Topics in Ecology and Evolution, 11:704:104, 1 credit: Spring 2008 (1 lecture), Spring 2009 (1 lecture), Spring 2012 (1 lecture).

Dendrology, 11:704:272, 4 credits: Fall 2012 (1 lecture), Fall 2013 (1 lecture), Fall 2014 (1 lecture), Fall 2015 (1 lecture).

Design Week, Department of Landscape Architecture: Spring 2007 (1 guest lecture).

Design Studio, Department of Landscape Architecture: Fall 2011 (1 guest lecture and 1 guest project – design a weed garden).

Principles of Evolution, 11:704:486, 3 credits: Spring 2003 (2 guest lectures).

Horticultural Therapy, 11:776:325, 3 credits: Spring 2003 (1 guest lecture).

International Agriculture: New Crops and New Uses, 11:776:443, 3 credits: Fall 2010 (1 guest lecture).

Introduction to Scientific Research, Douglass Project for Rutgers Women in Math, Science and Engineering, 06:090:130, 3 credits, Spring 2006 (faculty sponsor for 4 freshmen female students' research projects; "Plant Systematics: The Phylogeny of *Strychnos* (Loganiaceae)" by Beth Kushner & Kaitlyn Turo, and "Solid Ballast as Vector of Foreign Plant Species into the Eastern United States" by Hope-Elizabeth Clennon & Katrina Dulatas).

Rutgers: graduate courses taught

Advanced Evolution, (aka "*Journal Club in Evolution*"), 16:215:550, 1 credit (since Fall 2009), run together with Dr. Karl Kjer 2004-2008, with Siobain Duffy since 2011, for faculty,

postdocs, graduate and highly advanced undergraduate students: every semester 2004-present, except Spring 2008, ca. 10-25 people attending each week): Fall 2009 (4 students for credit), Spring 2010 (3 students), Fall 2010 (5 students), Fall 2011 (4 students), Spring 2012 (12 students), Fall 2012 (9 students), Spring 2013 (12 students), Spring 2014 (9 students), Fall 2014 (6 students), Spring 2015 (2 students). Spring 2012 we read *The Origin of Species* by Darwin, Fall 2012 we read *The Selfish Gene* by Dawkins, and Spring 2014 we read *Every Living Thing* by Rob Dunn with each chapter paired with a modern research paper.

Advanced Plant Systematics, 16:215:507, 4 credits, core course in the Plant Biology graduate curriculum, developed new course, coordinator and lecturer, taught all lectures and labs 2002-2003, co-taught with James French 2005-2007, full responsibility 2009 onwards, combined advanced undergraduate and graduate course: Fall 2005, Fall 2006, Fall 2007, Fall 2009, Fall 2011, Fall 2013 (25 students).

Plant Systematics, 16:215:507, 3 credits, developed new course, coordinator and lecturer, scheduled for Fall 2015 (10 students registered).

Plant Systematics Lab, 16:215:507, 1 credit, developed new course, coordinator and lecturer, scheduled for Fall 2015 (8 students registered).

Concepts and Methods in Evolution, 16:215:597, 4 credits, Core course in the Ecology and Evolution graduate curriculum until 2011, co-taught with Karl Kjer and others: Fall 2007, Fall 2008, Fall 2009.

Core Seminars in Plant Biology, 16:765:600, 3 credits, co-coordinator, responsible for planning and grading of first half of course: seminars in Systematics and Organismal Plant Biology, Core course in the Plant Biology graduate curriculum: Spring 2006, Spring 2008, Spring 2012. Hosting of speakers: Jun Wen (Spring 2006), Michael Balick (Spring 2006), Amy Litt (Spring 2006), Chris Hardy (Spring 2008), Lynn Clark (Spring 2008), Cheryl Lyn Dybas (Spring 2008), Elizabeth Kellogg (Spring 2008), Allison Snow (Spring 2010), Yin-Long Qiu (Spring 2012), Allison Miller (Spring 2012), Arthur Tucker (Spring 2012), Damon Little (Spring 2012), Chris Williams (Spring 2012).

Ecology and Evolution Seminar Series, hosting of speakers: Nyree Conard Zerega (Jan 2002), Tim Motley (Nov 2002), Jerry Davis (Feb 2003), Len Hirsch (Dec 2004), Rob Wallace (Mar 2005), Nat Bletter (Jan 2006), Tatyana Livschultz (Apr 2009), Allison Snow (Feb 2010), John L. Clark (Sep 2012), Bernd Blossey (April 2013).

Evolution of Eukaryotes, 16:215:299:02, 3 credits, developed new advanced undergrad/grad course and co-taught with Debashish Bhattacharya: Fall 2012.

Methods in Plant Systematics, 16:765:503, 3 credits, developed new course, Core track course in the Plant Biology graduate curriculum until 2012: Fall 2002 (8 students), Spring 2006 (3 students), Spring 2008 (5 students), Spring 2010 (5 students), Spring 2012 (1 student), Spring 2014 (3 students).

Research in Ecology, 16:215:701/702, 2-6 credits, advising of independent research projects: Spring 2004 (1 student), Fall 2004 (1 student), Spring 2005 (1 student), Summer 2005 (1 student), Fall 2005 (1 student), Spring 2005 (1 student), Spring 2006 (1 student), Fall 2007 (1 student), Spring 2008 (1 student), Fall 2010 (1 student), Spring 2011 (1 student), Fall 2011 (2 students), Spring 2012 (1 student), Fall 2012 (2 students), Spring 2013 (2 students), Fall 2013 (3 students), Spring 2014 (2 students), Fall 2014 (3 students), Spring 2015 (3 students).

Research in Plant Biology, 16:765:701/702, 2-6 credits, advising of independent student research projects: Spring 2004 (2 students), Summer 2004 (2 students), Fall 2004 (2 students), Spring 2005 (3 students), Fall 2005 (3 students), Spring 2006 (2 students), Fall 2006, Spring 2007, Fall 2007 (3 students), Spring 2008, Fall 2008 (2 students), Spring 2009 (1 student), Fall 2009 (2 students), Spring 2010 (1 student), Fall 2012 (1 student), Spring 2012 (1 student), Spring 2015 (1 student).

