

H. Thorsten Lumbsch

VP, Science & Education
The Field Museum
1400 S. Lake Shore Drive
Chicago, Illinois 60605
USA
Tel: 1-312-665-7881
E-mail: tlumbsch@fieldmuseum.org

Research interests

Evolution and Systematics of Fungi
Biogeography and Diversification Rates of Fungi
Species delimitation
Diversity of lichen-forming fungi

Professional Experience

Since 2017 **Vice President**, Science & Education, The Field Museum, Chicago. USA
2014-2017 **Director**, Integrative Research Center, Science & Education, The Field Museum, Chicago, USA.
Since 2014 **Curator**, Integrative Research Center, Science & Education, The Field Museum, Chicago, USA.
2013-2014 **Associate Director**, Integrative Research Center, Science & Education, The Field Museum, Chicago, USA.
2009-2013 **Chair**, Dept. of Botany, The Field Museum, Chicago, USA.
Since 2011 **MacArthur Associate Curator**, Dept. of Botany, The Field Museum, Chicago, USA.
2006-2014 **Associate Curator**, Dept. of Botany, The Field Museum, Chicago, USA.
2005-2009 **Head of Cryptogams**, Dept. of Botany, The Field Museum, Chicago, USA.
Since 2004 Member, Committee on Evolutionary Biology, University of Chicago. *Courses*: BIOS 430 Evolution (UIC), BIOS 23410 Complex Interactions: Coevolution, Parasites, Mutualists, and Cheaters (U of C) *Reading group*: Phylogenetic methods.
2003-2006 **Assistant Curator**, Dept. of Botany, The Field Museum, Chicago, USA.
1998-2003 **Privatdozent (Assistant Professor)**, Botanical Institute, University – GHS - Essen. *Lectures*: General Botany, Evolution of lower plants, Photosynthesis, *Courses*: Cryptogams, Biology of Lichens, Molecular Systematics, Plant Identification. *Excursions*.
1994-1997 **Post doc**, Botanical Institute, University – GHS - Essen. *Courses*: Cryptogams, Molecular Systematics, Plant Identification, Phytochemistry, Plant Anatomy. *Botanical excursions*.
1990-1993 **Ph D student**, Botanical Institute, University – GHS - Essen. *Courses*: Cryptogams, Plant Identification, Plant Anatomy. *Botanical excursions*.

Education

1997 **Habilitation in Botany, Universität – GHS - Essen**
Thesis: „Systematische Untersuchungen an ausgewählten Vertretern der Ordnungen Lecanorales und Pertusariales (Ascomycotina)“.

-
- 1993 *Exam Lecture:* Flora und Vegetation Australiens.
First lecture: Blütenfarbstoffe in der Pflanzensystematik.
Ph D, Universität – GHS - Essen
Thesis: Die *Lecanora subfusca*-Gruppe in Australasien, graded summa cum laude.
- 1989 **Master, Philipps-Universität Marburg**
Thesis: Ontogenie der Fruchtkörper der Trapeliaceae und verwandter Familien.

Awards

- 2000 **Harvard University (Cambridge, USA)**, Farlow Herbarium: Geneva Sayre Award.
- 1999-2003 **Deutsche Forschungsgemeinschaft**, Gerhard Hess Award; national award for outstanding young scientist (ca. \$700,000).
- 1998-2003 **Deutsche Forschungsgemeinschaft**, Heisenberg grant.
- 1996-1997 **Deutsche Forschungsgemeinschaft**, Habilitations grant.
- 1995 **Sutter AG Essen**, Gottschalk-Diederich-Baedecker-Award for best Ph D thesis in the state of Northrhine-Westphalia (ca. \$10,000).
- 1995 **University – GHS - Essen**, Award for best Ph D thesis at University.

Active Grants

- since 2016 **National Science Foundation**, „ REU site: Evolution of Biodiversity across the Tree of Life“ co-PI with PI Corrie Moreau (Chicago)
- since 2015 **National Science Foundation**, „ Digitization TCN: Collaborative: The Microfungi Collections Consortium: A Networked Approach to Digitizing Small Fungi with Large Impacts on the Function and Health of Ecosystems “co-PI with PI Andrew Miller (Champaign, IL)
- since 2014 **National Science Foundation**, „ Starting from Scratch with *Sticta*: Evolution, Diversification, and Conservation of a Megadiverse Flagship Lichen Genus “ with co-PI Robert Lücking (Chicago)
- since 2014 **CNPq – Conselho Nacional de Desenvolvimento Científico e Tecnológico**, Brazil, “Evolução e Dispersão de Espécies Antárticas Bipolares de Briófitas e Líquens, co-PI with PI Saraiva Câmara
- since 2014 **Ministerio de Ciencia y Innovación**, Spain, continuation of „ Puesta a punto del metodo DNA barcoding para la identificación de especies de líquenes utilizando Parmeliaceas como modelo“ co-PI with PI Ana Crespo (Madrid)

Publications

Peer reviewed original papers

1. Lumbsch, H.T. & A. Titze: Über die Inhaltsstoffe von *Rinodina alba*. *Herzogia* 6: 239-241 (1982).
2. Lumbsch, H.T.: Über das Vorkommen zweier Bartflechten im Taunus. *Hess. Flor. Briefe* 33: 13-14 (1984).
3. Lumbsch, H.T.: The lichen genus *Diploschistes* in the Southern Hemisphere. *DSIRBot. Div. Newsl. Suppl.*2: 9-10 (1985).

4. Lumbsch, H.T.: Bemerkenswerte Flechtenfunde im Taunus. *Hess. Flor. Briefe* 34: 62-63 (1985).
5. Aptroot, A. & H.T. Lumbsch: Ergänzungen zur Verbreitung von *Cladonia fragilissima*. *Herzogia* 7: 243-245 (1985).
6. Lumbsch, H.T. & J.A. Elix: A new species of the lichen genus *Diploschistes* from Australia. *Pl. Syst. Evol.* 150: 275-279 (1985).
7. Henssen, A. & H.T. Lumbsch: A new *Gyalideopsis* species from the Subantarctic. *Int. J. Mycol. Lich.* 2: 1-12 (1985).
8. Lumbsch, H.T.: Eine neue Subspecies in der Flechtengattung *Diploschistes* aus der Südhemisphäre. *Herzogia* 7: 601-608 (1987).
9. Elix, J.A., K. Gaul & H.T. Lumbsch: A novel xanthone from the lichen genus *Diploschistes* s.lat. *Aust. J. Chem.* 40: 1031-1033 (1987).
10. Tehler, A., H.T. Lumbsch & B.W. Hayward: First record of the lichen genus *Roccellina* from New Zealand. *Auckland J. Nat. Hist.*: 7-8 (1987).
11. Lumbsch, H.T. & D.L. Hawksworth: Proposal to conserve *Gyalideopsis* against *Diploschistella*. *Taxon* 36: 764-765 (1987).
12. Lumbsch, H.T.: The identity of *Diploschistes gypsaceus*. *Lichenologist* 20: 19-24 (1988).
13. Lumbsch, H.T. & H.W. Kothe: Anatomical features of *Chondropsis semiviridis* (Nyl.) Nyl. in relation to its vagrant habit. *Lichenologist* 20: 25-29 (1988).
14. Lumbsch, H.T.: Additional lichen records from Australia. 2. *Australas. Lichen. Newsl.* 22: 6-7 (1988).
15. Lumbsch, H.T. & H. Völz: Zur Flechtenflora der Amöneburg. *Hess. Flor. Briefe* 37: 22-24 (1988).
16. Lumbsch, H.T.: Additional lichen records from Australia 3. *Australas. Lichen. Newsl.* 23: 3-4 (1988).
17. Elix, J.A., G.A. Jenkins & H.T. Lumbsch: Chemical variation in the lichen genus *Diploicia* (Ascomycotina). *Mycotaxon* 33: 457-466 (1988).
18. Lumbsch, H.T., H.W. Kothe & J.A. Elix: Resurrection of the lichen genus *Pleurosticta* Petrak (Parmeliaceae: Ascomycotina). *Mycotaxon* 33: 447-457 (1988).
19. Lumbsch, H.T. & E. Mietzsch: Zum Einfluß der Flurbereinigung auf thermophile Flechtengesellschaften an Weinbergsmauern. *Jb. nass. Ver. Naturk.* 110: 1-12 (1988).
20. Lumbsch, H.T. & J.A. Elix: Taxonomy of some *Diploschistes* (lichenized ascomycetes, Thelotremataceae) species containing gyrophoric acid. *Pl. Syst. Evol.* 167: 195-199 (1989).
21. Mattsson, J.E. & H.T. Lumbsch: The use of the species pair concept in lichen taxonomy. *Taxon* 38: 238-241 (1989).
22. Lumbsch, H.T.: Die holarktischen Vertreter der Flechtengattung *Diploschistes* (Thelotremataceae). *Journ. Hattori Bot. Lab.* 66: 133-196 (1989).
23. Elix, J.A., G.A. Jenkins & H.T. Lumbsch: Chemical variation in the lichen *Lecanora epibryon* s. ampl. *Mycotaxon* 35: 169-175 (1989).
24. Burghause, A. & H.T. Lumbsch: Zwei weitere Flechtenarten im Mainzer Sand gefunden. Nachtrag zur "Flechtenflora des Mainzer Sandes". *Mainzer Naturw. Archiv* 27: 151-153 (1989).
25. Lumbsch, H.T.: Über das Vorkommen der Flechte *Dirina stenhammari* (Fr.) Poelt & Follm. im Weserbergland. *Natur und Heimat* 49: 95-96 (1989).
26. Lumbsch, H.T. & A. Vezda: Beiträge zur Kenntnis der foliikolen Flechten australischer Regenwälder I. *Nova Hedwigia* 50: 245-254 (1990).
27. Lumbsch, H.T. & B.W. Hayward: Additional lichen records from New Zealand. 2. *Dimerella zonata* (Müll. Arg.) R. Sant. *Australas. Lichen. Newsl.* 26: 3 (1990).

28. Vezda, A., H.T. Lumbsch & D.O. Övstedal: Zwei neue Arten der Gattung *Gyalidea* aus der Südhemisphäre (Ostropales; Solorinellaceae). *Nova Hedwigia* 50: 523-528 (1990).
29. Lumbsch, H.T. & D.L. Hawksworth: The species of *Lethariicola* Grumm. (Odontotremataceae). *Bibl. Lichenol.* 38: 325-333 (1990).
30. Mies, B. & H.T. Lumbsch: Zur Flechtenflora der Kapverdischen Inseln I. Die Gattung *Diploschistes*. *Nova Hedwigia* 51: 483-488 (1990).
31. Lumbsch, H.T. & H. Mietzsch: Interessante Funde von Flechten und Flechtenparasiten in Hessen. *Jb. Nass. Ver. Naturk.* 112: 67-84 (1990).
32. Lumbsch, H.T. & H. Mayrhofer: A new species of the lichen genus *Diploschistes* from India. *Mycotaxon* 38: 311-313 (1990).
33. Lumbsch, H.T.: Zur Entwicklungsgeschichte von *Micarea peliocarpa* (Anzi) James. *Herzogia* 8: 403-408 (1990).
34. Lumbsch, H.T.: Die Fruchtkörperontogenie bei *Bacidia bagliettoana* (Massal. & de Not.) Jatta mit Bemerkungen zur Gattung *Bacidia* de Not. *Nova Hedwigia* 52: 419-426 (1991).
35. Lumbsch, H.T., J. Hafellner & A. Vezda: Proposal to conserve *Gyalidea* Lettau ex Vezda against *Aglaothecium* Groenh. (Lichen-forming fungi). *Taxon* 40: 331-332 (1991).
36. Lumbsch, H.T.: Das Flechtenherbarium des Landesmuseums Münster. *Natur und Heimat* 51: 87-91 (1991).
37. Lumbsch, H.T.: Bemerkenswerte Flechten im Herbarium des Westfälischen Museums für Naturkunde in Münster. *Natur und Heimat* 51: 92-94 (1991).
38. Büdel, B., J.M. Egea & H.T. Lumbsch: Nomenclatural remarks on the lichens *Heppia solorinoides*, *Peltula obscurans* and *P. placodizans*. *Mycotaxon* 42: 245-248 (1991).
39. Lumbsch, H.T., K. Schmitz & G.B. Feige: "*Lecanora*" *opiniconensis*: a placodioid member of the Parmeliaceae (Lichenized Ascomycotina). *Mycotaxon* 42: 77-87 (1991).
40. Czezug, B., J.A. Elix, H.T. Lumbsch & M.A. Borowitzka: Carotenoids in certain species of lichens from Australia. *Feddes Rep.* 103: 297-302 (1992).
41. Lumbsch, H.T. & A. Vezda: Contributions to the lichen flora of Tenerife. *Lichenologist* 24: 21-26 (1992).
42. Lumbsch, H.T. & H.W. Kothe: Thallus surfaces in Coccocarpiaceae and Pannariaceae (lichenized Ascomycetes) viewed with scanning electron microscopy. *Mycotaxon* 43: 277-282 (1992).
43. Ewers, W.H. & H.T. Lumbsch: Additional lichen records from Australia. 10. *Omphalina umbellifera* (L: Fr.) Quélet. *Australas. Lichen. Newsl.* 10: 5-6 (1992).
44. Elix, J.A., C.E. Crook & H.T. Lumbsch: The chemistry of foliicolous lichens 1. Constituents of *Sporopodium vezdeanum* and *S. xantholeucum*. *Mycotaxon* 44: 409-415 (1992).
45. Lumbsch, H.T. & G.B. Feige: *Lecanoroid Lichens. Fascicle 1 (Nos. 1-20)*. Essen (1992).
46. Mietzsch, E., H.T. Lumbsch & J.A. Elix: *Wintabolites (Mactabolites for Windows) Users Manual*. Essen (1992).
47. Vezda, A., H.T. Lumbsch, W.A. Nelson, B. Polly & C.J. West: Additional lichen records from New Zealand 8. - *Sarrameana septata* Aptroot & Sipman. *Australas. Lichen. Newsl.* 31: 15-16 (1992).
48. Feige, G.B., H.T. Lumbsch & K. Schmitz: Die Ausbildung eines Zentralstranges in der Flechtenfamilie Roccellaceae (Opegraphales; Ascomycotina): Anatomische Untersuchungen an *Simonyella variegata*. *Flora* 187: 159-167 (1992).
49. Lumbsch, H.T. & G.B. Feige: Comments on the exsiccatum "Lecanoroid Lichens" I. *Mycotaxon* 45: 473-488 (1992).
50. Lumbsch, H.T., G. Schuster, J.A. Elix & T.H. Nash III: The epicortical structure of the lichen genus *Psiloparmelia* (Parmeliaceae: Ascomycotina). *Mycotaxon* 45: 489-494 (1992).

51. Lumbsch, H.T.: Morphologische Anpassungen von Flechten semiarider Gebiete. *Int. J. Mycol. Lichenol.* 5: 77-80 (1992).
52. Lumbsch, H.T.: *Lecanora argentea* Oxner & Volkova, the correct name for *L. fuliginosa* Brodo, and comments on related species. *Bryologist* 95: 430-432 (1992).
53. Hayward, B.W. & H.T. Lumbsch: Lichens of South-East Stewart Island, New Zealand. *NZ J. Nat. Hist.* 19: 69-78 (1992).
54. Lumbsch, H.T.: Studien über die Flechtengattung *Diploschistes* I. *Nova Hedwigia* 56: 227-236 (1993).
55. Lumbsch, H.T. & A. Aptroot: Studien über die Flechtengattung *Diploschistes* II. *Nova Hedwigia* 56: 237-239 (1993).
56. Lumbsch, H.T. & H.W. Kothe: Die Entwicklung der Thalli von *Eremastrella crystallifera* und ihre taxonomische Bedeutung (Psoraceae; Ascomycotina). *Nova Hedwigia* 57: 19-32 (1993).
57. Feige, G.B. & H.T. Lumbsch: *Umbilicariaceae exsiccatae, Fasc. 1 (Nos. 1-20)*. Essen (1993).
58. Zeybek, U., V. John & H.T. Lumbsch: Türkiye likenlerinden *Hypogymnia* (Nyl.) Nyl. cinsi üzerinde taksonomik araştırma. *Doga* 17: 109-116 (1993).
59. Feige, G.B., H.T. Lumbsch & B. Mies: Morphological and chemical changes in *Roccella* thalli infected by *Lecanactis grumulosa* (lichenized Ascomycetes, Opegraphales). *Crypt. Bot.* 3: 101-107 (1993).
60. Lumbsch, H.T., G.B. Feige & J.M. Egea: Two lichens new to Europe. *Lichenologist* 25: 303-306 (1993).
61. Lumbsch, H.T., H. Kashiwadani & H. Streimann: A remarkable new species in the genus *Placopsis* from Papua New Guinea (Agyriaceae, lichenized ascomycetes). *Pl. Syst. Evol.* 185: 285-292 (1993).
62. Zeybek, U., H.T. Lumbsch, G.B. Feige, J.A. Elix & V. John: Chemosyndromic variation in *Hypogymnia* species, mainly from Turkey (lichenized Ascomycotina). *Crypt. Bot.* 3: 260-263 (1993).
63. Mietzsch, E., H.T. Lumbsch & J.A. Elix: A new computer program for the identification of lichen substances. *Mycotaxon* 47: 475-479 (1993).
64. Lumbsch, H.T. & G.B. Feige: *Lecanoroid Lichens, Fascicle II (Nos. 21-40)*. Essen (1993).
65. Bremer, G., H.T. Lumbsch & S. Paus: Beiträge zur Flechtenflora Westfalens I. Neue und bemerkenswerte Flechtenfunde. *Herzogia* 9: 573-584 (1993).
66. Lumbsch, H.T., G.B. Feige & K. Schmitz: *Pertusaria huneckiana*, a new Mediterranean lichen, with notes on some saxicolous *Pertusaria* species containing chloroxanthones. *Bibl. Lichenol.* 53: 173-178 (1993).
67. Feige, G.B., H.T. Lumbsch, S. Huneck & J.A. Elix: The identification of lichen products by a standardized high-performance liquid chromatographic method. *J. Chromatogr.* 646: 417-427 (1993).
68. Feige, G.B. & H.T. Lumbsch: A European species of the lichen genus *Ingaderia* and comments on the relation of the genera *Darbshirella* and *Ingaderia*. *Mycotaxon* 48: 381-387 (1993).
69. Elix, J.A. & H.T. Lumbsch: Additional lichen records from Australia 12. *Lecanora cyamidia* STIRTON and *Sagenidium molle* STIRTON. *Australas. Lichen. Newsl.* 32: 9-10 (1993).
70. Paus, S., F.J.A. Daniels & H.T. Lumbsch: Chemical and ecological studies on the *Cladonia subulata* complex. *Bibl. Lichenol.* 53: 191-200 (1993).
71. Lumbsch, H.T. & J.A. Elix: Notes on the circumscription of the lichens *Lecanora leprosa* and *L. sulphurescens*. *Tropical Bryology* 7: 71-75 (1993).
72. Lumbsch, H.T., K. Schmitz & G.B. Feige: Systematic studies in the Pertusariales I. Megasporaceae, a new family. *Journ. Hattori Bot. Lab.* 75: 295-304 (1994).

