

SCOTT A. LAGRECA

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PROFESSIONAL EXPERIENCE

Duke University

Collections Manager, Lichens

- Manage and develop a collection of over 160,000 lichen specimens, including accessions, gifts and loans.
- Maintain a database of lichen specimens using Specify 6.
- Oversee work-study students in preparation and georeferencing of lichen specimens.
- Answer inquiries and help visitors from the scientific community and the general public, including thin-layer chromatography of lichen specimens.
- Perform phylogenetic, taxonomic and floristic research on lichens.

Durham NC

October 2017 – present

Cornell University

Curator of the Plant Pathology Herbarium

- Manage a collection of about 400,000 fungus and lichen specimens, including all filing and loan records.
- Develop and maintain database of fungus and lichen specimens using Specify 6.
- Develop collections policies and plans for an entire herbarium.
- Oversee workflow and data entry for three NSF ADBC grant-funded projects, and data management for one NSF DBI award.
- Assist visitors and answer inquiries from the scientific community and the general public. Create outreach programs and exhibition materials for the general public.
- Perform taxonomic and floristic research on fungi and lichens.

Ithaca NY

April 2011 – September 2017

Berkshire Museum

Natural Science Coordinator

- Curate permanent natural history galleries and special exhibitions.
- Plan and deliver interpretive natural science programming for school groups and the general public.
- Manage a diverse collection of 15,000 natural history objects including shells, minerals, birds, insects, mammals, and plants.
- Assist with the care and feeding of live animals (aquarium and vivarium)

Pittsfield MA

August 2008 – March 2011

New York State Museum

Volunteer (unpaid position)

- Help with curation and identification tasks in a collection of 20,000 lichen specimens.
- Perform taxonomic and floristic research on lichens.

Albany NY

September 2007 – March 2011

The Natural History Museum

Curator of Lichens

- Manage a collection of 400,000 natural history specimens, including all filing and loan records.
- Assist with exhibitions and interpretive programming.
- Assist visitors and answer inquiries from the government, the scientific community and the general public.
- Perform taxonomic and floristic research on lichens.

London UK

June 2004 – March 2008

Acting Manager of the Cryptogamic Herbarium

- Develop collections policies, and space allocation/usage, for the cryptogamic herbarium (algae, pteridophytes, bryophytes, lichens and myxomycetes).
- Supervise three botany curators.

April 2006 – September 2007

Harvard University

Curatorial/Research Associate, Farlow Herbarium

- Manage a large collection of natural history specimens, including all filing and paperwork.
- Manage work experience students and volunteers, assist visitors, and answer inquiries.
- Perform taxonomic and floristic research on lichens.

Cambridge MA

January 1998 – May 2004

James Madison University

Visiting Assistant Professor, Department of Biology

- Teach courses in General Botany (lectures) and Molecular Biology (labs).

Harrisonburg VA

Fall 1997

Smithsonian Institution
Botany Department Intern, National Museum of Natural History

Washington DC
Summer 1991

Boyce-Thompson Institute for Plant Research
Plant Taxonomist

Ithaca NY
Summer 1990

Cornell University
Curatorial Assistant, L.H. Bailey Hortorium

Ithaca NY
January 1989 – May 1991

EDUCATION

Doctorate (Ph.D.)

Botany

Duke University

May 1997

Bachelors (B.S.)

Plant Science

Cornell University

May 1991

SELECTED PEER-REVIEWED PUBLICATIONS

Cristóbal, I., P. Juraj, E. Lagostina, S. LaGreca, S. Leavitt, L. Muggia, Z. Palice, S. Pérez-Ortega, and C. Printzen. In press. Whole genome amplification as an innovative approach for genomic studies in lichenized fungi. Submitted to: IMA Fungus. [<https://doi.org/10.21203/rs.3.rs-1725113/v1>]