Educational events and projects at Rutgers

- 2015 Organizer, poster exhibit *Evolution in Action*, posters by 66 students in Fundamentals of Evolution, Foran Hall, May 1, 2015 [with Siobain Duffy]
- 2014 Organizer, poster exhibit *Evolution in Action*, posters by 72 students in Fundamentals of Evolution, Foran Hall, May 5, 2014 [with Siobain Duffy]
- 2013 Organizer, poster exhibit *Evolution in Action*, posters by 70 students in Fundamentals of Evolution, Foran Hall, May 3, 2013 [with Siobain Duffy]
- 2012 Founder and manager, On-line timeline for *Evolution of Food, Agriculture, and Cooking*, develop by freshman Byrne seminar students:
http://timeglider.com/timeline/line_f23aa06f675fec9bdc71b5e1f6dc056
- 2012 Organizer, poster exhibit *Evolution in Action*, posters by 49 students in Fundamentals of Evolution, Foran Hall, May 3, 2013 [with Siobain Duffy]

Rutgers: Guest lectures, graduate courses

- Concepts and Methods in Evolution*, 4 credits: Fall 2011 (2 lectures).
- Integrated Energy Challenges and Opportunities* (I), 16:335:501, 3 credits: Fall 2010, Fall 2011, Fall 2012, Fall 2013 (1 lecture each year).
- Introduction to Plant Biology*, 16:765:501, 3 credits, Core course in the Plant Biology graduate curriculum: Fall 2003, Fall 2005, Fall 2007, Fall 2008, Fall 2009, Fall 2010 (1 lecture each year, and mentoring of student projects).
- Problems in Plant Biology*, 16:765:602, 3 credits: Spring 2010 as *Integrated Energy Challenges and Opportunities* (1 lecture).

Louisiana State University – Baton Rouge

Provided long-distance (video-based) lecture and workshop for NIH Botanical Center on “*Traditional Botanical Taxonomy and Herbarium Voucher Mounting for Identification and Authentication*”, Rutgers University, Mar 2012, and “*Latin Nomenclature and Classification*”, in May 2012.

Purdue University & University of Alabama

Provided lecture and workshop for NIH Botanical Center for Age Related Diseases, Training Session: Botanical Standardization of Medicinal Plants, on “*Traditional Botanical Taxonomy and Herbarium Voucher Mounting for Identification and Authentication*”, Rutgers University Oct 20-21, 2005.

Uppsala University

Teaching assistant for courses in Natural sciences track (undergraduate), Uppsala University: *Introduction to Biology and Earth Sciences* (Spring 1991, Fall 1991, Fall 1992); *Floristics* (Summer 1991); *Advanced Floristics* (Summer 1992, Summer 1993); *Organismal Biology* (Spring 1992).

Landscape Design track (undergraduate), Uppsala University: *Botany* (Spring 1992, Fall 1993).

STUDENTS, MENTORING and ADVISING

{Mentorships marked with * have led to co-authored research publications and/or presentations with abstracts}

Visiting scientists

- 2013 Dr. Katherine Lepis, Monmouth University
- 2012-2015 Dr. John L. Clark, University of Alabama, Tuscaloosa.
- 2008-2012 Dr. Wayne Ferren

2008-2012 Dr. Mari Carmen Molina, Madrid, Spain
2006-2009 Dr. Matthew Palmer, Columbia University, NY

Advised postdoctoral students

2003-2007 Dr. Mariusz Tadych* (ICBG Central Asia).
2000-2001 Dr. Hubert Turner (Molecular systematics of Anacardiaceae).
1999-2000 Dr. Jan De Laet* (Phylogeny of *Lisianthus*, Gentianaceae).

Advised graduate students – PhD

current Lauren Frazee* (co-advisor, Ecology & Evolution Graduate Program, Rutgers [E&E]), Ph.D. track, 2013-. {Albert Fellows Stipend for first year}
current Jennifer Blake-Mahmud* (advisor, E&E). Ph.D. track, 2012-. {full Presidential Fellowship 2012-2014, 2 years}
2015 Laura Shappell* (advisor since 2011, took over after Joan Ehrenfeld passed away, E&E, Rutgers). Ph.D. track, wetland plant ecology, 2009-.
2012 Victoria Ferguson (advisor, Plant Biology Graduate Program, Rutgers [PBG]) PhD track, no degree, 2011-2012.
2012 Amy Manning (advisor, E&E) PhD track, no degree, 2010-2012. Career: Environmental science educator, specialist in edible wild plants.
2010 Dr. Sasha Eisenman* (advisor, PBGP, Rutgers). Ph. D. Taxonomic and ethnobotanical evaluation of Central Asian medicinal plants, 2004-2010. Career: tenure-track Assistant Professor at Temple University.
2009 Dr. Katherine B. Lepis* (advisor, PBGP, Rutgers). Ph.D. Systematics of *Chelonanthus*, Gentianaceae, 2002-2009. Career: Lecturer at Monmouth University; botanical inventory specialist for NJ DEP and Meadowlands Foundation.
2008 Dr. Jeanmaire Molina* (advisor, E&E, Rutgers). Ph.D. Systematics of *Leea* (Leeaceae), 2003-2008. Career: postdoc in Dr. Purugganan's lab at NYU, rice genomics; tenure-track Assistant Professor at Long Island University.
2008 Dr. Cynthia "Cindy" Frasier* (advisor, PBGP, Rutgers). Ph.D. Systematics and biogeography of *Strychnos*, Loganiaceae, 2002-2008. Career: Postdoc with Missouri Botanical Garden in Madagascar on local flora project; postdoc at University of Nevada and Omaha Zoo working on lemurs in Madagascar.
2004 Dr. Joseph Bischoff* (co-advisor, PBGP). Ph.D. Systematics of Clavicipitaceae, Ascomycota. Career: NCBI (Genbank), Fungal Taxonomist; Visiting Scientist, USDA; APHIS National Mycologist, USDA.

Advised graduate students – MSc

current Shenhao (Shawn) Yao (advisor, PBGP, Rutgers). 2014-current. Invasive plant species in NE China and NE North America, a comparative analysis.
2013 Lauren (Spitz) Poster* (advisor, E&E, Rutgers). M. Sc., 2011-2013. Career: currently PhD student in E&E program at Rutgers.
2002 Juanita Choo (advisor, E&E, Rutgers). M.Sc. Ethnobotany of palms. Career: Ph.D. student in ethnobotany with Beryl Simpson, Univ. of Texas-Austin.