73. Huneck, S., H.T. Lumbsch & I. Yoshimura: Contribution to the lichen flora of the Diamond Mountains (Korea). *Journ. Hattori Bot. Lab.* 75: 365-369 (1994).
74. Lumbsch, H.T.: Calycin in *Lecanora fulvastra*. *Lichenologist* 26: 94-96 (1994).
75. Feige, G.B. & H.T. Lumbsch: *Umbilicariaceae Exsiccatae. Fascicle 2 (No. 21-40)*. Essen (1994).
76. Himmelreich, U., S. Huneck, G.B. Feige & H.T. Lumbsch: Squamaron, ein Naphthochinon aus der Flechte *Squamarina cartilaginea*, *Z. Naturforsch.* 49B: 1289-1291 (1994).
77. Lumbsch, H.T., G.B. Feige & J.A. Elix: The joint occurrence of chloroxanthenes in southern Hemisphere *Lecanora* species (Ascomycotina; Lecanoraceae). *Bot. Acta* 107: 30-35 (1994).
78. Schmitz, K., H.T. Lumbsch & G.B. Feige: Systematic studies in the Pertusariales II. The generic concept in the Pertusariaceae. *Acta Bot. Fenn.* 150: 153-160 (1994).
79. Huneck, S., G.B. Feige & H.T. Lumbsch: High performance liquid chromatographic analysis of aliphatic lichen acids. *Phytochemical Analysis* 5: 57-60 (1994).
80. Lücking, R., H.T. Lumbsch & J.A. Elix: Chemistry, anatomy and morphology of foliicolous species of the genera *Fellhanera* and *Badimia* (Ascomycetes, Lecanorales). *Bot. Acta* 107: 393-401 (1994).
81. Lumbsch, H.T., G.B. Feige & J.A. Elix: Chemical variation in two species of the *Lecanora subfusca* group (Lecanoraceae, lichenised Ascomycotina). *Pl. Syst. Evol.* 191: 227-236 (1994).
82. Elix, J.A., D.A. Venables, H.T. Lumbsch & L. Brako: Further new metabolites from lichens. *Aust. J. Chem.* 47: 1619-1623 (1994).
83. Elix, J.A., C.E. Barclay & H.T. Lumbsch: New depsides from the lichen *Lecanora planaica*. *Aust. J. Chem.* 47: 1199-1203 (1994).
84. Lumbsch, H.T.: Die *Lecanora subfusca*-Gruppe in Australasien. *Journ. Hattori Bot. Lab.* 77: 1-175 (1994).
85. Brodo, I.M., B. Owe-Larsson & H.T. Lumbsch: The sorediate, saxicolous species of the *Lecanora subfusca* group in Europe. *Nord. J. Bot.* 14: 451-461 (1994).
86. Lumbsch, H.T. & G.B. Feige: Comments on the exsiccatum "Lecanoroid Lichens" II. *Mycotaxon* 52: 429-442 (1994).
87. Lumbsch, H.T. & B.W. Hayward: Additional lichen records from New Zealand. 11 *Lecidea ochroleuca* Pers. *Australas. Lichenol. Newsl.* 35: 19 (1994).
88. Lumbsch, H.T., G. Rambold & J.A. Elix: *Ramalinora* - a new lichen genus from Australia. *Aust. Syst. Bot.* 8: 521-530 (1995).
89. Lumbsch, H.T., A. Dickhäuser & G.B. Feige: Systematic studies in the Pertusariales III. Taxonomic position of *Thamnochrolechia* (Lichenized Ascomycetes). *Bibl. Lichenol.* 57: 355-361 (1995).
90. Lumbsch, H.T.: A new species in the *Lecanora subfusca* group containing usnic acid in addition to atranorin. *Lichenologist* 27: 161-167 (1995).
91. Feige, G.B. & H.T. Lumbsch: Some types of chemical variation in lichens. *Crypt. Bot.* 5: 31-35 (1995).
92. Lumbsch, H.T. & G.B. Feige: *Lecanoroid Lichens. Fascicle 3 (No. 41-60)*. Essen (1995).
93. Elix, J.A., M. Barbero, M. Giralt, H.T. Lumbsch & L.F. McCaffery: 2"-O-Methylgyrophoric acid, a new lichen tridepside. *Aust. J. Chem.* 48: 1761-1765 (1995).
94. Lumbsch, H.T. & T.H. Nash: New species and new records of *Lecanora* s.str. from western North America. *Bryologist* 98: 398-401 (1995).
95. Dickhäuser, A., H.T. Lumbsch & G.B. Feige: A synopsis of the *Lecanora subcarnea* group. *Mycotaxon* 56: 303-323 (1995).
96. Elix, J.A., H.T. Lumbsch & R. Lücking: The chemistry of foliicolous lichens 2. Constituents of some *Byssoloma* and *Sporopodium* species. *Bibl. Lichenol.* 58: 81-96 (1995).

97. Elix, J.A., H.T. Lumbsch & J.H. Wardlaw: Conhydroprotocetraric acid, a new lichen β -orcinol depsidone. *Aust. J. Chem.* 48: 1479-1483 (1995).
98. Lumbsch, H.T., T.Lunke, G.B. Feige & S. Huneck: Anamylopsoraceae - a new family of lichenized ascomycetes with stipitate apothecia (Agyriineae; Lecanorales). *Pl. Syst. Evol.* 198: 275-286 (1995).
99. Mies, B., H.T. Lumbsch & A. Tehler: *Feigeana socotrana*, a new genus and species from Socotra, Yemen (Arthoniales, lichenized Ascomycotina). *Mycotaxon* 54: 155-162 (1995).
100. Tehler, A., G.B. Feige & H.T. Lumbsch: *Dirina mexicana*, a new species to the Sonoran desert in Mexico. *Lichenologist* 27: 255-259 (1995).
101. Lumbsch, H.T., G.B. Feige & J.A. Elix: A revision of the usnic acid containing taxa belonging to *Lecanora* sensu stricto (Lecanorales; lichenized Ascomycotina). *Bryologist* 98: 561-577 (1995).
102. Czezug, B., C. von Arb & H.T. Lumbsch: Carotenoids in lichens from the Swiss Alps. *Feddes Rep.* 106: 173-178 (1995).
103. Elix, J.A., G.B. Feige, H.T. Lumbsch, B. Mies, J.H. Wardlaw & A.C. Willis: The structure determination of simonyellin - a new lichen naphthopyran. *Aust. J. Chem.* 48: 2035-2039 (1995).
104. Lumbsch, H.T. & G.B. Feige: *Lecanoroid Lichens. Fascicle 4 (No. 61-80)*. Essen (1996).
105. Lunke, T., H.T. Lumbsch & G.B. Feige: Anatomical and ontogenetic studies on the Schaereriaceae (Agyriineae, Lecanorales). *Bryologist* 99: 53-63 (1996).
106. Lumbsch, H.T. & G.B. Feige: Comments on the exsiccatum "Lecanoroid Lichens" III. *Mycotaxon* 58: 259-267 (1996).
107. Guderley, R. & H.T. Lumbsch: The lichen genus *Diploschistes* in Southern Africa. *Mycotaxon* 58: 269-292 (1996).
108. Huneck, S., A. Porzel & H.T. Lumbsch: Zur Chemie von *Hypotrachyna rachista* und *Tephromela atra* var. *cypria*. *Herzogia* 12: 39-43 (1996).
109. Elix, J.A. & H.T. Lumbsch: The chemistry of some species of *Lecanora* sensu stricto (Lecanorales, lichenized Ascomycotina). *Mycotaxon* 59: 309-317 (1996).
110. Lumbsch, H.T., R. Guderley & J.A. Elix: A revision of some species in *Lecanora* sensu stricto with a dark hypothecium (Lecanorales, Ascomycotina). *Bryologist* 99: 269-291 (1996).
111. Feige, G.B. & H.T. Lumbsch: *Umbilicariaceae Exsiccatae. Fascicle 3 (No. 41-60)*. Essen (1996).
112. Czezug, B., J. Etayo, M. Giralt, M. Casares, H.T. Lumbsch & R. Salema: Carotenoids in the thalli of lichen species on the Iberian Peninsula. *Feddes Rep.* 107: 89-97 (1996).
113. Lumbsch, H.T. & R. Guderley: *Lecanora vacillans* H. Magn., a remarkable species and its taxonomic significance. *Lichenologist* 29: 29-34 (1997).
114. Guderley, R., H.T. Lumbsch & G.B. Feige: *Ingvariella*, a new genus in the Thelotremataceae. *Nova Hedwigia* 64: 147-154 (1997).
115. Lumbsch, H.T., R. Guderley & G.B. Feige: Ascospore septation in *Diploschistes* and the taxonomic significance of macro- and microcephalic spore types. *Pl. Syst. Evol.* 205: 179-184 (1997).
116. Lumbsch, H.T., M. Plümper, R. Guderley & G.B. Feige: A revision of corticolous *Lecanora* sensu stricto species with pruinose apothecial discs. *Symb. Bot. Upsal.* 32, 1: 131-162 (1997).
117. Lumbsch, H.T.: A comparison of the ascoma ontogeny supports inclusion of the Eigleraceae in the Hymeneliaceae (Lecanorales). *Bryologist* 100: 180-192 (1997).
118. Feige, G.B., G. Röser & H.T. Lumbsch: Chemotaxonomic studies on European *Squamarina* species (Ascomycotina, Lecanorales). *Bibl. Lichenol.* 67: 25-31 (1997).
119. Lumbsch, H.T.: *Bulbothricella amazonensis* is a polysporous member of *Bulbothrix* (Parmeliaceae). *Mycotaxon* 64: 225-228 (1997).

120. Elix, J.A., C.E. Barclay, H.T. Lumbsch & J.H. Wardlaw: New chloro-depsides from the lichen *Lecanora lividocinerea*. *Aust. J. Chem.* 50: 971-975 (1997).
121. Elix, J.A., J.H. Wardlaw, A.W. Archer, H.T. Lumbsch & M. Plümper: Four new depsidones from *Pertusaria* and *Lecanora* lichens. *Aust. Lichenology* 41: 22-27 (1997).
122. Lumbsch, H.T.: Systematic studies in the suborder Agyriineae (Lecanorales). *Journ. Hattori Bot. Lab.* 83: 1-73 (1997).
123. Galloway, D. & H.T. Lumbsch: Additional lichen records from New Zealand 26. *Diploschistes muscorum* (Scop.) R. Sant. ssp. *muscorum*. *Australasian Lichenology* 42: 4-5 (1998).
124. Nash, T.H., B.D. Ryan, W.C. Davis, O. Breuß, J. Hafellner, H.T. Lumbsch, L. Tibell & T. Feuerer: Additions to the lichen flora of Arizona IV. *Bryologist* 101: 93-99 (1998).
125. Guderley, R., H.T. Lumbsch & J.A. Elix: *Lecanora flavopallida*, a species of *Lecanora sensu stricto* with almost biatorine apothecia (Lecanorales). *Bryologist* 101: 103-108 (1998).
126. Lumbsch, H.T. & E. Heibel: *Coppinsia minutissima*, a new genus and species from the British Isles. *Lichenologist* 30: 95-101 (1998).
127. Lumbsch, H.T. & J.A. Elix: Five new species of *Lecanora* from Australia (lichenized Ascomycotina; Lecanoraceae). *Mycotaxon* 67: 391-403 (1998).
128. Lumbsch, H.T. & A. Tehler: A cladistic analysis of the genus *Diploschistes* (lichenized Ascomycotina; Thelotremataceae). *Bryologist* 101: 398-403 (1998).
129. Feige, G.B. & H.T. Lumbsch: *Umbilicariaceae exsiccatae, Fasc. 4 (Nos. 61-80)*. Essen (1998).
130. Feige, G.B. & H.T. Lumbsch: The ascoma development in *Arctopeltis thuleana* and its systematic significance. *Crypt. Bryol. Lichénol.* 19: 95-101 (1998).
131. Lumbsch, H.T.: The use of metabolic data in lichenology at the species and subspecific levels. *Lichenologist* 30: 357-367 (1998).
132. Döring, H. & H.T. Lumbsch: Ascoma ontogeny: is this character set of any use in the systematics of lichenized ascomycetes? *Lichenologist* 30: 489-500 (1998).
133. Lumbsch, H.T., D.L. Hawksworth & B.J. Coppins: (1406) Proposal to add Motyka's four-volume work on Lecanoraceae to the "opera utique oppressa". *Taxon* 48: 183-185 (1999).
134. Heibel, E. & H.T. Lumbsch: *Coppinsia minutissima*, new to Germany. *Lichenologist* 31: 203-204 (1999).
135. Guderley, R. & H.T. Lumbsch: Notes on multisporous species of *Lecanora sensu stricto*. *Lichenologist* 31: 197-203 (1999).
136. Lumbsch, H.T., T.H. Nash & M.I. Messuti: A revision of *Pertusaria* species with hyaline ascospores in southwestern North America (Pertusariales, Ascomycotina). *Bryologist* 102: 215-239 (1999).
137. Messuti, M.I., A. Vezda & H.T. Lumbsch: *Belonia uncinata* new to South America (Gyalectales, Ascomycotina). *Bryologist* 102: 314-316 (1999).
138. Heibel, E., H.T. Lumbsch & I. Schmitt: Genetic variation of *Usnea filipendula* (Parmeliaceae) populations in western Germany investigated by RAPDs suggests reinvasion from various sources. *Am. J. Bot.* 86: 753-757 (1999).
139. Lumbsch, H.T.: The ascoma development in *Mycoporum elabens* (Mycoporaceae, Dothideales sensu lato). *Plant Biol.* 1: 321-326 (1999).
140. Martínez, I., G. Aragón & H.T. Lumbsch: *Lecanora paramerae*, a new lichen from Spain. *Lichenologist* 31: 315-318 (1999).
141. Lumbsch, H.T.: Notes on some genera erroneously recorded for Australia. *Australas. Lichenology* 45: 10-11 (1999).
142. Printzen, C., H.T. Lumbsch, I. Schmitt & G.B. Feige: A study on the genetic variability of *Biatora helvola* Körb. ex Hellb. using RAPD markers. *Lichenologist* 31: 491-499 (1999).