Cannon, P., S. Ekman, S. Kistenich, S. LaGreca, C. Printzen, E. Timdal, A. Aptroot, B. Coppins, A. Fletcher, N. Sanderson, & J. Simkin. 2021. Lecanorales: Ramalinaceae, including the genera *Bacidia*, *Bacidina*, *Bellicidia*, *Biatora*, *Bibbya*, *Bilimbia*, *Cliostomum*, *Kiliasia*, *Lecania*, *Megalaria*, *Mycobilimbia*, *Phyllopsora*, *Ramalina*, *Scutula*, *Thalloidima*, *Toninia*, *Toniniopsis* and *Tylothallia*. *Revisions of British and Irish Lichens* 11: 1-82.
<https://www.britishtichensociety.org.uk/sites/www.britishtichensociety.org.uk/files/Ramalinaceae.pdf>

Phillips, T., K. Storms, N. Slack & S.A. LaGreca. 2021. The mosses, liverworts and lichens of the Dyken Pond Environmental Education Center, Grafton, NY. *Evansia* 38: 1-8.

LaGreca, S.A., G.B. Perlmutter, D.H. Goldman, R.C. Seavey & J.L. Seavey. 2021. Lichen diversity on an arborescent runner oak (*Quercus pumila*) in South Florida, USA. *Evansia* 38: 16-26.

LaGreca, S. 2020. *Chrysothrix bergeri* (Ascomycota: Arthoniales: Chrysothricaceae), a new lichen species from the southeastern United States coastal plain, the Caribbean, and Bermuda. *Plant and Fungal Systematics* 65: 509-514.

Perlmutter, G., E. Rivas Plata, S. LaGreca, A. Aptroot, R. Lücking, A. Tehler & D. Ertz. 2020. *Biatora akompsa* is revealed as a disjunct North American species of *Pentagenella* (Opegraphaceae) through molecular phylogenetic analysis and phenotype-based binning. *The Bryologist* 123: 502-516.

LaGreca, S. 2020. Two unusual secondary products new to *Ramalina*. *Graphis Scripta* 32(2): 48-51.

LaGreca, S., H.T. Lumbsch, M. Kukwa, X. Wei, X., J.E. Han, K.H. Moon, H. Kashiwadani, A. Aptroot & S.D. Leavitt. 2020. A molecular phylogenetic evaluation of the *Ramalina siliquosa* complex, with notes on species circumscription and relationships within *Ramalina*. *The Lichenologist* 52: 197-211.
doi:10.1017/S0024282920000110

Miadlikowska, J., N. Magain, W.R. Buck, R. Vargas Castillo, G.T. Barlow, C.J. Pardo-De la Hoz, S. LaGreca & F. Lutzoni. 2020. *Peltigera hydrophila*, a new semi-aquatic cyanolichen species from Chile. *Plant and Fungal Systematics* 65: 210-218.

LaGreca, S., S. Goyette & I.D. Medeiros. 2018. The lichens of Lizard Lick, North Carolina. *Evansia* 35: 53-57.

Berger, F., S. LaGreca & A. Aptroot. 2016. *Lithothelium bermudense* sp. nov., a new saxicolous lichen from Bermuda. *Mycotaxon* 131: 527-533.

LaGreca, S. 2015. The Richard P. Korf Herbarium and CUP's geographical collections: the enduring legacy of a globe-trotting mycologist. *Ascomycete.org* 7: 245-254.