PhD dissertation committee memberships (year of graduation)

current Joni Baumgarten (committee member, Ecology & Evolution Graduate Program, Rutgers. Ph.D. track, Soil microbial diversity in energy crop systems.
current Fatima Foflonker (committee member, Molecular Biosciences Graduate Program, Rutgers). Ph.D. track. Genomics of highly salt-tolerant green algae.

- current April Whitney Jackson* (committee member, E&E, Rutgers). Ph.D. track. Climate change effects on native populations of American maples.
- current Julia Perzley (committee member, E&E, Rutgers). Ph.D. track.
- 2015 Julien Vieu (committee member, Université de Neuchâtel, Switzerland). Ph.D., Systematics of *Macroparpea* (Gentianaceae)
- 2015 Ryan Rebozo* (committee member, Drexel University). Ph.D. Population dynamics of the endangered Pine Barren gentian.
- 2014 Brittany Graf (committee member, PBGP, Rutgers). Ph.D. Quinoa as functional food crop.
- 2014 Patricio Rojas (committee member, PBGP, Rutgers) Ph.D. track, Anti-leishmaniasis drugs from plants.
- 2013 Dr. Elena Tartaglia (committee member, E&E, Rutgers). Ph.D. Hummingbird moth ecology and pollination effects.
- 2012 Dr. Ari Novy* (committee member, PBGP, Rutgers). Ph.D. Evolution and population genetics of *Microstegium*. Career: Public Programs Manager at US Botanic Garden, Washington, DC.
- 2012 Dr. Donny Walker* (committee member, PBGP, Rutgers) Ph.D. Evolution and niche evolution of *Ophiognomonia*, Ascomycetes. Career: Assistant Professor at Finlay University, OH.
- 2012 Dr. Rocky Graziose* (committee member, PBGP, Rutgers) Ph.D. anti-malarial drugs from plants. Career: Research Director for Bio-Botanica.
- 2010 Dr. Jeremy Raincrow (committee member, Molecular Biosciences Graduate program, Rutgers). Ph.D. Evolution of hox genes in teleost fishes.
- 2009 Dr. Luis Meija (committee member, PBGP, Rutgers). Ph.D. Evolution of Gnomoniaceae. Career: postdoc at Penn State University; Researcher, Smithsonian Tropical Research Institute, Panama.
- 2007 Dr. Dana Price (committee member, E&E, Rutgers). Ph.D. Evolutionary studies of dung beetles. Career: Assistant Professor at Salisbury University, MD.
- 2004 Dr. Kristin Mylecraine* (committee member, E&E, Rutgers). Ph.D. Population biology and systematics of *Chamaecyparis*, Cupressaceae. Career: postdoc at Lisle Gibbs' lab at OSU, population dynamics of Canada geese; Program Manager, New Jersey Audubon Society.
- 2003 Dr. Philippe Chassot (external jury member at thesis defense, University of Neuchâtel, Switzerland). Ph D: revision of *Swertia*, Gentianaceae.
- 2003 Dr. Jason R. Grant* (external jury member at thesis defense, University of Neuchâtel, Switzerland). Ph.D. Revision of *Macroparpea*, Gentianaceae. Career: Coordinator of External Affairs, National Centre of Competence in Research (NCCR) - Plant Survival, Université de Neuchâtel; Conservation genetics coordinator for international EU-project on alpine plants; Faculty position at Université de Neuchâtel, Switzerland; Director of the herbarium at Université de Neuchâtel
- 2003 Dr. Rocio Cortés*, (committee member, The New York Botanical Garden/CUNY)). Ph.D. Systematics and biogeography of *Retiniphyllum* (Rubiaceae). Career: Professor of botany at Universidad Distrital in Colombia.
- 2001 Dr. Guilhem Mansion* (external jury member at thesis defense, Université de Neuchâtel, Switzerland). Ph.D. Systematics of *Centaurium*, Gentianaceae. Career: postdoc at University of Zürich, Switzerland; Scientific Curator, Botanischer Garten und Botanisches Museum Berlin-Dahlem, Berlin, Germany.

MSc thesis committee memberships

- 2011 Sarah Pena (committee member, E&E, Rutgers). M.Sc.

- 2010 Jessica Cummings (committee member, E&E, Rutgers). M.Sc.
 2008 Niall Dunne* (committee member, E&E, Rutgers). M.Sc. Green roofs and their ecology.
 2008 Bonnie Farrell* (committee member, PBGP, Rutgers) M.Sc. *Aconitum novoboracense*, Ranunculaceae.
 2003 Deborah Gries (committee member, E&E, Rutgers). M.Sc. Use of PalmPilots in botanical teaching in elementary schools.
 2003 Sung Jin Kim (committee member, E&E, Rutgers). M.Sc. Systematics of flea beetles.

Awards to mentored students for co-authored work

- 2014 Best poster in Field-based Graduate Research to graduate Jennifer Blake-Mahmud, SEBS Poster Show, April 2014, Rutgers [awarded to Blake-Mahmud for co-authored poster based on collaborative research largely performed at an OTS research station
 2013 *Best Poster in Field-based Undergraduate Research* to undergraduate Lauren Palatini, SEBS Poster Show, Apr 2013, Rutgers [awarded to Palatini for co-authored poster based on research in my lab]
 2008 *Best Presentation in Historical Botany*, Historical Section of the Botanical Society of America awarded to undergraduate Sarah Kelsey, Botany meeting 2008. [for co-authored poster on research done in Chrysler Herbarium]

Mentored research experiences for graduate students

- 2016 Lisa Dehart, Curation of Dr. Ilnicki's weed collection for Chrysler Herbarium
 2015 Nicholas Lorusso, Ariel Kruger, Nicholas Pollock, Ivelisse Irizarry, & Natalie Howe, Personal Bioblitz 2015
 2014 Nicholas Pollock, Ivelisse Irizarry, & Natalie Howe, Personal Bioblitz 2014
 2014-2015 Robert Mattera, *Cornus* hybrid taxonomy
 2013 Clayton Leadbetter, Rutgers, Cytological research in *Illicium*.
 2012-2013 Natalie Howe, Rutgers, Digitization of lichen and bryophyte collections
 2010-2011 Mike Tessler, non-matriculated. Systematics of *Hymenodon* (Bryophyta)
 2007 Carmen Ulloa, Rutgers-UMRWJ, Evolutionary analysis of global ethnobotanical uses of *Strychnos*.
 2006 Frank Gallagher*, Rutgers, Wood histological studies of trees suffering from heavy-metal stress.
 2006-2007 Greg Dahle*, Rutgers, wood histological studies of branch structures in maples.