143. Lumbsch, H.T.: Biodiversität tropischer Gruppen der Flechtengattung *Lecanora* (Lecanorales, Ascomycota). *Courier Forschungsinstitut Senckenberg* 215: 143-146 (1999).
144. Lumbsch, H.T. & G.B. Feige: *Lecanoroid Lichens. Fascicle 5 (No.861-100)*. Essen (1999).
145. Guderley, R., H.T. Lumbsch & J.A. Elix: Four new species of *Lecanora* sensu stricto (Lecanorales, Ascomycotina) from tropical South America. *Bryologist* 103: 139-144 (2000).
146. Messuti, M.I. & H.T. Lumbsch: A revision of the genus *Ochrolechia* in southern South America. *Bibl. Lichenol.* 75: 33-46 (2000).
147. Feige, G.B., R. Guderley & H.T. Lumbsch: *Lecanora glaucodea* and *L. subcrenulata*, two neotropical lichens with a remarkable chemistry. *Bibl. Lichenol.* 75: 99-104 (2000).
148. Ryan, B.D., T.H. Nash III, M.D. Herrera Campos, J. Hafellner, H.T. Lumbsch, R. Moberg, L. Tibell, T. Ahti, H.J.M. Sipman, O. Breuss: New records of lichens from Mexico. *Nova Hedwigia* 70: 79-106 (2000).
149. Lumbsch, H.T. & J. A. Elix: *Lecanora pseudodecorata*, a new species from Australia. *Australasian Lichenology* 47: 14-16 (2000).
150. Lumbsch, H.T.: Phylogeny of filamentous ascomycetes. *Naturwissenschaften* 87: 335-342 (2000).
151. Lumbsch, H.T., R. Lindemuth & I. Schmitt: Evolution of filamentous ascomycetes inferred from LSU rDNA sequence data. *Plant Biol.* 2: 525-529 (2000).
152. Martin, M.P., K. Winka, X. Llimona & H.T. Lumbsch: Evaluation of morphological variation in the lichen *Diploschistes ocellatus* (Ascomycota, Ostropales): evidence from nuclear rDNA ITS sequence data. *Plant Biol.* 2: 571-578 (2000).
153. Printzen, C & H. T. Lumbsch: Molecular evidence for the diversification of extant lichens in the Late Cretaceous and Tertiary. *Mol. Phylogen. Evol.* 17: 379-387 (2000).
154. Czezug, B., H. Kiliyas, E. Czezug-Semeniuk, L.E. Muhr, H.T. Lumbsch & G. Hestmark (2000) Carotenoids in the thalli of lichen species from Central Europe. *Journ. Hattori Bot. Lab.* 89: 299-311 (2000).
155. Lumbsch, H.T., I. Schmitt, H. Döring & M. Wedin: Molecular systematics supports the recognition of an additional order of Ascomycota: the Agyriales. *Mycol. Res.* 105: 16-23 (2001).
156. Lumbsch, H.T. & I. Schmitt: Molecular data suggest that the genus *Pertusaria* is not monophyletic. *Lichenologist* 33: 161-170 (2001).
157. La Greca, S. & H.T. Lumbsch: No evidence in rDNA ITS sequence data for a placement of *Ramalinora* in the Ramalinaceae. *Lichenologist* 33: 172-176 (2001).
158. Lumbsch, H.T., I. Schmitt, H. Döring & M. Wedin: ITS sequence data suggest variability of ascus types and support ontogenetic characters as phylogenetic discriminators in the Agyriales (Ascomycota). *Mycol. Res.* 105: 265-274 (2001).
159. Lücking, R. & H.T. Lumbsch: New species or interesting records of foliicolous lichens. VI. *Sporopodium aeruginascens* (Lecanorales: Ectolechiaceae), with notes on the chemistry of *Sporopodium*. *Mycotaxon* 78: 23-28 (2001).
160. Schmitt, I. & H. T. Lumbsch: Identification of the photobionts in *Trapeliopsis* and *Pertusaria* using SSU ribosomal DNA sequences obtained from PCR amplification with a non-green-algal primer. *Mycotaxon* 78: 407-411 (2001).
161. Printzen, C., H.T. Lumbsch & A. Orange: *Biatora britannica* sp. nov. and the occurrence of *Biatora efflorescens* in the British Isles. *Lichenologist* 33: 181-187 (2001).
162. Lumbsch, H.T., I. Schmitt & M.I. Messuti: Utility of nuclear SSU and LSU rDNA data sets to discover the ordinal placement of the Coccotremataceae (Ascomycota). *Org. Divers.Evol.* 1: 99-112 (2001).

163. LaGreca, S. & H.T. Lumbsch: The phylogenetic position of the Candelariaceae (Lecanorales) inferred from anatomical and molecular data. *Bibl. Lichenol.* 78: 211-222 (2001).
164. LaGreca, S. & H.T. Lumbsch: Three species of *Lecanora* new to North America, with notes on other poorly known lecanoroid lichens. *Bryologist* 104: 204-211 (2001).
165. Schmitt, I., M.I. Messuti, G.B. Feige & H.T. Lumbsch: Molecular data suggest rejection of the generic concept in the Coccotremataceae. *Lichenologist* 33: 315-321 (2001).
166. Poulsen, R., I. Schmitt, U. Søchting & H.T. Lumbsch: Molecular and morphological studies on the genus *Orceolina* (Agyriaceae). *Lichenologist* 33: 323-329 (2001).
167. Allen, D., H.T. Lumbsch, S. Madden & H. Sipman: New Australian and Australian state lichen and lichenicolous lichen reports. *Journ. Hattori Bot. Lab.* 90: 269-291 (2001).
168. Bawingan, P. & H.T. Lumbsch: Additional lichen records from the Philippines 1. *Pertusaria remota* A.W. Archer. *Australasian Lichenol* 49: 20 (2001).
169. Galloway, D.J., P.N. Johnson & H.T. Lumbsch: Additional lichen records from New Zealand 35. Seven corticolous species of *Lecanora*, with notes on *L. caesiorubella* Ach. and *L. carpinea* (L.) Vain. *Australasian Lichenol* 49: 28-35 (2001).
170. Lumbsch, H.T. & R. Lindemuth: Major lineages of *Dothideomycetes* (Ascomycota) inferred from SSU and LSU rDNA sequences. *Mycol. Res.* 105: 901-908 (2001).
171. Lindemuth, R., N. Wirtz & H.T. Lumbsch: Phylogenetic analysis of nuclear and mitochondrial sequence data supports that loculoascomycetes (Ascomycota) are not monophyletic. *Mycol. Res.* 105: 1176-1181 (2001).
172. Schmitt, I., A. Mangold & H. T. Lumbsch: Potential use of tRNA fingerprinting in molecular lichen ecology and biogeography. *Nova Hedwigia* 74: 69-74 (2002).
173. Lumbsch, H.T., N. Wirtz, R. Lindemuth & I. Schmitt: Higher level phylogenetic relationships of euascomycetes (Pezizomycotina) inferred from a combined analysis of nuclear and mitochondrial sequence data. *Mycol. Progress* 1: 57-70 (2002).
174. Lumbsch, H.T.: How objective are genera in filamentous ascomycetes? *Persp. Plant Ecol. Evol. Syst.* 5: 91-101 (2002).
175. Lumbsch, H.T. & I. Schmitt: Molecular data shake the Pertusariaceae tree into order. *Lichenology* 1: 37-43 (2002).
176. Scutari, N.C., B.D. Diez & H.T. Lumbsch: New records of soil-associated species from north-eastern Patagonia (Chubut, Argentina). *Mycotaxon* 83: 369-383 (2002).
177. Linke, K., Hemmerich, J. & Lumbsch, H.T.: Identification of *Nostoc* cyanobionts in some *Peltigera* species using a group I intron in the tRNA^{Leu} gene. *Bibl. Lichenol.* 86: 113-118 (2003).
178. Lumbsch, H.T. & Elix, J.A.: The lichen genus *Diploschistes* (Thelotremaaceae) in Australia. *Bibl. Lichenol.* 86: 119-128 (2003).
179. Schmitt, I., M.P. Martin, R. Türk & H.T. Lumbsch: Phylogenetic position of the genera *Melanaria*, *Varicellaria* and *Thamnochrolechia* (Pertusariales). *Bibl. Lichenol.* 86: 147-154 (2003).
180. Zimmermann, D.G., Heibel, E. & Lumbsch, H.T.: Beiträge zur Flechtenflora Westfalens II: Zwei interessante Standorte im Sauerland. *Bibl. Lichenol.* 86: 485-491 (2003).
181. Martín, M.P., S. LaGreca, I. Schmitt & H.T. Lumbsch: Molecular phylogeny of *Diploschistes* inferred from ITS sequence data. *Lichenologist* 35: 27-32 (2003).
182. Feige, G.B. & H.T. Lumbsch: *Umbilicariaceae exsiccatae*, Fasc. 5 (Nos. 81-109). Essen (2003).
183. Pauls, S., H.T. Lumbsch & P. Haase: Genetische Isolation von *Drusus discolor* Rambur 1842 (Trichoptera: Limnephilidae) in montanen Mittelgebirgen Mitteleuropas – erste Ergebnisse. *Dtsch. Ges. Limnologie – Tagungsber.* 2002: 378-380 (2003).

184. Messuti, M.I., H.T. Lumbsch & A. Vezda: A new corticolous species of *Chroodiscus* (Thelotremales) from Argentina. *Lichenologist* 35: 241-244 (2003).
185. Wirtz, N., H.T. Lumbsch, T.G.A. Green, R. Türk, A. Pintado, L. Sancho & B. Schroeter: Lichen fungi have low cyanobiont selectivity in maritime Antarctica. *New Phytologist* 160: 177-183 (2003).
186. Cezanne, R., Eichler, M., Lumbsch, H.T. & Zimmermann, D.G.: *Moelleropsis humida* – eine übersehene Flechte?. *Herzogia* 16:161-166 (2003).
187. Schmitt, I., Söchting, U. & Lumbsch, H.T.: Phylogeny of the lichen genus *Placopsis* and its allies based on Bayesian analyses of nuclear and mitochondrial sequences. *Mycologia* 95: 827-835 (2003).
188. Lumbsch, H.T., Messuti, M.I. & T.H. Nash: New or overlooked species in the *Lecanora subfusca* group from southwestern North America (Lecanorales, Ascomycotina). *Bryologist* 106: 552-559 (2003).
189. Messuti, M.I., G. Vobis & H.T. Lumbsch: Additions to the lichen flora of Tierra del Fuego. *Bryologist* 106: 596-598 (2003).
190. Lumbsch, H.T., M.I. Messuti & T.H. Nash: *Ochrolechia splendens*, a new species from southwestern North America. *Lichenologist* 35: 387-391 (2003).
191. Guderley, E., D.G. Zimmermann, H.T. Lumbsch & I. Schmitt: Die Flechten des Naturschutzgebietes Bommecketals in Plettenberg (Sauerland). *Der Sauerländische Naturbeobachter* 28: 385-397 (2003).
192. Schubert, R., R. Lücking & H.T. Lumbsch: New species of foliicolous lichens from "La Amistad" Biosphere Reserve, Costa Rica. *Willdenowia* 33: 459-465 (2003).
193. Huneck, S., H.T. Lumbsch, A. Porzel & J. Schmidt: Die Verteilung von Flechteninhaltsstoffen in *Lecanora muralis* und *Lecidea inops* und die Abhängigkeit der Usninsäure-Konzentration vom Substrat und von den Jahreszeiten bei *Lecanora muralis*. *Bibl. Lichenol.* 88: 211-222 (2004).
194. Lumbsch, H.T.: Comparison of homoplasy supports that characters have no *a priori* value in phylogenetic analyses of lichenized ascomycetes. *Bibl. Lichenol.* 88: 427-431 (2004).
195. Molina, M.C., A. Crespo, O. Blanco, H.T. Lumbsch & D.L. Hawksworth: Phylogenetic relationships and species concepts in *Parmelia* s.str. (Parmeliaceae) inferred from nuclear ITS rDNA and beta-tubulin sequences. *Lichenologist* 36: 37-54 (2004).
196. Lumbsch, H.T., Schmitt, I., Palice, Z., Wiklund, E., Ekman, S. & Wedin, M.: Supraordinal phylogenetic relationships of lichen-forming discomycetes (Lecanoromycetes) based on a combined Bayesian analysis of nuclear and mitochondrial sequences. *Mol. Phylogenet. Evol.* 31: 822-832 (2004).
197. Lücking, R., B.L. Stuart & H.T. Lumbsch: Phylogenetic relationships of Gomphillaceae (Ascomycota): evidence from a combined Bayesian analysis of nuclear and mitochondrial sequences. *Mycologia* 96: 283-294 (2004).
198. Cubero, O.F., A. Crespo, T.L. Esslinger & H.T. Lumbsch: Molecular phylogeny of the genus *Physconia* (Ascomycota, Lecanorales) inferred from a Bayesian analysis of nuclear ITS rDNA. *Mycol. Research* 108: 498-505 (2004).
199. Ott, S., M. Brinkmann, N. Wirtz & H. T. Lumbsch: Mitochondrial and nuclear ribosomal DNA data do not support the separation of the Antarctic lichens *Umbilicariakappenii* and *Umbilicariaantarctica* as distinct species. *Lichenologist* 36: 227-234 (2004).
200. Crespo, A., E. Barreno, L.G. Sancho, A. Pintado & H.T. Lumbsch: Four lichens new to Spain. *Lazaroa* 24: 3-5 (2004).
201. Blanco, O., A. Crespo, P.K. Divakar, T.L. Esslinger, D.L. Hawksworth & H.T. Lumbsch: *Melanelixia* and *Melanohalea*, two new genera segregated from *Melanelia* (Parmeliaceae) based on molecular and morphological evidence. *Mycol. Res.* 108: 873-884 (2004).

202. Schmitt, I. & H.T. Lumbsch: Molecular phylogeny of the Pertusariaceae supports secondary chemistry as an important systematic character set in lichen-forming ascomycetes. *Mol. Phyl. Evol.* 33:43-55 (2004).
203. Lutzoni, F., F. Kauff, C.J. Cox, D. McLaughlin, G. Celio, B. Dentinger, M. Padamsee, D. Hibbett, T.Y. James, E. Baloch, M. Grube, V. Reeb, V. Hofstetter, C. Schoch, A. E. Arnold, J. Miadlikowska, J. Spatafora, D. Johnson, S. Hambleton, M. Crockett, R. Shoemaker, G-H. Sung, R. Lücking, H.T. Lumbsch, K. O'Donnell, M. Binder, P. Diederich, D. Ertz, C. Gueidan, B. Hall, K. Hansen, R. C. Harris, K. Hosaka, Y-W. Lim, Y. Liu, B. Matheny, H. Nishida, D. Pfister, J. Rogers, A. Rossmann, I. Schmitt, H. Sipman, J. Stone, J. Sugiyama, R. Yahr & R. Vilgalys: Where are we in assembling the fungal tree of life, classifying the fungi, and understanding the evolution of their subcellular traits. *Am. J. Bot.* 91: 1446-1480 (2004).
204. Lumbsch, H.T., A. Mangold, R. Lücking, M.A. Garcia & M.P. Martin: Phylogenetic position of the genera *Nadvornikia* and *Pyrgillus* (Ascomycota) based on molecular data. *Symb. Bot. Upsal.* 34,1: 9-17 (2004).
205. Grube, M., E. Baloch & H.T. Lumbsch: The phylogeny of Porinaceae (Ostropomyetidae) suggests neotenic origin of perithecia in Lecanoromycetes. *Mycological Research* 108: 1111-1118 (2004).
206. Blanco, O., A.M. Crespo, J.A. Elix, D.L. Hawksworth & H.T. Lumbsch: A new classification of parmelioid lichens containing *Xanthoparmelia*-type lichenan (Ascomycota: Lecanorales) based on morphological and molecular evidence. *Taxon* 53: 959-975 (2004).
207. Divakar, P.D., M.C. Molina, H.T. Lumbsch & A. Crespo: *Parmelia barroanae*, a new lichen species related to *Parmelia sulcata* (Parmeliaceae) based on molecular and morphological data. *Lichenologist* 37: 37-46 (2005).
208. Lumbsch, H.T., F. Fernandez, S. Huhndorf, R. Lindemuth, A. Mangold, A. Miller & I. Schmitt: Performance of four ribosomal DNA regions to infer higher-level phylogenetic relationships of inoperculate euascomycetes (Leotiomyceta). *Mol. Phylogen. Evol.* 34: 512-524 (2005).
209. Wedin, M., E. Wiklund, A. Crewe, H. Döring, S. Ekman, A. Nyberg, I. Schmitt & H.T. Lumbsch: Phylogenetic relationships of the Lecanoromycetes (Ascomycota) as revealed by analyses of mtSSU and nLSU rDNA sequence data. *Mycol. Research* 109: 159-172 (2005).
210. Elix, J.A. & H.T. Lumbsch: Additional lichen records from Australia 55. *Diploschistes conceptionis*. *Australasian Lichenology* 56: 8-9 (2005).
211. Palice, Z., I. Schmitt & H.T. Lumbsch: Sequence data support that *Omphalina foliacea* is a lichen-forming basidiomycete. *Mycol. Research* 109: 447-451 (2005).
212. Blanco, O., Crespo, A.M., Divakar, P.K., Elix, J.A. & Lumbsch, H.T.: Molecular phylogeny of parmotreoid lichens (Ascomycotina, Parmeliaceae). *Mycologia* 97: 150-159 (2005).
213. Kantvilas, G., M.I. Messuti & H.T. Lumbsch: Additions to the genus *Mycobilimbia* from the Southern Hemisphere. *Lichenologist* 37: 251-259 (2005).
214. Schmitt, I., M.P. Martín, S. Kautz, H. T. Lumbsch: Diversity of non-reducing polyketide synthase genes in the Pertusariales (lichenized Ascomycota): a phylogenetic perspective. *Phytochemistry* 66: 1241-1253 (2005).
215. Schmitt, I., G. Mueller & H.T. Lumbsch: Ascoma morphology is homoplaseous and phylogenetically misleading in some pyrenocarpous lichens. *Mycologia* 97: 362-374 (2005).
216. Lumbsch, H.T., R. del Prado & G. Kantvilas: *Gregorella*, a new genus in the Arctomiaceae to accommodate *Biatora humida* – molecular and morphological evidence. *Lichenologist* 37: 291-302 (2005).