- Berger, F. & S. LaGreca. 2014. Contributions to the lichen flora of Bermuda—Part I. New records, new combinations, and interesting collections of lichenized ascomycetes. *Evansia* 31: 41-68.
- LaGreca, S. & H.T. Lumbsch. 2013. Taxonomic investigations of *Lecanora strobilina* and *L. symmicta* (Lecanoraceae, Lecanorales) in northeastern North America. *The Bryologist* 116: 287-295.
- LaGreca, S. 2012. The lichens of Windsor Jambos, Massachusetts. *Evansia* 29: 93-100.
- Carbone, M., C. Agnello & S. LaGreca. 2012. *Plectania seaveri* (Ascomycota, Pezizales), a new discomycete from Bermuda. *Mycotaxon* 120: 317-329.
- Alstrup, V., Aptroot, A., Divakar, P.K., LaGreca, S. & L. Tibell. 2010. Lichens from Tanzania and Kenya III. Macrolichens and calicioid lichens. *Cryptogamie, Mycologie* 31: 333-351.
- LaGreca, S. 2010. Highlights from Berkshire BioBlitz 2010—the first major biological survey in Berkshire County! Our BerkshireGreen Magazine (Sept-Nov 2010): 18-19.
- LaGreca, S. 2009. Berkshire County's Amazing Amphibians. Our BerkshireGreen Magazine (Aug-Nov 2009): 22-23.
- Aptroot, A., Sparrius, L., LaGreca, S. & F. Bungartz. 2008. *Angiactis*, a new crustose lichen genus in the family Roccellaceae with species from Bermuda, the Galápagos Islands, and Tasmania. *The Bryologist* 111: 510-516.
- Kantvilas, G. & S. LaGreca. 2008. *Lecanora subtectata*, an Australian species in the *Lecanora symmicta* group (Lecanorales). *Muelleria* 26: 72-76.
- Hawksworth, D.L. & S. LaGreca. 2007. New bottles for old wine: fruit body types, phylogeny, and classification. *Mycological Research* 111: 999-1000.
- LaGreca, S. 2006. Notes on the chemistry of *Maronea constans* and *Maronea polyphaea* (Fuscideaceae). *The Lichenologist* 38: 595-598.
- LaGreca, S., and B.W. Stutzman. 2006. Distribution and ecology of *Lecanora conizaeoides* in eastern Massachusetts. *The Bryologist* 109: 335-347.
- LaGreca, S., Lay, E., Kneiper, E., Greene, D. & M. Lincoln. 2005. The lichens and bryophytes of the Boston Harbor Islands. *Northeastern Naturalist* 12 (Special Issue 3): 77-98.
- Kneiper, E., Lay, E., Greene, D., LaGreca, S., LeBaron, F. & M. LeBaron. 2003. Clara Cummings Walk nets *Lecanora conizaeoides* for the Boston area. *Evansia* 20: 157-158.
- Martin, M.P., LaGreca, S. and H.T. Lumbsch. 2003. Molecular phylogeny of *Diploschistes* inferred from rDNA sequence data. *The Lichenologist* 35: 27-32.
- Lincoln, M.S.G. and S. LaGreca. 2002. A new, northern location for the liverwort *Telaranea nematodes* (Gottsche ex Austin) M.A. Howe. *Evansia* 19: 69-70.
- LaGreca, S., and H.T. Lumbsch. 2001. No evidence from rDNA ITS sequence data for a placement of *Ramalinora* in the Ramalinaceae. *The Lichenologist* 33: 172-176.
- LaGreca, S., and H.T. Lumbsch. 2001. Three species of *Lecanora* new to North America, with notes on other poorly known lecanoroid lichens. *The Bryologist* 104: 204-211.
- LaGreca, S., and H.T. Lumbsch. 2001. The phylogenetic position of the Candelariaceae (Lecanorales) inferred from anatomical and molecular data. *Bibliotheca Lichenologica* 78: 211-222.
- LaGreca, S. 1999. A phylogenetic evaluation of the *Ramalina americana* chemotype complex (Lichenized Ascomycota, Ramalinaceae) based on rDNA ITS sequence data. *The Bryologist* 102: 602-618.

- Culberson, C.F., LaGreca, S., Culberson, W.L. and A. Johnson. 1999. Trivariic acid, a new tridepside in the *Ramalina americana* complex (Lichenized Ascomycota, Ramalinaceae). *The Bryologist* 102: 595-601.
- Groner, U., and S. LaGreca. 1997. The 'mediterranean' *Ramalina panizzei* north of the Alps: chemical, morphological, and rDNA sequence data. *The Lichenologist* 29: 441-454.
- LaGreca, S. 1996. Oleaceae. Pp. 342-345 in: P. Acevedo-Rodriguez (and collaborators), *Flora of St. John, U.S. Virgin Islands* (Mem. NYBG #78). New York Botanical Garden, New York.