Undergraduate students, research experience at Rutgers University

- 2016 Mary Margaret Mumich (female botanical collectors in Chrysler Herbarium's history)
 2016 Lyndsay Paladino, herbarium research
 2015 Anna Harootunian, Aresty research grant recipient (life cycle evolution in urban populations of *Daucus carota*, Queen Anne's lace)
 2015 Kurtis Himmler (Personal Bioblitz 2015)
 2015 Fiona Zheng (Scientific illustrations of trees of Rutgers campus)
 2015 Lauren Brough, herbarium research, Chrysler herbarium (Digitization of Willowood herbarium collection)
 2014-2015 Nicole Cullen, Aresty research grant recipient (fitness evaluation of weedy *Oxalis*)
 2014-2015 Shirley Xiao (leaf anatomy changes during climate change in *Acer*, with Jason Grabosky)
 2014 Travis Kling, RU research advisor for international research (biodiversity of plants in fragmented chalk grass lands in Downs, UK)

- 2014 Alisha Sharma*, Aresty research grant recipient (weeds in parking lots)
- 2013-2015 Aishwarya Bhattacharjee*, Aresty undergraduate research grant recipient
- 2013-2015 Sara Morris-Marano* (edible weeds, opportunity and safety)
- 2014-2015 Kieran Hunt (Flora of Rutgers Campus - trees)
- 2014 Jeffrey Geist (ecology of brown marmorated stink bugs)
- 2014 Katie O'Connell (histological studies of *Acer* leaf anatomy)
- 2014-2015 Nicole Cullen, Aresty research grant recipient (weeds in parking lots)
- 2013 Jessica Gowing (development of lesson plans in how to use weeds as a teaching resource in middle school biology classes)
- 2013-2014 Dominique Dionne, SAS Honors project (invasive weeds and their nursery sources in the Rutgers EcoPreserve)
- 2012 Patrice Crocevera (arthropod biodiversity in raised beds in urban gardens)
- 2012-2015 Lauren Palatini*, Aresty research grant recipient (weed biodiversity in raised beds in urban gardens, and weed inventory of campus parking lots)
- 2011 Jenny Burkhalter (Revision of Andean *Symbolanthus*, Gentianaceae)
- 2011 Shehrireen Bhaktyar (development of positive and negative controls for field assays of bioactive plants)
- 2010 Jeanette Allogio (Revision of Andean *Symbolanthus*, Gentianaceae)
- 2009-2010 Amy Sharma, recipient of Aresty research grant (Population genetics of *Helonias*, swamp pink)
- 2009-2010 Vera Chuaypradit*, recipient of Aresty undergraduate research grant, presenter at Rutgers undergraduate research symposium (Ethnobotany of *Cornus*, dogwoods)
- 2008-2011 Stacy Brody*, recipient of Aresty undergraduate research grant (Review of antimalarial uses of gentians worldwide)
- 2008-2009 David Zaitz, recipient of Aresty research grant (Evolution of *Symbolanthus*)
- 2007-2009 Ramya Raviram*, recipient of Aresty research grant (AFLP-based population genetics of *Metasequoia*)
- 2007 Melissa Li (phylogenetic research in *Leea*)
- 2006 Cindy Puzio (wood anatomy in stressed trees; with Jason Grabosky)
- 2006 Bernie Isaacson (wood anatomy in stressed trees; with Jason Grabosky)
- 2006-2007 Sarah Kelsey* (Introduction of non-native species through ship ballast in New Jersey)
- 2006 Caolan Kovach-Orr*, Cook Honors program (Spatial and evolutionary analysis of Brazilian gentians)
- 2006 Beth Kushner, Douglass Project for Rutgers Women in Math, Science and Engineering (The phylogeny of *Strychnos*, Loganiaceae)
- 2006 Kaitlyn Turo, Douglass Project for Rutgers Women in Math, Science and Engineering (The phylogeny of *Strychnos*, Loganiaceae)
- 2006 Hope-Elizabeth Clennon, Douglass Project for Rutgers Women in Math, Science and Engineering (Solid ballast as vector of foreign plant species into the eastern United States)
- 2006 Katrina Dulatas, Douglass Project for Rutgers Women in Math, Science and Engineering (Solid ballast as vector of foreign plant species into the eastern United States)
- 2005-2006 Dan Kulakowski*, NSF-funded research internship, Cook Honors program (Phylogeny of tribe Helieae, Gentianaceae)
- 2005-2006 Kristen Paul, Project SUPER, Douglass College
- 2005 Phillip Miarmi*, NSF-funded research internship (GIS analysis of distributional and environmental data from gentians)

- 2004-2005 Angela Gorzyca*, NSF-funded research internship, Cook Honors program
(Phylogeny of *Chelonanthus*-Helieae)
- 2004-2005 Wendy Peters* (now Rosica), NSF-funded research internship (trilingual field guide
to *Tachia*, an anti-malarial plant)
- 2003-2005 Matthew Kinkade*, Rutgers Research Council-funded research internship; George
H. Cook Honors' thesis (Revision and systematics of *Tachia* (Gentianaceae))
- 2003-2004 Jillian Jaworski*, NSF-funded research internship (Phylogeny of tribe Helieae).
- 2002-2003 Jeanmaire Molina* (Revision of *Neuburgia*)