217. Blanco, O., A. Crespo, R. Ree & H.T. Lumbsch: Major clades of parmelioid lichens (Parmeliaceae, Ascomycota) and the evolution of their morphological and chemical diversity. *Mol. Phylogen. Evol.* 39:52-69 (2006).
218. Jagadeśh Ram, T.A.M., G.P. Sinha, R. Lücking & H.T. Lumbsch: A new species of the genus *Chrysothrix* (Arthoniales: Arthoniaceae) from India. *Lichenologist* 38: 127-129 (2006).
219. Crespo, A., Arguello, A., Lumbsch, H.T., Llimona, X., & Tønsberg, T.: A new species of *Lepraria* (Lecanorales: Stereocaulaceae) from the Canary Islands and the typification of *Lepraria isidiata*. *Lichenologist* 38: 213-221 (2006).
220. del Prado, R., I. Schmitt, S. Kautz, Z. Palice, R. Lücking & H.T. Lumbsch: Molecular data place Trypetheliaceae in Dothideomycetes. *Mycol. Research* 110: 511-520 (2006).
221. Pauls, S., H.T. Lumbsch & P. Haase: Phylogeography of the montane caddisfly *Drusus discolor* (Rambur, 1842) (Trichoptera: Limnephilidae, Drusinae): evidence for multiple refugia and periglacial survival. *Mol. Ecol.* 15: 2153-2169 (2006).
222. Wirtz, N., C. Printzen, L.G. Sancho & H.T. Lumbsch: The phylogeny and classification of *Neuropogon* and *Usnea* (Parmeliaceae, Ascomycota) revisited. *Taxon* 55: 367-376 (2006).
223. Divakar, P.K., A. Crespo, O. Blanco & H.T. Lumbsch: Phylogenetic significance of morphological characters in the tropical *Hypotrachyna* clade of parmelioid lichens (Parmeliaceae, Ascomycota). *Mol. Phylogen. Evol.* 40: 448-458 (2006).
224. Schmitt, I., H.T. Lumbsch & C. Bratt: Two new brown-spored species of *Pertusaria* from southwestern North America. *Lichenologist* 38: 411-416 (2006).
225. Nayaka, S., D.K. Upreti & H.T. Lumbsch: Two new *Lecanora* species from India. *Lichenologist* 38: 421-424 (2006).
226. Zhurbenko, M.P. & H.T. Lumbsch: *Pertusaria christae* is a synonym of *P. saximontana*. *Lichenologist* 38: 487-490 (2006).
227. Schmitt, I., Y. Yamamoto & H.T. Lumbsch: Phylogeny of Pertusariales (Ascomycotina): resurrection of Ochrolechiaceae and new circumscription of Megasporeaceae. *J. Hattori Bot. Lab.* 100:753-764 (2006).
228. James, T.Y., F. Kauff, C. Schoch, P.B. Matheny, V. Hofstetter, C.J. Cox, G. Celio, C. Guiedan, E. Fraker, J. Miadlikowska, H.T. Lumbsch, A. Rauhut, V. Reeb, A.E. Arnold, A. Amtoft, J.E. Stajich, K. Hosaka, G.-H. Sung, D. Johnson, B. O'Rourke, M. Binder, J.M. Curtis, J.C. Slot, Z. Wang, A.W. Wilson, A. Schübler, J.E. Longcore, K. O'Donnell, S. Mozley-Standridge, D. Porter, P.M. Letcher, M.J. Powell, J.W. Taylor, M.M. White, G.W. Griffith, D.R. Davies, J. Sugiyama, A.Y. Rossman, J.D. Rogers, D.H. Pfister, D. Hewitt, K. Hansen, S. Hambleton, R.A. Shoemaker, J. Kohlmeyer, B. Volkmann-Kohlmeyer, R.A. Spotts, M. Serdani, P.W. Crous, K.W. Hughes, K. Matsuura, E. Langer, G. Langer, W.A. Untereiner, R. Lücking, B. Büdel, D.M. Geiser, A. Aptroot, W.R. Buck, M.S. Cole, P. Diederich, C. Printzen, I. Schmitt, M. Schultz, R. Yahr, A. Zavarzin, D.S. Hibbett, F. Lutzoni, D.J. McLaughlin, J.W. Spatafora, R. Vilgalys: Reconstructing the early evolution of the fungi using a six gene phylogeny. *Nature* 443: 818-822 (2006).
229. Mangold, A., J.A. Elix & H.T. Lumbsch: The *Myriotrema wightii* group in Australia. *Nova Hedwigia* 83: 275-292 (2006).
230. Lumbsch, H.T., I. Schmitt, D. Barker & M. Pagel: Evolution of micromorphological and chemical characters in the lichen-forming fungal family Pertusariaceae. *Biol. J. Linn. Soc.* 89: 615-626 (2006).
231. Gutiérrez, G., O. Blanco, P.K. Divakar, H.T. Lumbsch, & A. Crespo: Patterns of group I intron presence in nuclear SSU rDNA of the lichen family Parmeliaceae. *J. Mol. Evol.* 64: 181-195 (2007).

232. Seymour F.A., P.D. Crittenden, N. Wirtz, D.O. Øvstedal, P.S. Dyer & H.T. Lumbsch: Phylogenetic and morphological analysis of Antarctic lichen-forming *Usnea* species in the group *Neuropogon*. *Antarctic Sci.* 19: 71-82 (2007).
233. Lücking, R., H.J.M. Sipman, L. Umana, J.-L. Chaves & H.T. Lumbsch: *Aptrootia* (Dothideomycetes: Trypetheliaceae), a new genus of pyrenocarpous lichens for *Thelenella terricola*. *Lichenologist* 39: 187-193 (2007).
234. Lumbsch, H.T., I. Schmitt, R. Lücking, E. Wiklund & M. Wedin: The phylogenetic placement of Ostropales within Lecanoromycetes (Ascomycota) revisited. *Mycol. Research* 111: 257-267 (2007).
235. Spatafora, J., G.-H. Sung, D. Johnson, B. O'Rourke, M. Serdani, R. Spotts, F. Lutzoni, V. Hofstetter, J. Miadlikowska, V. Reeb, C. Gueidan, E. Fraker, H.T. Lumbsch, R. Lücking, I. Schmitt, K. Hosaka, A. Aptroot, C. Roux, A. Miller, D. Geiser, J. Hafellner, G. Hestmark, A.E. Arnold, B. Budel, A. Rauhut, D. Hewitt, W. Untereiner, M. Cole, C. Scheidegger, M. Schultz, H. Sipman, C. Schoch: A five-gene phylogeny of Pezizomycotina. *Mycologia* 98: 1020-1030 (2007).
236. Mangold, A., J.A. Elix & H.T. Lumbsch: The norstictic acid containing *Thelotrema* species in Australia. *Bibl. Lichenol.* 95: 459-470 (2007).
237. Hibbett, D.S., M. Binder, J.F. Bischoff, M. Blackwell, P.F. Cannon, O. Eriksson, S. Huhndorf, T. James, P.M. Kirk, R. Lücking, H.T. Lumbsch, F. Lutzoni, P.B. Matheny, D.J. McLaughlin, M.J. Powell, S. Redhead, C.L. Schoch, J.W. Spatafora, J.A. Stalpers, R. Vilgalys, M.C. Aime, A. Aptroot, R. Bauer, D. Begerow, G.L. Benny, L.A. Castlebury, P.W. Crous, Y.C. Dai, W. Gams, D.M. Geiser, G.W. Griffith, C. Gueidan, D.L. Hawksworth, G. Hestmark, K. Hosaka, R.A. Humber, K. Hyde, U. Koljalg, C.P. Kurtzman, K.H. Larsson, R. Lichtwardt, J. Longcore, J. Miadlikovska, A. Miller, J.M. Moncalvo, S. Mozley-Standridge, F. Oberwinkler, E. Parmasto, V. Reeb, J.D. Rogers, C. Roux, L. Ryvarden, J.P. Sampaio, A. Schuessler, J. Sugiyama, R.G. Thorn, L. Tibell, W. A. Untereiner, C. Walker, Z. Wang, A. Weir, M. Weiss, M. White, K. Winka, Y.J. Yao, N. Zhang: A higher-level phylogenetic classification of the *Fungi*. *Mycol. Res.* 111: 509-547 (2007).
238. Crespo, A., H.T. Lumbsch, J.E. Mattsson, O. Blanco, P.K. Divakar, K. Articus, E. Wiklund, P.A. Bawingan & M. Wedin: Testing morphology-based hypotheses of phylogenetic relationships in Parmeliaceae (Ascomycota) using three ribosomal markers and the nuclear *RPB-1* gene. *Mol. Phylogen. Evol.* 44: 812-824 (2007).
239. Mangold, A., J.A. Elix & H.T. Lumbsch: *Ocellularia* species with a cone-shaped columella in Australia. *Bibl. Lichenol.* 96: 193-208 (2007).
240. Lumbsch, H.T. & A. Mangold: *Diploschistes elixii* (Ostropales, Thelotremataceae), an overlooked species from Western Australia. *Lichenologist* 39: 459-462 (2007).
241. Lumbsch, H.T. & S. Huhndorf: Whatever happened to the pyrenomycetes and loculoascomycetes? *Mycol. Research* 111: 1064-1074 (2007).
242. Lumbsch, H.T., I. Schmitt, A. Mangold & M. Wedin: Ascus types are phylogenetically misleading in *Trapeliaceae* and *Agryiaceae* (Ostropomycetidae, Ascomycota). *Mycol. Res.* 111:1133-1141 (2007).
243. Elix, J.A., N. Wirtz & H.T. Lumbsch: The chemistry of some *Usnea* species of the *Neuropogon* group (Lecanorales, Ascomycota). *Nova Hedwigia* 95: 491-501 (2007).
244. Lumbsch, H.T., A.W. Archer & J.A. Elix: A new species of *Loxospora* (lichenized Ascomycota: Sarrameanaceae) from Australia. *Lichenologist* 39: 509-517 (2007).
245. Lumbsch, H.T. & S.H. Huhndorf: Outline of Ascomycota – 2007. *Myconet* 13: 1-58 (2007).
246. Lumbsch, H.T. & S.H. Huhndorf: Notes on ascomycete systematics. Nos. 4408 – 4750. *Myconet* 13: 59-95 (2007).

247. Keller, H., J.S. Ely, H.T. Lumbsch & S.B. Selva: Great Smoky Mountains National Park's First Lichen Bio-Quest. *Southeastern Naturalist* 6: 83-88 (2007).
248. Fanning, E., J.S. Ely, H.T. Lumbsch & H. Keller: Vertical distribution of lichen growth forms in canopies of selected tree species in the Great Smoky Mountains National Park Great Smoky Mountains National Park's First Lichen Bio-Quest. *Southeastern Naturalist* 6: 89-98 (2007).
249. Kalb, K., B. Staiger, J.A. Elix, U. Lange & H.T. Lumbsch: A new circumscription of the genus *Ramboldia* (Lecanoraceae, Ascomycota) based on morphological and molecular evidence. *Nova Hedwigia* 86: 23-42 (2008).
250. Lumbsch, H.T., M. Nelson & R. Lücking: The phylogenetic position of Haematommataceae (Lecanorales, Ascomycota). *Nova Hedwigia* 86: 105-114 (2008).
251. Mangold, A., M.P. Martin, R. Lücking & H.T. Lumbsch: Molecular data show that *Topeliopsis* (Thelotremaaceae, Ascomycota) is polyphyletic. *Lichenologist* 40:39-46 (2008).
252. Pauls, S., W. Graf, P. Haase, H.T. Lumbsch & J. Waringer: Grazers, generalists and filtering carnivores – The evolution of feeding ecology in Drusinae (Trichoptera: Limnephilidae): insights from a molecular phylogeny. *Mol. Phylogen. Evol.* 46: 776-791 (2008).
253. Lücking, R., R. del Prado, H.T. Lumbsch, S. Will-Wolf, A. Aptroot, H.J.M. Sipman, L. Umana & J.L. Chaves: Phylogenetic patterns of morphological and chemical characters and reproductive mode in the *Heterodermia obscurata* group in Costa Rica (Ascomycota, Physciaceae). *Systematics and Biodiversity* 6: 31-41 (2008).
254. Schmitt, I. S. Kautz & H.T. Lumbsch: 6-MSAS-like polyketide synthase genes occur in lichenized ascomycetes. *Mycol. Res.* 112: 289-296 (2008).
255. Mangold, A., K. Kalb & H.T. Lumbsch: *Hemithecium rimulosum* comb. nov. (Ostropales, Graphidaceae), a widespread species in eastern Australia. *Australasian Lichenology* 62: 32-34 (2008).
256. Mangold, A., J.A. Elix & H.T. Lumbsch: *Ocellularia wirthii* (Ascomycota, Ostropales), a new species from New South Wales, Australia. *Sauteria* 15: 363-369 (2008).
257. Rivas Plata, E., R. Lücking, H.T. Lumbsch & J.L. Chaves: *Gyrotrema wirthii*, a new species of *Gyrotrema* (Ascomycota: Ostropales: Graphidaceae) from Costa Rica. *Sauteria* 15: 417-420 (2008).
258. Lumbsch, H.T., P.K. Buchanan, T.W. May & G.M. Mueller: Phylogeography and Biogeography of Fungi. *Mycological Res.* 112: 423-424 (2008).
259. Wirtz, N., C. Printzen & H.T. Lumbsch: The delimitation of Antarctic and bipolar species of *Usnea*, *Neuropogon* (Ascomycota, Lecanorales): a cohesion approach of species recognition for the *Usneaperpusilla* complex. *Mycol. Res.* 112: 472-484 (2008).
260. Serusiaux, E., R. Lücking & H.T. Lumbsch: *Sporopodium isidiatum* sp. nov. from Sri Lanka and New Guinea (Ascomycota: Pilocarpaceae), and a world-wide key to the genus. *Mycotaxon* 103: 255-262 (2008).
261. Mangold, A., M.P. Martin, R. Lücking & H.T. Lumbsch: Molecular phylogeny suggests synonymy of Thelotremaaceae within Graphidaceae (Ascomycota: Ostropales). *Taxon* 57:476-486 (2008).
262. Lendemer, J. & H.T. Lumbsch: *Protoparmelia captiata* sp. nov., and *P. isidiata* Diederich, two species of *Protoparmelia* (Lecanorales, Ascomycota) from southeastern North America. *Lichenologist* 40:329-336 (2008).
263. Lücking, R., H.T. Lumbsch, J.F. Di Stefano, D. Lizano, J. Carranza, A. Bernecker, J.L. Chaves & L. Umana: *Eremithallus costaricensis* (Ascomycota: Lichinomycetes: Eremithallales), a new fungal lineage with a novel lichen symbiotic lifestyle discovered in an urban relict forest in Costa Rica. *Symbiosis* 46:161-170 (2008).