OTHER PUBLICATIONS

- LaGreca, S. 2020. Three West Coast endemic *Ramalina*'s are closely related. *Bulletin of the California Lichen Society* 27(1): 22-23.
- LaGreca, S. 2020. History of the New York State Botanist position. *NY Flora Association Newsletter* 31 (1): 15-17.
- LaGreca, S. 2020. The lichens and lichenicolous fungi of the Bermuda Isles [website]. The Natural History Museum: <http://bermudalichens.myspecies.info> (First Posted 20 July 2007, Most Recent Update 30 January 2020), London, UK.
- LaGreca, S. and R. Dirig. 2020. [Lichen checklist for:] Berkshire County, Massachusetts [website]. Consortium of North American Lichen Herbaria (CNALH): <http://lichenportal.org/portal/checklists/checklist.php?cl=1231&emode=0>, (First Posted 20 June 2012, Most Recent Update 12 January 2020), Madison, WI.
- LaGreca, S. 2017. [Review of:] McCoy, P., 2016, *Radical Mycology: a treatise on seeing and working with fungi*. *Symbiosis* 71: 165-166.
- LaGreca, S. 2016. [Review of:] Davy, S., (with A. Davey), 2015, *The Lichens of Jersey*. *The Bryologist* 119: 463-464.
- LaGreca, S. 2014. [Review of:] M.R.D. Seaward: *Census Catalogue of Irish Lichens*. *The Bryologist* 117: 218.
- LaGreca, S. 2011. The Lichens of Tower Road [blog post]. Cornell University Mushroom Blog: <http://blog.mycology.cornell.edu/2011/12/16/the-lichens-of-tower-road/> (Posted 16 December 2011).
- LaGreca, S. 2011. The Daniel Clark Mineral Collection. *The Streakplate* [newsletter of the Northern Berkshire Mineral Club] 53 (4): 1-3.
- LaGreca, S. 2011. Groupings of Organisms and Key Experts: 2010 Berkshire BioBlitz, Pittsfield State Forest, June 4 & 5, 2010. Published by the author, Berkshire Museum, Pittsfield, MA. 41 pp.
- LaGreca, S. 2011. *Naetrocymbe saxicola* (A. Massal.) R.C. Harris new for New York State—and other interesting lichen records from the Chaumont Barrens alvar site. *NY Flora Association Newsletter* 22 (1): 1-3.
- LaGreca, S. 2008. [Review of:] Lichen Flora of the Greater Sonoran Desert Region. Volume II and Volume III. *The Bryologist* 111: 519-521.
- LaGreca, S. 2008. [Review of:] J. W. Hinds and P. L. Hinds: *The Macrolichens of New England*. *The Bryologist* 111: 517-518.
- LaGreca, S. 2006. Lichens: from Europe to North America. *The Waterhouse Times* issue 54: 8.
- LaGreca, S. 2006. [Review of:] F. S. Dobson: *Lichens: An Illustrated Guide to the British and Irish Species*. 5th rev. ed. *The Bryologist* 109: 586-587.
- LaGreca, S. 2005. Begging for lichens at the Natural History Museum. *British Lichen Society Bulletin* 97: 43-48.
- LaGreca, S. 2005. [Review of:] L. Zedda. The Epiphytic Lichens on *Quercus* in Sardinia (Italy) and Their Value as Ecological Indicators (Englera vol. 24). *The Bryologist* 108: 341-342.

LaGreca, S. 2003. Relicti Lecti Culbersonii. The Bryologist 106: 497-498.

LaGreca, S. 2003. Some lichens from "The Ledges" in Morrisville (Madison County). New York Flora Association Newsletter 14 (3): 10.

LaGreca, S. 2002. Lichens and bryophytes of the Boston Harbor Islands. Newsletter of the Friends of the Farlow 40: 1-3.

LaGreca, S. 2001. A new lichen for New York State, and a brief history of lichenology in New York. New York Flora Association Newsletter 12 (1): 1-5.

LaGreca, S. 2001. [Review of:] O.W. Purvis. Lichens. Plant Science Bulletin 47: 168-169.