Supervised students in Chrysler Herbarium, workstudy or other funding

- 2015 Dorian Wilkerson, Herbarium Technician, Chrysler herbarium
- 2015 Patricia Chan, Herbarium Technician, Chrysler herbarium
- 2014-2015 Rachel Rodriguez, Herbarium Technician, Chrysler herbarium
- 2013-2015 Jill Azzolini, Digitization and Herbarium Technician, upgraded to Interim Collections
Manager, then Collections Manager (Jan 1, 2015 onwards), Chrysler herbarium
- 2013 Ashleigh Rosier, Digitization Technician, Chrysler herbarium
- 2013 Elizabeth Pyshnik, Digitization Technician, Chrysler herbarium
- 2013 Karina Moy, Digitization Technician, Chrysler herbarium
- 2011-2014 Lauren Spitz Poster, Collections Manager, Chrysler Herbarium
- 2011-2012 Kendra Avenger, Digitization Technician, Chrysler herbarium
- 2011-2012 Charlene Smith, Digitization Technician, Chrysler herbarium
- 2008-2011 Sean Lynch, Digitization Technician, Chrysler herbarium
- 2008-2009 Amanda Giesler, Digitization Technician, Chrysler Herbarium
- 2008-2009 Sara Mellor, Digitization Technician, Chrysler Herbarium
- 2008-2009 Charles Oropallo, Digitization Technician, Chrysler Herbarium
- 2008-2009 Ellie Sine, Digitization Technician, Chrysler Herbarium
- 2008-2009 Santiago Salicrup, Digitization Technician, Chrysler Herbarium
- 2008-2009 Jennifer Huang, Digitization Technician, Chrysler Herbarium
- 2008-2009 Katherine Douglas, Digitization Technician, Chrysler Herbarium
- 2008-2009 Nathan Rausch, Digitization Technician, Chrysler Herbarium
- 2008-2009 Lindsey Harrington, Digitization Technician, Chrysler Herbarium
- 2007-2009 Neha Gutham, Herbarium assistant, Chrysler Herbarium.
- 2007 Dakota Goldinger, Herbarium assistant, Chrysler herbarium
- 2004-2005 Sherezade Dubash, Herbarium assistant, Chrysler herbarium
- 2005-2006 Shrada Gottumukkala, Herbarium assistant, Chrysler herbarium
- 2005-2006 Kristen Paul, Herbarium assistant, Chrysler herbarium

SERVICE

Appointments and service at Rutgers University

- 2015-present Honors Program Fellow, SEBS, Rutgers.
- 2015-2018 Member, Instructional Assessment Committee (appointed), SEBS, Rutgers.
- 2015-present Member, Search Committee for the Vice President for International and Global
Affairs, Rutgers.
- 2015-present Member, Institute for Earth, Ocean, and Atmospheric Sciences, Rutgers
University.
- 2015-present Member, Search Committee for extension position in weed science (turfgrass,
forage, and landscape topics), SEBS, Rutgers.
- 2014-present Member, Advisory Group on Academic Integrity, Rutgers-New Brunswick, ad hoc
group appointed by Executive Vice President Dick Edwards.

2014-2015 Member, Search Committee for endowed chair in genomics and genetics, SEBS, Rutgers.

2014-present Faculty Advisor, Rutgers Academy for the Scholarship of Teaching and Learning (RASTL), Graduate School of New Brunswick, Rutgers.

2013-present Member, Research, Professional and Graduate Education Committee, University Senate, Rutgers.

2013-present Elected member of University Senate, representative of Graduate School of New Brunswick, Rutgers. (3 year term)

2013-present Member, Floriculture Greenhouse Oversight Committee, Dept. of Plant Biology and Pathology (DPBP), Rutgers.

2013-2015 Member, New Brunswick Faculty Council, Rutgers.

2013-2015 Member, Academic Standards, Regulations, and Admissions Committee, New Brunswick Faculty Council, Rutgers.

2012-present Board Member, Program for Science Learning, School of Biological and Environmental Sciences, Rutgers.

2012-2014 Member, Executive Committee, DPBP, Rutgers.

2012-2014 Co-chair, Undergraduate Curriculum Committee, DPBP, Rutgers.

2012-2014 Member, IAPP Brazil-Rutgers Planning Committee, Rutgers.

2011-2014 Chair, Curriculum Committee (& ad hoc member of Executive Committee), Ecology and Evolution Graduate Program (E&E), Rutgers.

2010-2011 Member and Interim chair, Curriculum Committee, E&E, Rutgers.

2010-2011 Member, Committee on Evaluation of the Douglass Project, Rutgers.

2010-2011 Interim Member, Biological Sciences Area Committee, Graduate School of New Brunswick, Rutgers.

2009-2014 Member of Admissions Committee, Admissions committee chair (2009-2010, 2013), Member of Executive Committee, and Coordinator of Sustainability and Ecological Impact track, IGERT program in Renewable and Sustainable Fuels, Rutgers.

2009-2012 Member, Executive Committee, DEENR, Rutgers.

2009 Member, PEC Faculty Evaluation Committee, DEENR, Rutgers.

2008-present Delegate for Rutgers University to Organization for Tropical Studies (OTS)

2008-2013 Administrator, SEEVA e-mailing list, Rutgers.

2008-present Administrator, Evolution-RU e-mailing list, Rutgers.

2008-2014 Academic Integrity Facilitator, School of Environmental and Biological Sciences (SEBS), Rutgers. {One of ca. 20 AIF's university-wide, handling all issues of academic misconduct at the undergraduate and graduate level}

2008-present Member, Hutcheson Memorial Forest Executive Committee, DEENR, Rutgers.

2008 Member, Admissions Committee, Plant Biology Graduate Program (PBG), Rutgers.

2007-2010 Member, George H. Cook Honors Committee, SEBS, Rutgers.

2007-2009 Chair, Teaching Enhancement Committee, DPBP, Rutgers.

2007-2008 Chair, Search Committee Evolutionary Biologist, DEENR, Rutgers.

2007 Chair, Progress Assessment Committee, E&E, Rutgers.

2007 Member, Teaching Assessment Committee, DPBP, Rutgers.

2007-2010 Member, Advisory Board, DPBP, SEBS, Rutgers.

2006-2015 Advisory Board on Women in Science, Engineering and Math, Rutgers.

2006 Member, Ad Hoc Advisory Committee on Instructional Computing, SEBS, Rutgers.

2005-present Webmaster and Coordinator, Evolution at Rutgers: <http://evolru.rutgers.edu>

2005-2008 Chair, Fairbrothers' Plant Resources Center Project Fundraising Committee, Rutgers.