264. Rivas Plata, E., R. Lücking, H. Thorsten Lumbsch & H.J.M. Sipman: When family matters: An analysis of Thelotremales (lichenized Ascomycota: Ostropales) as bioindicators of ecological continuity in tropical rainforests. *Biodivers. Conserv.* 17: 1319–1351 (2008).
265. Lumbsch, H.T., A. Mangold, M.P. Martin, J.A. Elix &: Species recognition and phylogeny of *Thelotrema* species in Australia (Ostropales, Ascomycota). *Aust. Syst. Bot.* 21:217-227 (2008).
266. Lumbsch, H.T., A.L. Hipp, P. Divakar, O. Blanco & A. Crespo: Accelerated evolutionary rates in tropical and oceanic parmelioid lichens (Ascomycota). *BMC Evol. Biol.* 8: 257 (2008).
267. Pauls, S. H.T. Lumbsch & P. Haase: Glacial refugia of the montane caddisfly *Drusus discolor* (Rambur, 1842). *Ferrantia* 55: 80-83 (2008).
268. Nelsen, M.P., H.T. Lumbsch, R. Lücking & J.A. Elix: Further evidence for the polyphyly of *Lepraria* (Lecanorales: Stereocaulaceae). *Nova Hedwigia* 87: 361-371 (2008).
269. Bidartondo, M. I., T. D. Bruns, M. Blackwell, I. Edwards, A. F. S. Taylor, T. Horton, N. Zhang, U. Koljalg, G. May, T. W. Kuyper, J. D. Bever, G. Gilbert, J. W. Taylor, T. Z. DeSantis, A. Pringle, J. Borneman, G. Thorn, M. Berbee, G. M. Mueller, G. L. Andersen, E. C. Vellinga, S. Branco, I. Anderson, I. A. Dickie, P. Avis, S. Timonen, R. Kjoller, D. J. Lodge, R. M. Bateman, A. Purvis, P. W. Crous, C. Hawkes, T. Barraclough, A. Burt, R. H. Nilsson, K. H. Larsson, I. Alexander, J. M. Moncalvo, J. Berube, J. Spatafora, H. T. Lumbsch, J. E. Blair, S. O. Suh, D. H. Pfister, M. Binder, E. W. Boehm, L. Kohn, J. L. Mata, P. Dyer, G. H. Sung, B. Dentinger, E. G. Simmons, R. E. Baird, T. J. Volk, B. A. Perry, R. W. Kerrigan, J. Campbell, J. Rajesh, D. R. Reynolds, D. Geiser, R. A. Humber, N. Hausmann, T. Szaro, J. Stajich, A. Gathman, K. G. Peay, T. Henkel, C. H. Robinson, P. J. Pukkila, N. H. Nguyen, C. Villalta, P. Kennedy, S. Bergemann, M. C. Aime, F. Kauff, A. Porras-Alfaro, C. Gueidan, A. Beck, B. Andersen, S. Marek, J. A. Crouch, J. Kerrigan, J. B. Ristaino, K. T. Hodge, G. Kuldau, G. J. Samuels, H. A. Raja, H. Voglmayr, M. Gardes, D. P. Janos, J. D. Rogers, P. Cannon, S. W. Woolfolk, H. C. Kistler, M. A. Castellano, S. L. Maldonado-Ramirez, P. M. Kirk, J. J. Farrar, T. Osmundson, R. S. Currah, V. Vujanovic, W. D. Chen, R. P. Korf, Z. K. Atallah, K. J. Harrison, J. Guarro, S. T. Bates, P. Bonello, P. Bridge, W. Schell, W. Rossi, J. Stenlid, J. C. Frisvad, R. M. Miller, S. E. Baker, H. E. Hallen, J. E. Janso, A. W. Wilson, K. E. Conway, L. Egerton-Warburton, Z. Wang, D. Eastburn, W. W. H. Ho, S. Kroken, M. Stadler, G. Turgeon, R. W. Lichtwardt, E. L. Stewart, M. Wedin, D. W. Li, J. Y. Uchida, A. Jumpponen, R. J. Deckert, H. J. Beker, S. O. Rogers, J. A. P. Xu, P. Johnston, R. A. Shoemaker, M. A. Liu, G. Marques, B. Summerell, S. Sokolski, U. Thrane, P. Widden, J. N. Bruhn, V. Bianchinotti, D. Tuthill, T. J. Baroni, G. Barron, K. Hosaka, K. Jewell, M. Piepenbring, R. Sullivan, G. W. Griffith, S. G. Bradley, T. Aoki, W. T. Yoder, Y. M. Ju, S. M. Berch, M. Trappe, W. J. Duan, G. Bonito, R. A. Taber, G. Coelho, G. Bills, A. Ganley, R. Agerer, L. Nagy, B. A. Roy, T. Laessle, N. Hallenberg, H. V. Tichy, J. Stalpers, E. Langer, M. Scholler, D. Krueger, G. Pacioni, R. Poder, T. Pennanen, M. Capelari, K. Nakasone, J. P. Tewari, A. N. Miller, C. Decock, S. Huhndorf, M. Wach, H. S. Vishniac, D. S. Yohalem, M. E. Smith, A. E. Glenn, M. Spiering, D. L. Lindner, C. Schoch, S. A. Redhead, K. Ivors, S. N. Jeffers, J. Geml, F. Okafor, F. W. Spiegel, D. Dewsbury, J. Carroll, T. M. Porter, C. Pashley, S. E. Carpenter, G. Abad, K. Voigt, B. Arenz, A. S. Methven, S. Schechter, P. Vance, D. Mahoney, S. C. Kang, J. P. Rheeder, J. Mehl, M. Greif, G. N. Ngala, J. Ammirati, M. Kawasaki, Y. A. Gwo-Fang, T. Matsumoto, D. Smith, G. Koenig, D. Luoma, T. May, M. Leonardi, L. Sigler, D. L. Taylor, C. Gibson, T. Sharpton, D. L. Hawksworth, J. C. Dianese, S. A. Trudell, B. Paulus, M. Padamsee, P. Callac, N. Lima, M. White, C. Barreau, M. A. Juncai, B. Buyck, R. K. Rabeler, M. R. Liles, D. Estes, R. Carter, J. M. Herr, G. Chandler, J.

- Kerekes, J. Cruse-Sanders, R. G. Marquez, E. Horak, M. Fitzsimons, H. Doring, S. Yao, N. Hynson, M. Ryberg, A. E. Arnold, and K. Hughes. (2008) Preserving accuracy in GenBank. *Science* 319: 1616-1616.
270. Lumbsch, H.T., R. Lücking & L. Tibell: Molecular data place *Tylophoron* as an additional calicioid genus in Arthoniales (Ascomycota). *Bibl. Lichenol.* 99: 285-296 (2009).
271. Lumbsch, H.T., K. Papong & : A new terricolous species of *Gyalidea* (Gomphillaceae, Ascomycota) from Fiji. *Nova Hedwigia* 88: 111-116 (2009).
272. Kautz, S., H.T. Lumbsch, P.S. Ward & M. Heil: How to prevent cheating: a digestive specialization ties mutualistic plant-ants to their ant-plant partners. *Evolution* 63: 839-853 (2009).
273. Murillo Cruz, C., F.J. Albertazzi, J. Carranza, H.T. Lumbsch & G. Tamayo: Molecular data indicate that *Rhytidhysterion rufulum* (ascomycetes, Patellariales) in Costa Rica consists of four distinct lineages corroborated by morphological and chemical characters. *Mycological Research* 113: 405-416 (2009).
274. Schmitt, I., R. del Prado, M. Grube & H.T. Lumbsch: Repeated evolution of closed fruiting bodies is linked to ascoma development in the largest group of lichenized fungi (Lecanoromycetes, Ascomycota). *Mol. Phylogen. Evol.* 52: 34-44 (2009).
275. Kantvilas, G. & H.T. Lumbsch: *Meridianelia*, a new genus in Elixiaceae (Ascomycota) from Tasmania. *Lichenologist* 41: 261-270 (2009).
276. Schoch, C.L., G.H. Sung, F. López-Giráldez, J.P. Townsend, J. Miadlikowska, V. Hofstetter, B. Robbertse, P.B. Matheny, F. Kauff, Z. Wang, C. Gueidan, R.M. Andrie, K. Trippe, L.M. Ciuffetti, A. Wynns, E. Fraker, B.P. Hodkinson, G. Bonito, R. Yahr, J.Z. Groenewald, M. Arzanlou, G.S. de Hoog, P.W. Crous, D. Hewitt, D.H. Pfister, K. Peterson, M. Gryzenhout, M.J. Wingfield, A. Aptroot, S.O. Suh, M. Blackwell, D.M. Hillis, G.W. Griffith, L.A. Castlebury, A.Y. Rossman, H.T. Lumbsch, R. Lücking, B. Büdel, A. Rauhut, P. Diederich, D. Ertz, D.M. Geiser, K. Hosaka, P. Inderbitzin, J. Kohlmeyer, B. Volkmann-Kohlmeyer, L. Mostert, K. O'Donnell, H. Sipman, J.D. Rogers, R.A. Shoemaker, J. Sugiyama, R.C. Summerbell, W. Untereiner, P. Johnston, S. Stenroos, A. Zuccaro, P. Dyer, P. Crittenden, M.S. Cole, K. Hansen, J.M. Trappe, F. Lutzoni & J.W. Spatafora: The Ascomycota Tree of Life: A Phylum Wide Phylogeny Clarifies the Origin and Evolution of Fundamental Reproductive and Ecological Traits. *Systematic Biology* 58: 224-239 (2009).
277. Schmitt, I., A. Crespo, P.K. Divakar, J. Fankhauser, E. Herman-Sackett, M.P. Nelsen, N.A. Nelson, E. Rivas Plata, A.D. Shimp, T. Widhelm & H.T. Lumbsch: New primers for single-copy protein-coding genes for fungal systematics. *Persoonia – Molecular Phylogeny and Evolution of Fungi* 23: 35-40 (2009).
278. Lumbsch, H.T. & K. Papong: *Ocellularia gyrostomoides* belongs to the genus *Schizoxylon* (Stictidaceae, Ascomycota). *Mycotaxon* 109: 319-322 (2009).
279. Lumbsch, H.T., D.G. Zimmermann & I. Schmitt: Phylogenetic position of ephemeral lichens in Thelocarpaceae and Vezdaeaceae (Ascomycota). *Bibl. Lichenol.* 100:389-398 (2009).
280. Papong, K., K. Boonpragob & H.T. Lumbsch: *Loxospora lecanoriformis* (Sarrameanaceae) new to Thailand. *Australas. Lichenology* 65:50-51 (2009).
281. Papong, K., J. Corush, A. Mangold, R. Lücking & H.T. Lumbsch: The phylogenetic position of *Chroodiscus* (Ascomycota, Ostropales) inferred from nuclear and mitochondrial rDNA sequences. *Fung. Div.* 38: 147-153 (2009).
282. Upreti, D.K., Y. Joshi, P.K. Divakar, H. T. Lumbsch & S. Nayaka: Notes on some interesting lichens from Western Ghats in India. *Phytotaxonomy* 8: 113-116 (2009).
283. Lücking, R., S. Huhndorf, D.H. Pfister, E. Rivas Plata & H.T. Lumbsch: Fungi evolved right on track. *Mycologia* 101:810-822 (2009).

-
284. Elix, J.A., J. Corush & H.T. Lumbsch: Terpenoid chemosyndromes and subtle morphological characters characterize lineages in the *Physcia aipolia* group in Australia (Ascomycota). *Systematics and Biodiversity* 7: 479-487 (2009).
285. Valadbeigi, T., H.T. Lumbsch, H.J.M. Sipman, H. Riahi, A. Asghar Maassoumi: Additions to our knowledge of lichens and lichenicolous fungi in Iran. *Mycotaxon* 110: 455-458 (2009).
286. Kautz, S., S.U. Pauls, D.J. Ballhorn, H.T. Lumbsch & M.Heil: Polygynous supercolonies of the acacia-ant *Pseudomyrmex peperii*, an inferior colony founder. *Mol. Ecol.* 18: 5180-5194 (2009).
287. Schmitt, I. & H.T. Lumbsch: Ancient horizontal gene transfer from bacteria enhances biosynthetic capabilities of fungi *PLoS ONE* 4(2): e4437 (2009).
288. Schoch, C.L., P.W. Crous, J.Z. Groenewald, B. Barrès, E.W.A. Boehm, T.I. Burgess, J. De Gruyter, G.S. de Hoog, L.J. Dixon, M. Grube, C. Gueidan, Y. Harada, S. Hatakeyama, K. Hirayama, T. Hosoya, K.D.Hyde, E.B.G. Jones, J. Kohlmeyer, R. Lücking, H.T. Lumbsch, F. Lutzoni, L. Marvanová, J.S. Mbatchou, A.N. Miller, G.K. Mugambi, L. Muggia, M.P. Nelsen, P. Nelson, C.A. Owensby, A. Phillips, S. Phongpaichit, S.B. Pointing, V. Pujade-Renaud, H.A. Raja, E. Rivas Plata, B. Robbertse, C. Ruibal, J. Sakayaroj, T. Sano, L. Selbmann, C.A. Shearer, T. Shirouzu, B. Slippers, S. Suetrong, K. Tanaka, B. Volkmann-Kohlmeyer, M.J. Wingfield, A.R. Wood, J.H.C. Woudenberg, H. Yonezawa, Y. Zhang & J.W. Spatafora: A class-wide phylogenetic assessment 1 of *Dothideomycetes*. *Stud. Mycol.* 64: 1-15 (2010).
289. Nelsen, M.P., R. Lücking, M. Grube, J.S. Mbatchou, L. Muggia, E. Rivas Plata & H.T. Lumbsch: Unravelling the phylogenetic relationships of lichenized fungi in Dothideomyceta. *Stud. Mycol.* 64: 135-144 (2010).
290. Papong, K., K. Boonpragob, A. Mangold & H.T. Lumbsch: Thelotremataceae species from Thailand by Natsurang Homchantara: a reevaluation. *Lichenologist* 42: 131-137 (2010).
291. Rivas Plata, E., R. Lücking, H.J.M. Sipman, A. Mangold & H.T. Lumbsch: A world-wide key to the thelotremoid *Graphidaceae*, excluding the *Ocellularia-Myriotrema-Stegobolus* clade. *Lichenologist* 42: 139-185 (2010).
292. Messuti, M.I., P.L. Codesal, A. Mangold, R. Lücking & H.T. Lumbsch: New or interesting *Chapsa* species (Ascomycota, Ostropales) from Argentina. *Lichenologist* 42: 191-195 (2010).
293. Lumbsch, H.T., P.K. Divakar, M.I. Messuti, A. Mangold & R. Lücking: A survey of thelotremoid lichens (Ostropales, Ascomycota) in Subantartic regions excluding Tasmania. *Lichenologist* 42:203-224 (2010).
294. Lumbsch, H.T., T. Ahti & S. Parnmen: Proposal 1926: To conserve *Cladia* against *Heterodea* (Ascomycota). *Mycotaxon* 111: 509-511 (2010).
295. Hawksworth, D.L., J.E. Cooper, P.W. Crous, K.D. Hyde, P.M. Kirk, H.T. Lumbsch, L. Norvell, S.A. Redhead, A.Y. Rossman, K.A. Seifert, J.A. Stalpers, J.A. Taylor & M.J. Wingfield: Proposals 117–119: To make the pre-publication deposit of key nomenclatural information in a recognized repository a requirement for valid publication of organisms treated as fungi under the Code. *Mycotaxon* 111: 514-519 (2010).
296. Divakar, P.K., H.T. Lumbsch, Z. Ferencova, R. Del Prado & A. Crespo: *Remototrachyna*, a new tropical lineage in hypotrachynoid lichens (Parmeliaceae, Ascomycota) originated in India. *Am. J. Bot.* 97:579-590 (2010).
297. de la Rosa, N., M.I. Messuti & H.T. Lumbsch: *Lecanora subviridis* (Lecanoraceae, Lecanorales), a new corticolous lichen species from southwestern Argentina. *Lichenologist* 42: 301-306 (2010).

298. Schmitt, I., J.D. Fankhauser, K. Sweeney, T. Spribille, K. Kalb & H.T. Lumbsch: Gyalectoid *Pertusaria* species form a sister-clade to *Coccotrema* (Ostropomycetidae, Ascomycota) and comprise the new lichen genus *Gyalectaria*. *Mycology – an International Journal on Fungal Biology* 1: 75-83 (2010).
299. Lumbsch, H.T., T. Ahti & S. Parnmen: Proposal 1926: To conserve *Cladia* against *Heterodea* (Ascomycota). *Taxon* 59: 643 (2010).
300. Hawksworth, D.L., J.E. Cooper, P.W. Crous, K.D. Hyde, P.M. Kirk, H.T. Lumbsch, L. Norvell, S.A. Redhead, A.Y. Rossman, K.A. Seifert, J.A. Stalpers, J.A. Taylor & M.J. Wingfield: Proposals 117–119: To make the pre-publication deposit of key nomenclatural information in a recognized repository a requirement for valid publication of organisms treated as fungi under the Code. *Taxon* 59: 660-662 (2010).
301. Del Prado, R., Cubas, P., Lumbsch, H.T., Divakar, P.K., Blanco, O., Amo De Paz, G., Molina, M.C. & Crespo, A: Genetic distances within and among species in monophyletic lineages of Parmeliaceae (Ascomycota) as a tool for taxon delimitation. *Molecular Phylogenetics and Evolution* 56: 125-133 (2010).
302. Spribille, T. & H.T. Lumbsch: A new species of *Elixia* (Umbilicariales) from Greece. *Lichenologist* 42:365-371 (2010).
303. Parnmen, S., Rangsiruji, A., Mongulsuk, P., Boonpragob, K., Elix, J.A. & Lumbsch, H.T.: Morphological disparity in Cladoniaceae: the foliose genus *Heterodea* evolved from fruticose *Cladia* species (Lecanorales, Ascomycota). *Taxon* 59: 841-849 (2010).
304. Lücking, R., H.T. Lumbsch, M. von Konrat & A. Naikatini: *Graphis collinsiae* (Ascomycota: Graphidaceae), a new lichen species from the Fiji Islands. *Bryologist* 113: 356-359 (2010).
305. Amo de Paz, G., A. Crespo & H.T. Lumbsch: The morphologically deviating genera *Omphalodiella* and *Placoparmelia* belong to *Xanthoparmelia* (Parmeliaceae). *Bryologist* 113: 376-386 (2010).
306. Amo de Paz, G., H.T. Lumbsch, P. Cubas, J.A. Elix & A. Crespo: The genus *Karoowia* (Parmeliaceae, Ascomycota) includes unrelated clades nested within *Xanthoparmelia*. *Aust. Syst. Bot.* 23: 173-184 (2010).
307. Kantvilas, G., K. Papong & H.T. Lumbsch: Further observations on the genus *Maronina*, with the descriptions of two new taxa from Thailand. *Lichenologist* 42: 557-561 (2010).
308. Lumbsch, H.T., S. Parnmen, A. Rangsiruji & J.A. Elix: Phenotypic disparity and adaptive radiation in the genus *Cladia* (Lecanorales, Ascomycota). *Aust. Syst. Bot.* 23: 239-247 (2010).
309. Baloch, E., R. Lücking, H.T. Lumbsch & M. Wedin: Major clades and phylogenetic relationships between lichenized and non-lichenized lineages in Ostropales (Ascomycota: Lecanoromycetes). *Taxon* 59: 1483-1494 (2010).
310. Wang, H.J., S.Y. Guo, M.R. Huang, H.T. Lumbsch & J.C. Wei: Ascomycetes have faster evolutionary rates and larger species diversity than basidiomycetes. *Science China, Life Sciences* 53: 1163-1169 (2010).
311. Ruprecht, U., H.T. Lumbsch, G. Brunauer, T.G.A. Green & R. Türk: Diversity of *Lecidea* (Lecideaceae, Ascomycota) species revealed by molecular data and morphological characters. *Antarctic Science* 22: 727-741 (2010).
312. Crespo, A. & H.T. Lumbsch: Cryptic species in lichen forming fungi. *IMA Fungus* 1: 167-170 (2010).
313. Lumbsch, H.T. & S.H. Huhndorf: Myconet Volume 14. Part One. Outline of Ascomycota—2009. *Fieldiana, Life and Earth Sciences* 1: 1-42 (2010).
314. Lumbsch, H.T. & S.H. Huhndorf: Myconet Volume 14. Part Two. Notes on Ascomycete Systematics. Nos. 4751–5113. *Fieldiana, Life and Earth Sciences* 1: 42-64 (2010).