RECENT PRESENTATIONS

LaGreca, S. 50 years of chemosystematics: unravelling the *Ramalina siliquosa* species complex. Duke University, Durham, NC, 2019 [talk].

LaGreca, S. An introduction to lichens: a focus on Bermuda. Bermuda Aquarium, Museum and Zoo, Flatts, Bermuda, 2017 [talk].

LaGreca, S., S. Leavitt & H.T. Lumbsch. Molecular systematics of the lichen genus *Ramalina* with an emphasis on the *Ramalina siliquosa* complex. Eight meeting of the International Association for Lichenology, Helsinki, Finland, 2016 [poster].

LaGreca, S.A. & K.T. Hodge. Digitizing a major fungus herbarium using a diversity of tools. SPNHC Annual Meeting, Cardiff, UK, 2014 [poster].

Hodge, K.H., T.R. Russo & S. LaGreca. Atkinson's fungi: documenting the legacy of Cornell's preeminent mycologist, George F. Atkinson. MSA Annual Meeting, Austin, TX, 2013 [poster].

LaGreca, S. Using lichens as bioindicators of air pollution. Finger Lakes Native Plant Society, Ithaca, NY, 2011 [talk].

LaGreca, S. & S. Williams. The lichens and mosses of Berkshire County. Bascom Lodge, Mount Greylock Reservation, MA, 2010 [talk].

LaGreca, S. Who's your pollinator?: Pollination syndromes. Northern Berkshire Beekeepers Association, North Adams, MA, 2010 [talk].

LaGreca, S. The lichens of Bermuda: historic specimens, species diversity, and levels of endemism. Bermuda Biological Station for Research, Inc., Bermuda, 2006; Department of Botany, The Natural History Museum, London, UK, 2006; Harvard University, 2006 [talks].

LaGreca, S. The history of lichenology in Britain, and the BM collections. Department of Botany, The Natural History Museum, London, UK, 2006 [talk].

RECENT COURSES TAUGHT

LaGreca, S. Crustose Lichen Workshop (a New York Flora Association workshop). Cornell University, Ithaca, NY. October 6-7, 2012.

LaGreca, S. & Lumbsch, H.T. Spot tests and TLC in lichen identification. Humboldt Field Research Station, Steuben, Maine. June 6-12, 2010.

LaGreca, S. An introduction to the lichens of New England. High Pond Farm, Plymouth, NH. September 12-14, 2008.

SOCIETIES

American Bryological & Lichenological Society (role: Editor for the journal *Evansia*)
British Lichen Society
Eastern Lichen Network

Friends of the Farlow
Finger Lakes Native Plant Society
International Association for Lichenology (role: IAL Secretary)
New York Flora Association

AWARDS AND GRANTS

Bermuda Zoological Society, Research Funding for "Molecular phylogenetic evaluation of endemic Bermudian lichen species", December 2019 [\$2,200]

Bermuda Zoological Society, Research Funding for "Revision of the lichen flora of Bermuda: evaluation of endemic Bermudian lichen species", May 2017 [\$1,736]

Field Museum, Visiting Scholarship for "Molecular systematics of the lichen genus *Ramalina* (Ramalinaceae) with an emphasis on the *Ramalina siliquosa* complex", May 2014 [\$1,625]

Bermuda Zoological Society, Research Funding for "Revision of the lichen flora of Bermuda: Walsingham Jungle", November 2007 [\$1,056]

Bermuda Biological Station for Research Inc., Grant-In-Aid for "Lichens as indicators of environmental health in Bermuda", August 2006 [\$1,656]

Harvard University, Friends of the Farlow Fellowship for "The species of *Ramalina* and *Usnea* in the R.H. Howe, Jr. Lichen Herbarium", September 2005 [\$2,405]

National Park Service, Research Contract for "A Bryophyte and Lichen Survey of the Boston Harbor Islands National Park Area", 2001-2002. [\$2,969]

REFERENCES

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The Natural History Museum, Cromwell Road, London SW7 5BD, UK

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208-991-8815