2005-2008 Member, Study Abroad Committee, FAS, Rutgers.
 2005 Member, Nominating Committee, E&E, Rutgers.
 2004-present Director, Chrysler Herbarium, Rutgers.
 2004-2006 Member, Admissions Committee, PBGP, Rutgers.
 2004-2005 Member, International Programs Committee, Cook College, Rutgers.
 2004 Member, Science Communication Awards Committee, Cook College, Rutgers.
 2004 Judge, Cook College/NJAES Scientific Communications Awards Poster Contest.
 2003-2009 Associate Program Leader for Biodiversity, Bioinformatics and Training Associate Program, ICBG-Central Asia Project, SEBS, Rutgers.
 2003-2010 Member, Curriculum Committee, PBGP, Rutgers.
 2003-2012 Coordinator, Population and Organismal Track, PBGP, Rutgers.
 2002-present Member, Faculty of the Graduate School-New Brunswick, Rutgers.
 2002-2009 Member, Executive Council, E&E, Rutgers.
 2002-2005 Member, Curriculum Committee, Natural Resources undergraduate major, DEENR, Rutgers.
 2002-2004 Correspondent, Chrysler Herbarium, SEBS, Rutgers.
 2002-2003 Member, Search Committee for Plant Genomics position, DPBP, Rutgers.

Professional appointments and service to societies, institutions, and publishers

2015-present At-large-member, Board of Directors, Organization of Tropical Studies (3 years).
 2015-present Member, Education Committee, Organization of Tropical Studies
 2014-present Botany/Taxonomy Leader, International Research Training Center for Botanicals and Metabolic Syndrome (CBMS), international project in Tajikistan
 2014-present NJ Plant Conservation group, NJ DEP, Trenton, NJ.
 2014-2016 Chair, Publications Committee, American Society of Plant Taxonomists
 2012-2015 Associate Editor, *Botanical Journal of Linnean Society*.
 2012-present Associate Editor, *Phytokeys*.
 2012-2015 Elected member of National Board, American Society of Plant Taxonomists (3 year term)
 2012-2014 Member/Chair, Awards and Grants Committee, American Society of Plant Taxonomists
 2011 Chair, OTS Committee for Outstanding Student Paper Award.
 2011-2013 Member, OTS Membership Committee.
 2010-2011 Associate Editor, *TAXON*.
 2008-present Honorary Research Associate, The New York Botanical Garden.
 2007-2009 Treasurer, Board of Directors, International Bioexploration Society (IBEX).
 2007-2010 Member, The Systematic and Evolutionary Biogeographical Association (SEBA).
 2006-2010 Associate Editor, *Systematic Botany*.
 2006-present Associate Director: Training and Conservation, Global Institute for BioExploration (GIBEX).
 2006-present Honorary Member, Cercle Européen d'Etude des Gentianacées, Lausanne.
 2005 Member, International Review Board, *Annals of Botany*.
 2003-2007 Honorary Curator, The New York Botanical Garden.
 2001-present Founder and webmaster, Gentian Research Network. <http://gentian.rutgers.edu/>
 1999-2014 Adjunct Research Scientist, Brooklyn Botanic Garden.
 1999-present Adjunct Researcher, Stockholm University.
 1995-present Determination of worldwide scientific collections of Gentianaceae and Loganiaceae for the following international herbaria: A, AAU, BELEM, BM, C, CAY, CHRB, COL, CONN, ECON, F, G, GB, GH, HUA, HUT, IAN, INPA, K, L, M, MANCH, MG, MO, MSM, NEU, NOK, NY, P, PORT, QCA, QCNE, RB, S,

SP, SPF, U, UPS, US, USM, VEN, etc. (standard abbreviations following *Index Herbariorum*).

- 1995-2001 Member of Laboratory Committee, The New York Botanical Garden.
- 1995-1996 Senior Editor, *Brittonia*, The New York Botanical Garden.
- 1995 Assistant Editor, *Brittonia*, The New York Botanical Garden.
- 1989-1991 Secretary of Field Biology (1989), and Secretary of Publications (1990-1991), Elected Member to National Executive Board, Fältbiologerna [youth NGO for biological conservation and environmental studies], Sweden.

Other educational service and outreach activities

- 2015 Organizer, informational table on Rutgers Day on *War of the Weeds*. Handouts, understanding evolutionary defenses among weeds, tasting drinks and food including weeds, weed species ID, recipe and field guide handouts, safety of foraging. April 25, 2015 [with Jennifer Blake, Sara Morris-Marano, Lauren Frazee, Shawn Yao, etc.]
- 2014 Organizer, informational table on Rutgers Day on *Eat Your Weeds*. Handouts, tasting weedy drinks, living weeds, recipe handouts, safety of foraging, reached at least 3000 people with information. April 25, 2014 [with Jennifer Blake, Sara Morris-Marano, Lauren Frazee]
- 2014 Organizer and inventor, Personal Bioblitz 2014, Rutgers University, 1 March - 15 May 2014. 30 participants, over 7200 observation reports, over 3600 species reported.
- 2013-present Founder, writer, and administrator. *Botanical Accuracy* blog, www.botanicalaccuracy.com
- 2013 Organizer, workshop on DiSC working styles and efficiency in teamwork, SEBS, Rutgers, May 7 [with Beth Tracy]
- 2013 Organizer, informational table on Rutgers Day on *Weeds of Desire*. Handouts, tasting weedy drinks, living weeds. April 28, 2013 [with Jennifer Blake]
- 2012 Advisor for the Rutgers' Landscape Architect Student team lead by Kate John-Alder, the team won the top prize in the competition "*Parks for the People: A Student Competition to Re-imagine America's National Parks*", arranged by the Van Alen Institute and National Park Service, for their vision for Hopewell Furnace Historic Site in Pennsylvania. (<http://news.rutgers.edu/medrel/news-releases/2012/09/rutgers-landscape-ar-20120927>)
- 2009 Organizer, Seminar as part of Darwin Bicentennial and co-organized by DEENR and the Art History Department at Rutgers, "*Cultural Selection: On the Origins of Visual Species*", talk by Dr. Larry Silver, Zimmerli Art Museum, New Brunswick, NJ, 12 Feb 2009.
- 2009-present Founder and Administrator for three photo group pools on Flickr: Botanical Morphology and Anatomy (284 members, over 3600 photos: <http://www.flickr.com/groups/botmorph/>), Economic Botany (123 members, over 2800 photos: <http://www.flickr.com/groups/econbot/>), and Organization for Tropical Studies (14 members, over 180 photos: <http://www.flickr.com/groups/orgtrop/>). (ongoing)
- 2008 Organizer, 5-day Training Course in "*Preserving and Evaluating Biodiversity through Screens-to-Nature technology*", Maquipucuna Reserve, Ecuador, arranged through GIBEX and Rutgers University, 21-25 Jan 2008.
- 2007-present Served as Scientist mentor for a student science team from ca. two high schools per semester within the national PlantingScience web-based educational project. (ongoing since 2007) <http://www.plantingscience.org/>