315. Crespo, A., F. Kauff, P.K. Divakar, G. Amo de Paz, A. Arguello, O. Blanco, P. Cubas, R. del Prado, J.A. Elix, T.L. Esslinger, Z. Ferencova, D.L. Hawksworth, F. Lutzoni, A. Millanes, M.C. Molina, S. Perez-Ortega, M. Wedin, T. Ahti, F. Bungartz, S. Calvelo, A. Aptroot, E. Barreno, M. Candan, M. Cole, D. Ertz, B. Goffinet, J. Lendemer, L. Lindblom, R. Lücking, J.-E. Mattsson, M.I. Messuti, J. Miadlikowska, S. Pauls, M. Piercey-Normore, V. Rico, H.J.M. Sipman, I. Schmitt, T. Spribille, A. Thell, G. Thor & H.T. Lumbsch: Phylogenetic generic classification of parmelioid lichens (Parmeliaceae, Ascomycota) based on molecular, morphological and chemical evidence. *Taxon* 59: 1735-1753 (2010).
316. Kantvilas, G. & H.T. Lumbsch: A new species and a new record of Australian *Scoliciosporum*. *Australas. Lichenology* 66: 16-23 (2010).
317. Papong, K., K. Boonpragob & H.T. Lumbsch: A new species and new records of *Lecanora* (Lecanoraceae, Ascomycota) from south-east Asia. *Lichenologist* 43: 47-50 (2011).
318. Christenhusz, M.J.M., W. Baker, M.W. Chase, M.F. Fay, S. Lehtonen, B. Van Ee, M. von Konrat, H.T. Lumbsch, K.S. Renzaglia, J. Shaw, D.M. Williams & Z.Q. Zhang: The first anniversary of *Phytotaxa* in the International Year of Biodiversity. *Phytotaxa* 15: 1-8 (2011).
319. Lumbsch, H.T., T. Ahti, S. Altermann, G. Amo de Paz, A. Aptroot, U. Arup, A. Barcnas Peña, P.A. Bawingan, M.N. Benatti, L. Betancourt, C.R. Björk, K. Boonpragob, M. Brand, F. Bungartz, M.E.S. Caceres, M. Candan, J.L. Chaves, P. Clerc, R. Common, B.J. Coppins, A. Crespo M. Dal Forno, P.K. Divakar, M.V. Duya, J.A. Elix, A. Elvebakk, J. Fankhauser, E. Farkas, L.I. Ferraro, E. Fischer, D.J. Galloway, E. Gaya, M. Giralt, T. Goward, M. Grube, J. Hafellner, J.E. Hernández M., M.A. Herrera Campos, K. Kalb, I. Kärnefelt, G. Kantvilas, D. Killmann, P. Kirika, K. Kndudesn, H. Komposch, S. Kondratyuk, J.D. Lawrey, A. Mangold, M.P. Marcelli, B. McCune, A. Michlig, R. Miranda Gonzalez, B. Moncada, A. Naikatini, M.P. Nelsen, D.O. Øvstedal, Z. Palice, K. Papong, S. Parnmen, S. Pérez-Ortega, C. Printzen, V.J. Rico, E. Rivas Plata, J. Robayo, D. Rosabal, U. Ruprecht, N. Salazar Allen, L. Sancho, L. Santos de Jesus, T. Santos Vieira, M. Schultz, M.R.D. Seaward, E. Sérusiaux, I. Schmitt, H.J.M. , M. Sohrabi, U. Søchting, M.Z. Søggaard, L.B. Sparrius, A. Spielmann, T. Spribille, J. Sutjaritturakan, A. Thammathaworn, A. Thell, G. Thor, H. Thüs, E. Timdal, C. Truong, R. Türk, L. Umaña Tenorio, D.K. Upreti, P. van den Boom, M. Vivas Rebueta, M. Wedin, S. Will-Wolf, V. Wirth, N. Wirtz, R. Yahr, K. Yeshitela, F. Ziemmeck, T. Wheeler & R. Lücking: One hundred new species of lichenized fungi: a signature of undiscovered global diversity. *Phytotaxa* 18: 1-127 (2011).
320. Kalb, K., E. Rivas Plata, R. Lücking & H.T. Lumbsch: The phylogenetic position of *Malmidea*, a new genus for the *Lecidea piperis*- and *Lecanora granifera*-groups (Lecanorales, Malmideaceae) inferred from nuclear and mitochondrial ribosomal DNA sequences with special emphasis to Thai species. *Bibl. Lichenol.* 106: 143-168 (2011).
321. Widhelm, T. & H.T. Lumbsch: The phylogenetic placement of Miltideaceae inferred from ribosomal DNA sequence data. *Bibl. Lichenol.* 106: 365-374 (2011).
322. Papong, K. & H.T. Lumbsch: A taxonomic survey of *Lecanora* sensu stricto in Thailand (Lecanoraceae; Ascomycota). *Lichenologist* 43:299-320 (2011).
323. Lü, L., Y. Joshi, J.A. Elix, H.T. Lumbsch, H.Y. Wang, Y.J. Koh & J.S. Hur: New and noteworthy species of the lichen genus *Lecanora* (Ascomycota; Lecanoraceae) from South Korea. *Lichenologist* 43:321-329 (2011).
324. Rivas Plata, E. & H.T. Lumbsch: Parallel evolution and phenotypic disparity in lichenized fungi: a case study in the lichen-forming fungal family Graphidaceae (Ascomycota: Ostropales). *Mol. Phylogen. Evol.* 61: 45-63 (2011).
325. Schmall, M., J. Miadlikowska, M. Pelzer, E. Stocker-Wörgötter, V. Hofstetter, E. Fraker, B. Hodkinson, V. Reeb, M.G. Otalora, M. Kukwa, H.T. Lumbsch, F. Kauff, A. Beck & F.

- Lutzoni: Phylogenetic affiliations of members of the heterogeneous lichen-forming fungi of the genus *Lecidea* sensu Zahlbruckner (Lecanoromycetes, Ascomycota). *Mycologia* 103: 983-1003 (2011).
326. Lumbsch, H.T., A.N. Miller, D. Begerow & L. Penev: MycoKeys, or why do we need a new journal in mycology? *MycoKeys* 1: 1-6 (2011).
327. Lumbsch, H.T. & S. Leavitt: Goodbye morphology? A paradigm shift in the delimitation of species in lichenized fungi. *Fung. Div.* 50: 59-72 (2011).
328. Lumbsch, H.T., A. Crespo & D.L. Hawksworth: Editorial – Thematic issue: Parmeliaceae. *Lichenologist* 43: 501-506 (2011).
329. Lücking, R., K. Schulz, A. Crespo, T.H. Nash III & H.T. Lumbsch: The Encyclopedia of Life (EOL) as a scientific resource and outreach medium, applied to the lichen family Parmeliaceae (Ascomycota: Lecanoromycetes: Lecanorales). *Lichenologist* 43: 503-510 (2011).
330. Nelsen, M.P., N. Chavez, E. Sackett-Herman, A. Thell, T. Randle, P.K. Divakar, V. Rico & H.T. Lumbsch: The cetrarioid core group revisited (*Parmeliaceae*, *Lecanorales*). *Lichenologist* 43: 537-551 (2011).
331. Lumbsch, H.T. & N. Wirtz: Phylogenetic relationships of the neuropogonoid core group in the genus *Usnea* (Ascomycota, Parmeliaceae). *Lichenologist* 43: 553-559 (2011).
332. Papong, K., G. Kantvilas & H.T. Lumbsch: Morphological and molecular evidence places *Maronina* into synonymy with *Protoparmelia* (Ascomycota, Lecanorales). *Lichenologist* 43: 561-567 (2011).
333. Pino-Bodas, R. A.R. Burgaz, M.P. Martin & H.T. Lumbsch: Phenotypical plasticity and homoplasy complicate species delimitation in the *Cladonia gracilis* group (Cladoniaceae, Ascomycota). *Org. Divers. Evol.* 11: 343-355 (2011).
334. Amo de Paz, G., P. Cubas, P.K. Divakar, H.T. Lumbsch & A. Crespo: Origin and diversification of major clades in parmelioid lichens (Parmeliaceae, Ascomycota) during the Paleogene inferred by Bayesian analysis. *PLoS ONE* 6(12): e28161 (2011).
335. von Konrat, M., A. Naikatini, M. Tuiwawa, L. Söderström, A. Fife, T. Pócs, A. Hagborg, M. Renner, P. Brownsey, L. Perrie, H.T. Lumbsch, J. Braggins, A. Séneca & E. Brown: A brief history of the cryptogams of Fiji and prospects for the future. *Telopea* 13: 361-374 (2011).
336. Lumbsch, H.T., R. Lücking, P. Divakar, M. von Konrat & A. Naikatini: New records of lichen-forming fungi from Fiji. *Telopea* 13: 375-404 (2011).
337. Nelsen, M.P., R. Lücking, J.S. Mbatchou, C.J. Andrew, A.A. Spielmann & H.T. Lumbsch: New insights into relationships of lichen-forming Dothideomycetes. *Fung. Div.* 51: 155-162 (2011).
338. Nelsen, M.P., E. Rivas Plata, C.J. Andrew, R. Lücking & H.T. Lumbsch: Phylogenetic diversity of trentepohlialean algae associated with lichen-forming fungi. *J. Phycol.* 47: 282-290 (2011).
339. Lumbsch, H.T. & H. Döring: A tribute to Aino Marjatta Henssen (1925-2011). *Lichenologist* 44: 1-4 (2012).
340. Pino-Bodas, R. A.R. Burgaz, M.P. Martin & H.T. Lumbsch: Species delimitations in the *Cladonia cariosa* group (Cladoniaceae, Ascomycota). *Lichenologist* 44: 121-135 (2012).
341. Lücking, R., C. Niezgoda, S. Huhtinen, J. McCaffrey & H.T. Lumbsch: *Coccocarpia melloniorum* (Ascomycota: Peltigerales), a new lichen species discovered through the Global Plant Initiative project. *Bryologist* 114: 702-707 (2012).
342. Parnmen, S. & H.T. Lumbsch: New combinations in the genus *Cladia*. *Lichenologist* 44: 297-298 (2012).

343. Wirtz, N., C. Printzen & H.T. Lumbsch: Using haplotype networks, estimation of gene flow and phenotypic characters to understand species delimitation in fungi of a predominantly Antarctic *Usnea* group (Ascomycota, Parmeliaceae). *Org. Div. Evol.* 12: 17-37 (2012).
344. Weerakon, G., E. Rivas Plata, H.T. Lumbsch & R. Lücking: Three new species of *Chapsa* (lichenized Ascomycota: Ostropales: Graphidaceae) from tropical Asia. *Lichenologist* 44: 373-379 (2012).
345. Schoch, C.L., K.A.Seifert, S.Huhndorf, V.Robert, J.L.Spouge, C.A.Levesque, W.Chen, E.Bolchacova, K.Voigt, P.W.Crous, A.N.Miller, M.J.Wingfield, M.C.Aime, K.-D.An, F.-Y.Bai, R.W.Barreto, D.Begerow, M.-J.Bergeron, M.Blackwell, T.Boekhout, M.Bogale, N.Boonyuen, A.R.Burgaz, B.Buyck, L.Cai, Q.Cai, G.Cardinali, P.Chaverri, B.J.Coppins, A.Crespo, P.Cubas, C.Cummings, U.Damm, Z.W.de Beer, G.S.de Hoog, R.Del-Prado, B.Dentinger, J.Dieguez-Uribeondo, P.K.Divakar, B.Douglas, M.Duenas, T.A.Duong, U.Eberhardt, J.E.Edwards, M.S.Elshahed, K.Fliegerova, M.Furtado, M.A.Garcia, Z.-W.Ge, G.W.Griffith, K.Griffiths, J.Z.Groenewald, M.Groenewald, M.Grube, M.Gryzenhout, L.-D.Guo, F.Hagen, S.Hambleton, R.C.Hamelin, K.Hansen, P.Harrold, G.Heller, C.Herrera, K.Hirayama, Y.Hirooka, H.-M.Ho, K.Hoffmann, V.Hofstetter, F.Hognabba, P.M.Hollingsworth, S.-B.Hong, K.Hosaka, J.Houbraken, K.Hughes, S.Huhtinen, K.D.Hyde, T.James, E.M.Johnson, J.E.Johnson, P.R.Johnston, E.B.G.Jones, L.J.Kelly, P.M.Kirk, D.G.Knapp, U.Koljalg, G.M.Kovacs, C.P.Kurtzman, S.Landvik, S.D.Leavitt, A.S.Liggenstoffer, K.Liimatainen, L.Lombard, J.J.Luangsa-Ard, H.T.Lumbsch, H.Maganti, S.S.N.Maharachchikumbura, M.P.Martin, T.W.May, A.R.McTaggart, A.S.Methven, W.Meyer, J.-M.Moncalvo, S.Mongkolsamrit, L.G.Nagy, R.H.Nilsson, T.Niskanen, I.Nyilasi, G.Okada, I.Okane, I.Olariaga, J.Otte, T.Papp, D.Park, T.Petkovits, R.Pino-Bodas, W.Quaedvlieg, H.A.Raja, D.Redecker, T.L.Rintoul, C.Ruibal, J.M.Sarmiento-Ramirez, I.Schmitt, A.Schussler, C.Shearer, K.Sotome, F.O.P.Stefani, S.Stenroos, B.Stielow, H.Stockinger, S.Suetrong, S.-O.Suh, G.-H.Sung, M.Suzuki, K.Tanaka, L.Tedersoo, M.T.Telleria, E.Tretter, W.A.Untereiner, H.Urbina, C.Vagvolgyi, A.Vialle, T.D.Vu, G.Walther, Q.-M.Wang, Y.Wang, B.S.Weir, M.Weiss, M.M.White, J.Xu, R.Yahr, Z.L.Yang, A.Yurkov, J.-C.Zamora, N.Z.Zhang, and D.Wen-Ying (2012) Nuclear ribosomal internal transcribed spacer (ITS) region as a universal DNA barcode marker for Fungi. *Proc. Natl Acad. Sci. USA* 109:6241-6246 (2012).
346. Rivas Plata, E., R. Lücking & H.T. Lumbsch: A new classification for the family Graphidaceae (Ascomycota: Lecanoromycetes: Ostropales). *Fung. Div.* 52: 107-121 (2012).
347. Weerakon, G., S.C. Wijeyaratne, P.A. Wolseley, E. Rivas Plata, R. Lücking & H.T. Lumbsch: Six new species of Graphidaceae from Sri Lanka. *Bryologist* 115: 74-83 (2012).
348. Ruprecht, U., H.T. Lumbsch, G. Brunauer, T.G.A. Green & R. Türk: Insights into the diversity of Lecanoraceae (Lecanorales, Ascomycota) in continental Antarctica (Ross Sea region). *Nova Hedwigia* 94: 287-306 (2012).
349. Wijeyaratne, S.C., R. Lücking & H.T. Lumbsch: Three new crustose lichen species from Sri Lanka. *Nova Hedwigia* 94: 367-372 (2012).
350. Kirika, P., S. Parmmen & H.T. Lumbsch: Two new species of *Lecanora* sensu stricto (Lecanoraceae, Ascomycota) from East Africa. *MycKeys* 3: 37-47 (2012).
351. Printzen, C., R. Cezanne, M. Eichler & H.T. Lumbsch: The genera *Aphanopsis* and *Steinia* represent basal lineages within Leotiomycetata. *Bibl. Lich.* 108:175-184 (2012).
352. Kantvilas, G. & H.T. Lumbsch: Reappraisal of the genera of Megalosporaceae. *Aust. Syst. Bot.* 25: 210-216 (2012).