- 2007 Organizer, Colloquium “*Integration of spatial and ecological data in evolutionary studies*”, Botany 2007, Chicago, 7-11 July 2007.
- 2007 Organizer, Exhibit ‘*Botanical Art of the Pinelands*’, Chang Library at Rutgers, 6-23 Apr 2007.
- 2007 Organizer, 6-day Workshop “*Biodiversity Conservation, Science and Management of Protected Areas: The Yellowstone Experience*”, Yellowstone National Park, ICBG Central Asia and Rutgers University, 26 Aug-3 Sep 2007.
- 2007 Montclair State College, NJ: Invited speaker in Westin high-school science summer program, talk on *Food, drugs and poisons from New Jersey plants* (July 2007).
- 2006-2007 Organizer, *Biodiversity BioBlitz* at Old Bridge, NJ, 3 days, Oct 2006, Apr 2007, Jun 2007.
- 2005-2009 Hutcheson Memorial Forest, Rutgers: Guided tours, *Native and invasive plants* (2005), *Springflowers* (2006, 2008), and *How to press plants* (2009).
- 2005 Organizer, “*Training course in Biodocumentation*”, ICBG Central Asia project, Rutgers University, Tashkent, Uzbekistan, and Bishkek, Kyrgyzstan, Nov 2005.
- 2005-present Initiator and collaborator in setting up and maintaining a living Teaching Collection of plants at the Floriculture Greenhouse, Rutgers.
- 2005 Organizer, “*David Fairbrothers’ Honorary Mini-Symposium*”, Rutgers University, 4 Jun 2005.
- 2005-2013 Rutgers Day / AgField Day, SEBS / Cook College, Rutgers: Botanical tours of the floriculture greenhouses (2005, 2006, 2007, 2009, 2010, 2013).
- 2004 Organizer, Workshop and seminar on the U.N. Convention of Biological Diversity with Leonard Hirsch, ICBG Central Asia project, Rutgers University, 6 Dec 2004.
- 2003 U.S. Dept. of Labor: Featured as example of Plant Scientist in their production of videos on 500 possible career choices distributed to high schools nationwide (May 2003).
- 2000 4-H Nature Force, Highland Park: Spring 2000, fieldtrip to horticultural greenhouses at Rutgers.

K-12 educational service and outreach

- Eastchester Public School District, NY: Elementary school class, *Flowers* (2 classes, Spring 2000).
- Highland Park Public School District, NJ: Elementary school classes, *Celebrating St. Lucia in Sweden* (3 classes, 4th grade, Fall 2001); *Rainforests* (2 classes, 2nd grade, Spring 2000), *What did dinosaurs eat?* (2 classes, 1st grade, Spring 2000); *Rainforest* (1 class, 2nd grade, Spring 2002), *Plant parts we eat* (1 class, 3rd grade, Spring 2002).
- Long Branch High School, Long Branch, NJ: Presentation for 200+ high school students on being a scientist as part of their Science Career Fair Day (2009).
- Montgomery Township School District, NJ: Judge for 3th & 4th grade science fair “The Magic of Science”, (Spring 2005); Two classes and hands-on experience on scientific collections of plants for a 4th grade class in Village School (Spring 2005); lecturing and hands-on activities for four 6th grade classes on hominid evolution, fossils, and science (Fall 2005); nominated Ms. Ariana Erickson, 6th grade teacher, for Evolution travel award, which she was given by the Geological Society of America to attend the AAAS Teachers Forum on “Evolution on the Frontline” (Feb 2006); three 6th grade classes on hominid evolution, fossils, and science (Fall 2007); two 7th grade Science classes on plant classification and native trees (Fall 2008).

Referee service for journals, grant agencies, publishers, and institutions

Journals: American Journal of Botany (2012), Annales Botanici Fennici (2005), Annals of Botany (2005), Annals of Missouri Botanical Garden, Australian Systematic Botany (2006, 2007), Blumea (2010), Botanical Journal of the Linnean Society (2007, 2010, 2012, 2013), Botanische Jahrbücher (2006), Bulletin of the Torrey Botanical Club, Brittonia, Cladistics, Edinburgh Journal of Botany (2010), Evolution (2003), Flora Neotropica (2008), International Journal for Plant Science (2006, 2015), Journal of Ethnobiology, New Zealand Journal of Botany (2003), Madroño (2006, 2008), Molecular Phylogenetics and Evolution (2003, 2009), Organisms Diversity and Evolution, Plant Systematics and Evolution, Rhodora (2008), Springer Verlag, Systematic Biology, Systematic Botany (2003, 2008, 2009, 2011, 2013), Taxon (2003, 2005, 2009, 2010), Telopea (2013).

Publishers: Ben Roberts Company (2011), Oxford University Press (2008), McGraw-Hill (2012), Springer (2014).

Grants and foundations: NSF reviewer (2003, 2004, 2005, 2007, 2008, 2009, 2010, 2011), NSF panel (2007, 2008), Swiss National Science Foundation (2014), South Africa National Science Foundation (2007).

Evaluations for scientific hires and tenure: Numerous, not listed here due to confidentiality.

Professional development and certifications (selected)

Certified by Rutgers University in Human Subjects Research, Rutgers, 6 June 2013 (IRB and FWA compliance)

OASIS leadership program for women in STEM sciences, Rutgers, Sep-Dec 2012.

USDA workshop on Invasive Species, Beltsville, MD, 21-22 Mar 2012.

NSF workshop on Herbarium Infrastructure, Chico, California, 29-30 Jul 2006.

Traveling Faculty Seminar, Rutgers University, 2-7 Jun 2008.

PUBLICITY

Cornus hybrids

World-famous, but nameless, new species names for 2 garden dogwoods, August 2015:
Phys.org

Urban weeds:

Extreme weeds of Parking Lots, episode 6 video in the *Plants are Cool, Too* series made by Chris Martine, Bucknell University, 2015, available on Youtube:

<https://www.youtube.com/watch?v=HpstofPFX0I> (featured at web pages and news casts from Rutgers University, also presented at Missouri Botanical Garden's *Plants Appreciation Day*, May 18, 2015).