353. Amo, G., A Crespo, P. Cubas, J.A. Elix & H.T. Lumbsch: Transoceanic dispersal and subsequent diversification on separate continents shaped diversity of the *Xanthoparmelia pulla* group (Ascomycota). *PLoS ONE* 7(6): e39683 (2012).
354. Boekhout, T., F. Hagen, B. Theelen, A. Kolecka, K. Khayhan, C. Klaassen, J. Meis, P. Sriburee, H. T. Lumbsch & M. Kostzrewa: Identification of new species in the *Cryptococcus neoformans* - *Cryptococcus gattii* species complex. *Mycoses* 55, Suppl. 4: 48-48 (2012).
355. Schmitt, I., J. Otte, S. Parnmen, R. Lücking & H.T. Lumbsch: A new circumscription of the genus *Varicellaria* (Pertusariales, Lecanoromycetes). *MycoKeys* 4: 23-36 (2012).
356. Weerakoon, G., A. Aptroot, H.T. Lumbsch, P. Wolseley, C. Wijeyaratne & C. Gueidan: New molecular data on Pyrenulaceae from Sri Lanka reveal two well-supported groups within this family. *Lichenologist* 44: 639-647 (2012).
357. Leavitt, S.D., T.L. Esslinger, P.K. Divakar & H.T. Lumbsch: Miocene and Pliocene dominated diversification of the lichen-forming fungal genus *Melanohalea* (Parmeliaceae, Ascomycota) and Pleistocene population expansions. *BMC Evol.Biol.* 12: 176 (2012).
358. Kirika, P., G. Mugambi, R. Lücking & H.T. Lumbsch: New records of lichen-forming fungi from Kenya. *J. East African Nat. Hist.* 101: 73-98 (2012).
359. Orock, E.A., S.D. Leavitt, B. Fonge Ambo, L.L. St. Clair & H.T. Lumbsch: DNA-based identification of lichen-forming fungi: can publicly available sequence databases aid in lichen diversity inventories of Mount Cameroon (West Africa)? *Lichenologist* 44: 833-839 (2012).
360. Papong, K., S. Nayaka & H.T. Lumbsch: Two new species and a new record of *Lecanora sensu stricto* (Lecanoraceae, Ascomycota) from India. *Phytotaxa* 68: 24-28 (2012).
361. Lücking, R., S. Parnmen & H.T. Lumbsch: *Mangoldia*, a new lichen genus in the family Graphidaceae (Ascomycota: Ostropales). *Phytotaxa* 69: 1-5 (2012).
362. Leavitt, S.D., T.L. Esslinger & H.T. Lumbsch: Neogene-dominated diversification in neotropical montane lichens: dating divergence events in the lichen-forming fungal genus *Oropogon* (Parmeliaceae). *Am. J. Bot.* 99: 1764-1777 (2012).
363. Leavitt, S.D., T.L. Esslinger & H.T. Lumbsch: Miocene divergence, cryptic lineages, and contrasting distribution patterns in common lichen fungi (Parmeliaceae). *Biol. J. Linn. Soc.* 107: 920-937 (2012).
364. Lumbsch, H.T., G. Kantvilas & S. Parnmen: Molecular data support placement of *Cameronia* in Ostropomycetidae (Lecanoromycetes, Ascomycota). *MycoKeys* 5: 31-44 (2012).
365. Parnmen, S., R. Lücking & H.T. Lumbsch: Phylogenetic classification at generic level in the absence of distinct phylogenetic patterns of phenotypical variation: a case study in Graphidaceae (Ascomycota). *PLoS ONE* 7(12): e51392 (2012).
366. Rivas Plata, E., R. Lücking & H.T. Lumbsch: Molecular phylogeny and systematics of the *Ocellularia* clade (Ascomycota: Ostropales: Graphidaceae). *Taxon* 61: 1161-1179 (2012).
367. Divakar, P.K., R. Del Prado, H.T. Lumbsch, M. Wedin, T.L. Esslinger, S.D. Leavitt & A. Crespo: Diversification of the newly recognized lichen forming fungal lineage *Montanelia* (Parmeliaceae, Ascomycota) and its relation to key geological and climatic events. *Am. J. Bot.* 99: 2014-2026 (2012).
368. Parnmen, S., A. Rangsiruji, P. Mongkolsuk, K. Boonpragob, A. Nutakki & H.T. Lumbsch: Using phylogenetic and coalescent methods to understand the species diversity in the *Cladia aggregata* complex (Ascomycota, Lecanorales). *PLoS ONE* 7(12): e52245 (2012).
369. Thell, A., A. Crespo, P.K. Divakar, I. Kärnefelt, S.D. Leavitt, H.T. Lumbsch & M.R.D. Seaward: A review of the lichen family Parmeliaceae – history, phylogeny and current taxonomy. *Nord. J. Bot.* 30: 641-664 (2012).

370. Leavitt, S.D., T.L. Esslinger, T. Spribille, P.K. Divakar & H.T. Lumbsch: Multilocus phylogeny of the lichen-forming fungal genus *Melanohalea* (Parmeliaceae, Ascomycota): Insights on diversity, distributions, and a comparison of species tree and concatenated topologies. *Mol. Phyl. Evol.* 66: 138-152 (2013).
371. Papong, K., K. Boonpragob, S. Parnmen & H.T. Lumbsch: Molecular phylogenetic studies on tropical species of *Lecanora* sensu stricto (Lecanoraceae, Ascomycota). *Nova Hedwigia* 96: 1-13 (2013).
372. Boonpragob, K., P.D. Crittenden & H.T. Lumbsch: Lichens: from genome to ecosystems in a changing world. *MycoKeys* 5: 1-2 (2013).
373. Rivas Plata, E., S. Parnmen, B. Staiger, A. Mangold, A. Frisch, G. Weerakoon, J.E. Hernández M., M.E.S. Cáceres, K. Kalb, H.J.M. Sipman, R.S. Common, R. Lücking & H.T. Lumbsch: A molecular phylogeny of Graphidaceae (Ascomycota: Lecanoromycetes: Ostropales) including 437 species. *MycoKeys* 5: 55-94 (2013).
374. Lücking, R., A. Tehler, F. Bungartz & H.T. Lumbsch: Journey from the West: Did tropical Graphidaceae (lichenized Ascomycota: Ostropales) evolve from a saxicolous ancestor along the American Pacific coast? *Am. J. Bot.* 100: 844-856 (2013).
375. Leavitt, S.D., F. Fernández-Mendoza, M. Sohrabi, H.T. Lumbsch & L.L. St. Clair: DNA barcode identification of lichen-forming fungal species in the *Rhizoplaca melanophthalma* species-complex (Lecanorales, Lecanoraceae), including five new species. *MycoKeys* 7: 1-22 (2013).
376. Parnmen, S., R. Lücking, M.E.S. Cáceres & H.T. Lumbsch: *Myriochapsa* and *Nitidochapsa*, two new genera in Graphidaceae (Ascomycota: Ostropales) for chroodiscoid species in the *Ocellularia* clade. *Bryologist* 116: in press (2013).
377. Leavitt, S.D., M.P. Nelsen, H.T. Lumbsch, L.A. Johnson & L.L. St. Clair: Symbiont flexibility in subalpine rock shield lichen communities in the southwestern USA. *Bryologist* 116: 149-161 (2013).
378. Leavitt, S.D., T.L. Esslinger, M.P. Nelsen & H.T. Lumbsch: Further species diversity in Neotropical *Oropogon* (Lecanoromycetes: Parmeliaceae) in Central America. *Lichenologist* 45: 553-564 (2013).
379. Parnmen, S., S.D. Leavitt, A. Rangsiruji & H.T. Lumbsch: Identification of species in the *Cladia aggregata* group using DNA barcoding. *Phytotaxa* 115: 1-14 (2013).
380. Lumbsch, H.T.: *Diploschistes euganeus* erstmals für die Schweiz und *Lecanora pseudistera* neu für das Tessin nachgewiesen. *Herzogia* 26: 197-199 (2013).
381. Leavitt, S.D., F. Fernández-Mendoza, S. Perez-Ortega, M. Sohrabi, P.K. Divakar, J. Vondrak, H.T. Lumbsch & L.L. St. Clair: Local representation of global diversity in a morphologically cryptic lichen-forming fungal species-complex with a cosmopolitan distribution (*Rhizoplaca*, Ascomycota). *J. Biogeogr.* 40: 1792-1806 (2013).
382. Divakar, P.K., A. Crespo, J. Nunez-Zapata, A. Flakus, H.J.M. Sipman, J.A. Elix & H.T. Lumbsch: A molecular perspective on generic concepts in the *Hypotrachyna* clade (Parmeliaceae, Ascomycota). *Phytotaxa* 132: 21-38 (2013).
383. LaGrecia, S. & H.T. Lumbsch: Taxonomic investigations of *Lecanora strobilina* and *L. symmicta* (Lecanoraceae, Lecanorales) in northeastern North America. *Bryologist* 116: 287-295 (2013).
384. Singh, G., P.K. Divakar, F. Dal Grande, J. Otte, S. Parnmen, M. Wedin, A. Crespo, H.T. Lumbsch & I. Schmitt: The sister group relationships of the largest family of lichenized fungi, Parmeliaceae (Lecanorales, Ascomycota). *Fungal Biol.* 117: 715-721 (2013).
385. Pino-Bodas, R., M.P. Martin, A.R. Burgaz & H.T. Lumbsch: Species delimitation in *Cladonia* (Ascomycota): a challenge for the DNA barcoding philosophy. *Mol. Ecol. Res.* 13: 1058-1068 (2013).

-
386. Del Prado, R., O. Blanco, H.T. Lumbsch, P.K. Divakar, J.A. Elix, M.C. Molina & A. Crespo: Molecular phylogeny and historical biogeography of the lichen-forming fungal genus *Flavoparmelia* (Parmeliaceae, Ascomycota). *Taxon* 62: 928-939 (2013).
387. Baloch, E., R. Lücking, H.T. Lumbsch & M. Wedin: New combinations and names in *Gyalecta* for former *Belonia* and *Pachyphiale* (Ascomycota, Ostropales) species. *Lichenologist* 45: 723-727 (2013).
388. Nelsen, M.P., A. Thell, S.D. Leavitt, C.J. Hampton Miller & H.T. Lumbsch: A reappraisal of *Masonhalea* (Parmeliaceae, Lecanorales) based on molecular and morphological data. *Lichenologist* 45: 729-738 (2013).
389. Leavitt, S.D., H.T. Lumbsch & L. St. Clair: Contrasting demographic histories of two species in the lichen-forming fungal genus *Xanthomendoza* (Teloschistaceae, Ascomycota). *Bryologist* 116: 337-349 (2013).
390. Divakar, P.K., F. Kauff, A. Crespo, S.D. Leavitt & H.T. Lumbsch: Understanding Phenotypical Character Evolution in Parmelioid Lichenized Fungi (Parmeliaceae, Ascomycota). *Plos One* 8(11): e83115 (2013).
391. Kirk, P.M., J.A. Stalpers, U. Braun, P.W. Crous, K. Hansen, D.L. Hawksworth, K.D. Hyde, R. Lücking, H.T. Lumbsch, A.Y. Rossman, K.A. Seifert & M. Stadler: A without-prejudice first list of generic names of fungi for protection under the International Code of Nomenclature for algae, fungi, and plants. *IMA Fungus* 4: 381-443 (2013).
392. Leavitt, S.D., H.T. Lumbsch, S. Stenroos & L. St. Clear: Pleistocene speciation in North American lichen fungi and the impact of alternative species circumscriptions and rates of divergence estimates. *Plos One* 8(12): e85240 (2013).
393. Wang, L.S., X.Y. Wang & H.T. Lumbsch: Eight lecanoroid lichen species new to China. *Crypt. Mycol.* 34: 343-348 (2013).
394. Aptroot, A., S. Parnmen, R. Lücking, E. Baloch, P. Jungbluth, M.E.S. Caceres & H.T. Lumbsch: Molecular phylogeny resolves a taxonomic misunderstanding and places *Geisleria* close to *Abconditella* s. str. (Ostropales: Stictidaceae). *Lichenologist* 46: 115-128 (2014).
395. Leavitt, S., P.K. Divakar, A. Crespo, T.L. Esslinger, E.S Hansen & H.T. Lumbsch: DNA barcoding brown *Parmeliae* (Parmeliaceae) species in Greenland: A molecular approach for accurate species identification of Arctic lichens. *Organisms, Diversity and Evolution* 14: 11-20 (2014).
396. Kraichak, E., S. Parnmen, R. Lücking & H.T. Lumbsch: *Gintarasia* and *Xalocoa*, two new genera to accommodate temperate to subtropical species in the predominantly tropical Graphidaceae (Ostropales, Ascomycota). *Aust. Syst. Bot.* 26: 466-474 (2014).
397. Sadowska-Deś, A.D., F. Dal Grande, H.T. Lumbsch, A. Beck, J. Otte, J-S. Hur, J.A. Kim & I. Schmitt: Integrating coalescent and phylogenetic approaches to delimit species in the lichen photobiont *Trebouxia*. *Mol. Phylogenet. Evol.* <http://dx.doi.org/10.1016/j.ympev.2014.03.020> (2014).
398. Altermann, S., S.D. Leavitt, T. Goward, M.P. Nelsen & H.T. Lumbsch: How do you solve a problem like *Letharia*: a new look at cryptic species in lichen-forming fungi using Bayesian clustering and SNPs from multilocus sequence data. *Plos One* 9(5): e97556 (2014).
399. Hagen, F., Khayhan, K., Theelen, B., Kolecka, A., Polacheck, I., Falk, R., Parnmen, S., Lumbsch, H. T. & Boekhout, T.: A new taxonomy for the *Cryptococcus neoformans* and *Cryptococcus gattii* species complex. *Mycoses* 57: 87-88 (2014).
400. Lumbsch, H.T., S. Parnmen, E. Kraichak, K. Papong & R. Lücking: High frequency of character transformations is phylogenetically structured in the lichenized fungal family Graphidaceae (Ascomycota: Ostropales). *Syst. Biodiv.* 12: 271-291 (2014).

401. Nelsen, M. P., R. Lücking, C. J. Andrew, A. Aptroot, M. E. S. Cáceres, J. A. Mercado-Díaz, E. R. Plata & H. T. Lumbsch. Molecular phylogeny reveals the true colours of Myeloconidaceae (Ascomycota: Ostropales). *Aust. Syst. Bot.* 27: 38-47 (2014).
402. Miadlikowska, J., F. Kauff, F. Högnabba, J.C. Oliver, K. Molnár, E. Fraker, E. Gaya, J. Hafellner, V. Hofstetter, C. Gueidan, M. Kukwa, R. Lücking, C. Björk, H.J.M. Sipman, A.R. Burgaz, A. Thell, A. Passo, L. Myllys, T. Goward, S. Fernández-Brime, G. Hestmark, J. Lendemer, H.T. Lumbsch, M. Schmull, C. Schoch, E. Sérusiaux, D. Maddison, A.E. Arnold, F. Lutzoni & S. Stenroos: Multigene phylogenetic synthesis for 1307 fungi representing 1139 infrageneric taxa, 312 genera and 66 families of the class Lecanoromycetes (Ascomycota). *Mol. Phylog. Evol.* <http://dx.doi.org/10.1016/j.ympev.2014.04.003> (2014).
403. Schoch, C. L., B. Robbertse, V. Robert, D. Vu, G. Cardinali, L. Irinyi, W. Meyer, R. H. Nilsson, K. Hughes, A. N. Miller, P. M. Kirk, K. Abarenkov, M. C. Aime, H. A. Ariyawansa, M. Bidartondo, T. Boekhout, B. Buyck, Q. Cai, J. Chen, A. Crespo, P. W. Crous, U. Damm, Z. W. De Beer, B. T. M. Dentinger, P. K. Divakar, M. Dueñas, N. Feu, K. Fliegerova, M. A. García, Z.-W. Ge, G. W. Griffith, J. Z. Groenewald, M. Groenewald, M. Grube, M. Gryzenhout, C. Gueidan, L. Guo, S. Hambleton, R. Hamelin, K. Hansen, V. Hofstetter, S.-B. Hong, J. Houbraken, K. D. Hyde, P. Inderbitzin, P. R. Johnston, S. C. Karunarathna, U. Kõljalg, G. M. Kovács, E. Kraichak, K. Krizsan, C. P. Kurtzman, K.-H. Larsson, S. Leavitt, P. M. Letcher, K. Liimatainen, J.-K. Liu, D. J. Lodge, J. Jennifer Luangsa-Ard, H. T. Lumbsch, S. S. N. Maharachchikumbura, D. Manamgoda, M. P. Martín, A. M. Minnis, J.-M. Moncalvo, G. Mulè, K. K. Nakasone, T. Niskanen, I. Olariaga, T. Papp, T. Petkovits, R. Pino-Bodas, M. J. Powell, H. A. Raja, D. Redecker, J. M. Sarmiento-Ramirez, K. A. Seifert, B. Shrestha, S. Stenroos, B. Stielow, S.-O. Suh, K. Tanaka, L. Tedersoo, M. T. Telleria, D. Udayanga, W. A. Untereiner, J. Diéguez Uribeondo, K. V. Subbarao, C. Vágvolgyi, C. Visagie, K. Voigt, D. M. Walker, B. S. Weir, M. Weiß, N. N. Wijayawardene, M. J. Wingfield, J. P. Xu, Z. L. Yang, N. Zhang, W.-Y. Zhuang & S. Federhen: Finding needles in haystacks: linking scientific names, reference specimens and molecular data for Fungi. *Database*: doi: 10.1093/database/bau061 (2014).
404. Miadlikowska, J., F. Kauff, F. Högnabba, J.C. Oliver, K. Molnár, E. Fraker, E. Gaya, J. Hafellner, V. Hofstetter, C. Gueidan, M. Kukwa, R. Lücking, C. Björk, H.J.M. Sipman, A.R. Burgaz, A. Thell, A. Passo, L. Myllys, T. Goward, S. Fernández-Brime, G. Hestmark, J. Lendemer, H.T. Lumbsch, M. Schmull, C. Schoch, E. Sérusiaux, D. Maddison, A.E. Arnold, F. Lutzoni & S. Stenroos: Multigene phylogenetic synthesis for 1307 fungi representing 1139 infrageneric taxa, 312 genera and 66 families of the class Lecanoromycetes (Ascomycota). *Mol. Phylog. Evol.* 79: 132-168 (2014).
405. Wagner, H.-G. & H.T. Lumbsch: *Coppinsia minutissima* neu für Brandenburg. *Herzogia* 27: 189-191 (2014).
406. Nelsen, M., R. Lücking, A. Aptroot, C.J. Andrew, M. Cáceres, E. Rivas Plata, C. Gueidan, L. da Silva Canêz, A. Knight, L.R. Ludwig, J. Mercado-Díaz, S. Parnmen & H.T. Lumbsch: Elucidating phylogenetic relationships and genus-level classification within the fungal family Trypetheliaceae (Dothideomycetes: Ascomycota). *Taxon* 63: 974-992 (2014).
407. Alors, D., F. DalGrande, I. Schmitt, E. Kraichak, H.T. Lumbsch, A. Crespo & P.K. Divakar: Characterization of Fungus-Specific Microsatellite Markers in the Lichen-forming Fungus *Parmelina carporrhizans* (Parmeliaceae). *Appl. Plant Sci.* 2 (12): 1400081 (2014).
408. Sohrabi, M., R. Lücking & H.T. Lumbsch: Unrecognized species richness in the largest family of crustose lichen-forming fungi, Graphidaceae – a special issue of Phytotaxa. *Phytotaxa* 189: 5-6 (2014).