Botanical Accuracy media:

Articles about the mistake of showing *poison ivy instead of poison oak* in Apple's iPhone advertising, Fall 2012 (selected media): Business Insider, CNet, The Inquirer, Newsday, and blogs. Selected article: iPhone's Siri misidentifies poison oak in ad, NewsDay:

<http://newyork.newsday.com/news/nation/iphone-s-siri-misidentifies-poison-oak-in-ad-1.3862333>

***Spigelia genuflexa* (Loganiaceae)**

This new species was named after its geocarpic features (unique in the family), featured in the following media and countries (selection) during Spring 2012: Argentina: El Intransigente; Australia: The Conversation; Austria: Der Standard; Brazil: Estadão, Gazetaweb; Colombia: La Patria; Ecuador: Ecuador Ciencia, La Hora; France: Futura-Sciences; Germany: Wissenschaft, KölnCampus 100.0; India: The Times of India, Hindustan Times; Italy: Green Report, Galileo, Famiglia Cristiana; Latin America: BBC Mundo;

Macedonia: Daily; Mexico: Taringa; Panama: La Estrella; Romania: Descopera, Realitatea; Russia: Infox, RIA; Portugal: Naturlink; Serbia: Blic; United Kingdom: BBC, The Guardian, The Register, Richard Dawkins Foundation; USA: Ask.com, Botany Photo of the Day, Cunabulum blog, Discover Magazine, Huffington Post, Live Science, MSNBC Web News, New Scientist blog, PBS Nature, Philadelphia Inquirer, The American Gardener, ScienceDaily, Science 2.0 Win, Scientific American, TED Blog, The Nature Conservancy, UPI, Yahoo Answers; Venezuela: El Nacional; Vietnam: Thanh Nien.

Press release: http://www.eurekalert.org/pub_releases/2011-09/pp-abi091411.php New species of genuflecting plant buries its own seeds by Alejandra Martins, BBC News: <http://www.bbc.co.uk/nature/15033695>

New to Nature species 81 by Quentin Wheeler, The Guardian:

<http://www.guardian.co.uk/science/2012/aug/19/new-to-nature-spigelia-genuflexa>

Gentians and their ethnobotany:

Featured in the book *Drunken Botanist* by Amy Stewart, Algonquin Books, 2012. (including named recipe)

Interviewed for the newspaper *Boston Globe* regarding Moxie and its gentian ingredients and medicinal value, Jul 2007.

Interviewed for and provided information for the magazine *Perennials* regarding cultivated North American gentians, May 2003.

Medicinal plant research:

Interviewed for article in *Chemical & Engineering News* by Lisa M. Jarvis on our research on anti-malarial plants (May 25, 2009; Vol. 87 (21): 20-21)

<http://pubs.acs.org/cen/business/87/8721bus2.html>

Interviewed for the newspaper *StarLedger* regarding *GIBEX and bioexploration*, Feb 2008 [front page article].

Interviewed for the newspaper *Courier Post* regarding safety of the hallucinogen *Salvia divinorum*, May 2006.

Macroparpea apparata, Apparating moon-gentian.

This new species was named after a word used in J. K. Rowling's books about Harry Potter, featured in the following media (selection): NJ, USA: Home News Tribune (feature length article), New Jersey Farmer Newspaper, The Times of Trenton (feature length article); USA: Time Magazine, ScienceDaily, The Learning Matrix, The South Coast Beacon, HeadlineScanner.com, Newstrove.com, Exonews, Ecuador Breaking News, Moreover, Economist.com, BentleyBlog, LiveJournal.com, Living Earth - program on NPR (National Public Radio), About.com -The Complete Forestry Home Page, Cyanova, Dallas Morning News, Fairbanks Daily News-Miner, Science Scope, The Plant Press (Smithsonian), SNET, NewsIsFree, Zedd.org, Exonews, Families for the Rainforest; Brazil: ISTOÉ Express, Pomo News; Ecuador: El Comercio; Germany: Wissenschaft-online, Innovations Report, Newsletter from Max-Planck-Institute; India: The Hindu; Japan: Yomiuri Shinbun; Poland: Wloclawski Serwis Internetowy; Romania: DNT Science News; Russia: Echo of Moscow, Poisk; Switzerland: Basler Zeitung online; United Kingdom: Wildlife News; various Harry Potter Fan web sites in United Kingdom, USA, Finland, The Netherlands, Sweden, Brazil, and Germany.

Press release: <http://www.sciencedaily.com/releases/2003/06/030624085615.htm>

Press: Discovery of *Macroparpea apparata* mentioned in Time Magazine in the article "Person of the Year runners-up: J.K. Rowling" by Nancy Gibbs (Dec 17, 2007)

Interviewed for *Home News Tribune*, *Fairbanks Daily News-Miner*, *The Times of Trenton* regarding the discovery of the new species *Macroparpea apparata*, 2003.

Botanical Art

The botanical illustration by renowned artist Bobbi Angell and the story behind the discovery of the new species Jason's ring gentian (*Symbolanthus jasonii*) was featured in the

traveling art exhibit "Losing Paradise? Endangered Plants Here and Around the World", arranged by The American Society of Botanical Artists. This Ecuadorian species was described by Dr. Lena Struwe and E&E doctoral student Jeanmaire Molina in 2008. The art exhibit has been featured at The New York Botanical Garden, The Smithsonian Institution, Chicago Botanic Garden, and Missouri Botanical Garden.

The exhibit *Botanical Art of the Pinelands* featured in local news media, May 2007.

Metasequoia (dawn redwood) research:

Interviewed for the newspaper *Starledger* regarding *Metasequoia* genetic research, Oct 2007 [front page article].

Interviewed for the TV station NJN (PBS) regarding *Metasequoia* genetic research, Oct 2007 [featured in weekly science news].

Women in Science:

Featured in the book *Who's afraid of Marie Curie? The challenged facing women in science and technology* by Linley Erin Hall, Seal Press, 2008.

General biodiversity:

Featured in the book *Strange New Species: Astonishing Discoveries of Life on Earth* by Elin Kelsey, published 2005.