-
409. Lücking, R., M. Johnston, A. Aptroot, E. Kraichak, J.C. Lendemer, K. Boonpragob, M.E.S. Cáceres, D. Ertz, L.I. Ferraro, Z.-F. Jia, K. Kalb, A. Mangold, L. Manoch, J.A. Mercado-Díaz, B. Moncada, P. Mogkulsuk, K.B. Papong, S. Parnmen, R.N. Peláez, V. Poengsunoen, E. Rivas-Plata, W. Saipunkaew, H.J.M. Sipman, J. Sutjaritturakan, D. van den Broeck, M. von Konrat, G. Weerakoon & H.T. Lumbsch: One hundred and seventy new species of Graphidaceae: closing the gap or a drop in the bucket? *Phytotaxa* 189: 7-38 (2014).
410. Lumbsch, H.T., E. Kraichak, S. Parnmen, E. Rivas Plata, A. Aptroot, M.E.S. Cáceres, D. Ertz, S.C. Feuerstein, J.A. Mercado-Díaz, B. Staiger, D. van den Broeck & R. Lücking: New higher taxa in the lichen family Graphidaceae (lichenized Ascomycota: Ostropales) based on a three-gene skeleton phylogeny. *Phytotaxa* 189: 39-51 (2014).
411. Kraichak, E., S. Parnmen, R. Lücking, E. Rivas Plata, A. Aptroot, M.E.S. Cáceres, D. Ertz, A. Mangold, J.A. Mercado-Díaz, K.B. Papong, D. van den Broeck, G. Weerakoon & H.T. Lumbsch: Revisiting the phylogeny of Ocellularieae, the second largest tribe within Graphidaceae (lichenized Ascomycota: Ostropales). *Phytotaxa* 189: 52-81 (2014).
412. Mangold, A., R. Lücking & H.T. Lumbsch: New species of graphidoid and thelotremoid Graphidaceae from Australia. *Phytotaxa* 189: 180-185 (2014).
413. Papong, K.B., R. Lücking, E. Kraichak, S. Parnmen, M. von Konrat & H.T. Lumbsch: Twenty-three new species in the lichen family Graphidaceae from New Caledonia (Ostropales, Ascomycota). *Phytotaxa* 189: 204-231 (2014).
414. Papong, K.B., A. Mangold, R. Lücking & H.T. Lumbsch: New species and new records of thelotremoid Graphidaceae (Ascomycota: Ostropales) from Thailand. *Phytotaxa* 189: 232-244 (2014).
415. Poengsunoen, V., L. Manoch, P. Mongkolsuk, K. Boonpragob, S. Parnmen, R. Lücking, A. Tehler & H.T. Lumbsch: Phylogenetic analysis reveals two morphologically unique new species in the genera *Astrochapsa* and *Nitidochapsa* (lichenized Ascomycota: Graphidaceae). *Phytotaxa* 189: 268-281 (2014).
416. Weerakoon, G., R. Lücking & H.T. Lumbsch: Thirteen new species of Graphidaceae (lichenized Ascomycota: Ostropales) from Sri Lanka. *Phytotaxa* 189: 331-347 (2014).
417. Zhang, Z.Q., M.J.M. Christenhusz, H.J. Esser, M.W. Chase, M.S. Vorontsova, H. Lindon, A. Monro & H.T. Lumbsch: The making of world's largest journal in systematic botany. *Phytotaxa* 191: 1-9 (2014).
418. Spribille, T., P. Resl, T. Ahti, S. Pérez-Ortega, T. Tønsberg, H. Mayrhofer & H.T. Lumbsch: Molecular systematics of the wood-inhabiting, lichen-forming genus *Xylographa* (Baeomycetales, Ostropomycetidae) with eight new species. *Symb. bot. Upsal.* 37(1): 1-87 (2014).
419. Buarang, K., K. Scharnagl, P.K. Divakar, S.D. Leavitt, A. Crespo, T.H. Nash, L. Manoch, R. Lücking & H.T. Lumbsch: Molecular data support *Pseudoparmelia* as a distinct lineage related to *Relicina* and *Relicinopsis* (Ascomycota, Lecanorales). *Lichenologist* 47: 43-49 (2015).
420. Wei, X.L., K. Chen, H.T. Lumbsch & J.C. Wei: Rhizines occasionally occur in the genus *Hypogymnia* (Parmeliaceae, Ascomycota). *Lichenologist* 47: 69-75 (2015).
421. Singh, G., F. Dal Grande, P.K. Divakar, J. Otte, S.D. Leavitt, K. Szczepanska, A. Crespo, V. Rico, A. Aptroot, M.E. da Silva Cáceres, H.T. Lumbsch & I. Schmitt: Coalescent-based species delimitation approach uncovers high cryptic diversity in the cosmopolitan lichen forming fungal genus *Protoparmelia* (Lecanorales, Ascomycota). *PlosOne* 10(5): e0124625 (2015).
422. Kraichak, E., P.K. Divakar, A. Crespo, S.D. Leavitt, M.P. Nelsen, R. Lücking & H.T. Lumbsch: A tale of two hyper-diversities: diversification dynamics of the two largest families of lichenized fungi. *Sci. Rep.* 5: 10028 (2015).

423. Weerakoon, G., K.M. Ngo, S. Lum, H.T. Lumbsch & R. Lücking: On time or fashionably late for lichen discoveries in Singapore? Seven new species and nineteen new records of Graphidaceae from the Bukit Timah Nature Reserve, a highly urbanized tropical environment in Southeast Asia. *Lichenologist* 47: 157-166 (2015).
424. Leavitt, S.D., P.K. Divakar, Y. Ohmura, L.S. Wang, T.L. Esslinger & H.T. Lumbsch: Who's getting around? Assessing species diversity and phylogeography in the widely distributed lichen-forming fungal genus *Montanelia* (Parmeliaceae, Ascomycota). *Mol. Phylogen. Evol.* 90: 85-96 (2015).
425. Hagen, F., K. Khayhan, B. Theelen, A. Kolecka, I. Polacheck, E. Sionov, R. Falk, S. Parnmen, H.T. Lumbsch & T. Boekhout: Recognition of seven species in the *Cryptococcus gattii*/*Cryptococcus neoformans* species complex. *Fung. Gen. Biol.* 78: 16-48 (2015).
426. Kirika, P., S.D. Leavitt, P.K. Divakar, A. Crespo, G.W. Gatheri, G. Mugambi & H.T. Lumbsch: The monotypic genus *Bulborrhizina* belongs to *Bulbothrix* sensu lato (Parmeliaceae, Ascomycota). *Bryologist* 118: 164-169 (2015).
427. Kantvilas, G., S.D. Leavitt, J.A. Elix & H.T. Lumbsch: Additions to the genus *Trapelia* (Trapeliaceae: lichenised Ascomycetes). *Aust. Syst. Bot.* 27: 395-402 (2015).
428. Leavitt, S.D., E. Kraichak, M.P. Nelsen, S. Altermann, P.K. Divakar, D. Alors, T.L. Esslinger, A. Crespo & H.T. Lumbsch: Fungal specificity and selectivity for algae play a major role in determining lichen partnerships across diverse ecogeographic regions in the lichen-forming family Parmeliaceae (Ascomycota). *Mol. Ecol.* 24: 3779-3797 (2015).
429. Kraichak, E., R. Lücking & H.T. Lumbsch: A Unique Trait Associated with Increased Diversification in a Hyperdiverse Family of Tropical Lichen-Forming Fungi. *Int. J. Plant Sci.* 176: 597-606 (2015).
430. Divakar, P.K., A. Crespo, M. Wedin, S.D. Leavitt, L. Myllys, B. McCune, T. Randle, J.W. Bjerke, Y. Ohmura, I. Schmitt, C.G. Boluda, D. Alors, B. Roca-Valiente, R. Del-Prado, C. Ruibal, K. Buaruang, J. Núñez-Zapata, G. Amo de Paz, V.J. Rico, M.C. Molina, J.A. Elix, T.L. Esslinger, I.K. Tronstad, H. Lindgren, D. Ertz, C. Gueidan, L. Saag, T. Tõrra, G. Singh, F. Dal Grande, S. Parnmen, A. Beck, M.N. Benatti, D. Blanchon, M. Candan, P. Clerc, T. Goward, M. Grube, B.P. Hodkinson, J.-S. Hur, G. Kantvilas, P.M. Kirika, J. Lendemer, J.-E. Mattsson, M.I. Messuti, J. Miadlikowska, M. Nelsen, J.I. Ohlson, S. Pérez-Ortega, A. Saag, H.J.M. Sipman, M. Sohrabi, T. Spribille, A. Thell, G. Thor, C. Truong, R. Yahr, D.K. Upreti, D.L. Hawksworth, P. Cubas & H.T. Lumbsch: Evolution of complex symbiotic relationships in a morphologically derived family of lichen-forming fungi. *New Phytologist* doi: 10.1111/nph.13553 (2015).
431. Kraichak, E., R. Lücking, A. Aptroot, A. Beck, P. Dornes, V. John, J.C. Lendemer, M.P. Nelsen, G. Neuwirth, A. Nutakki, S. Parnmen, M. Sohrabi, T. Tønsberg & H.T. Lumbsch: Hidden Diversity in the Morphologically Variable Script Lichen (*Graphis scripta*) Complex (Ascomycota). *Organisms, Diversity, and Evolution* 15: 447-458 (2015).
432. Pino-Bodas, R. A.R. Burgaz, M.P. Martin, T. Ahti, S. Stenroos, M. Wedin & H.T. Lumbsch: The phenotypical features used for distinguishing species within the *Cladonia furcata* complex are highly homoplasious. *Lichenologist* 47: 287- 303 (2015).
433. Pitakpong, A., E. Kraichak, K.B. Papong, N. Muangsan, P. Suwanwaree, H.T. Lumbsch & R. Lücking: New species and records of the lichens genus *Graphis* (Graphidaceae, Ascomycota) from Thailand. *Lichenologist* 47: 335-342 (2015).
434. Zhao, X., L.L. Zhang, Z.T. Zhao, W.C. Wang, S.D. Leavitt & H.T. Lumbsch: A molecular phylogeny of the lichen genus *Lecidella* focusing on species from mainland China. *PlosOne* 10(9): e0139405 (2015).
435. Lücking, R., A. Mangold, E. Rivas Plata, S. Parnmen, E. Kraichak & H.T. Lumbsch: Phylogenetic binning to assess a taxonomic challenge: a case study in Graphidaceae

- (Ascomycota) requires a new generic name for the widespread *Leptotrema wightii*. *Bot. J. Linn. Soc.* 436: 436-443 (2015).
436. Ariyawansa, H., K. Hyde, S. Jayasiri, B. Buyck, K. W. T. Chethana, D. Dai, Y. Dai, D. Daranagama, R. Jayawardena, R. Lücking, M. Ghobad-Nejhad, T. Niskanen, K. Thambugala, K. Voigt, R. Zhao, G.-J. Li, M. Doilom, S. Boonmee, Z. Yang, Q. Cai, Y.-Y. Cui, A. Bahkali, J. Chen, B. Cui, J. Chen, M. Dayarathne, A. Dissanayake, A. Ekanayaka, A. Hashimoto, S. Hongsanan, E. B. G. Jones, E. Larsson, W. Li, Q.-R. Li, J. Liu, Z. Luo, S. N. Maharachchikumbura, A. Mapook, E. C. McKenzie, C. Norphanphoun, S. Konta, K. Pang, R. Perera, R. Phookamsak, C. Phukhamsakda, U. Pinruan, E. Randrianjohany, C. Singtripop, K. Tanaka, C. Tian, S. Tibpromma, M. Abdel-Wahab, D. Wanasinghe, N. Wijayawardene, J.-F. Zhang, H. Zhang, F. Abdel-Aziz, M. Wedin, M. Westberg, J. Ammirati, T. Bulgakov, D. Lima, T. Callaghan, P. Callac, C.-H. Chang, L. Coca, M. Dal-Forno, V. Dollhofer, K. Fliegerová, K. Greiner, G. Griffith, H.-M. Ho, V. Hofstetter, R. Jeewon, J. Kang, T.-C. Wen, P. Kirk, I. Kytövuori, J. Lawrey, J. Xing, H. Li, Z. Liu, X. Liu, K. Liimatainen, H. T. Lumbsch, M. Matsumura, B. Moncada, S. Nuankaew, S. Parmen, A. L. C. M. de Azevedo Santiago, S. Sommai, Y. Song, C. F. de Souza, C. de Souza-Motta, H. Su, S. Suetrong, Y. Wang, S.-F. Wei, T. Wen, H. Yuan, L. Zhou, M. Réblová, J. Fournier, E. Camporesi, J. J. Luangsa-ard, K. Tasanathai, A. Khonsanit, D. Thanakitpipattana, S. Somrithipol, P. Diederich, A. Millanes, R. Common, M. Stadler, J. Yan, X. Li, H. Lee, T. T. Nguyen, H. Lee, E. Battistin, O. Marsico, A. Vizzini, J. Vila, E. Ercole, U. Eberhardt, G. Simonini, H.-A. Wen & X.-H. Chen. 2015. Fungal diversity notes 111–252—taxonomic and phylogenetic contributions to fungal taxa. *Fung. Div.* 75: 27-274 (2015).
437. Jayasiri, S.C., K.D. Hyde, H.A. Ariyawansa, J. Bhat, B. Buyck, L. Cai, Y.-C. Dai, K.A. Abd-Elsalam, D. Ertz, I. Hidayat, R. Jeewon, E. B. Gareth Jones, A.H. Bahkali, S.C. Karunarathna, J.-K. Liu, J.J. Luangsa-ard, H.T. Lumbsch, S.S.N. Maharachchikumbura, E.H.C. McKenzie, J.-M. Moncalvo, M. Ghobad-Nejhad, H. Nilsson, K.-L. Pang, O.L. Pereira, A.J.L. Phillips, O. Raspe, A.W. Rollins, A.I. Romero, J. Etayo, F. Selsuk, S.L. Stephenson, S. Suetrong, J.E. Taylor, C.K.M. Tsui, A. Vizzini, M.A. Abdel-Wahab, T.-C. Wen, S. Boonmee, D.Q. Dai, D.A. Daranagama, A.J. Dissanayake, A.H. Ekanayaka, S. Hongsanan, R.S. Jayawardena, W.-J. Li, R.H. Perera, R. Phookamsak, N.I. De Silva, K.M. Thambugala, Q. Tian, N.N. Wijayawardene, R.-L. Zhao, Q. Zhao, J.-C. Kang, I. Promputtha: The faces of fungi database: fungal names linked with morphology, phylogeny and human impacts. *Fung. Div.* 74: 3-18 (2015).
438. Gasparyan, A., A. Aptroot, A. R. Burgaz, V. Otte, Z. Zakeri, V. J. Rico, E. Araujo, A. Crespo, P. K. Divakar & H. T. Lumbsch: First inventory of lichens and lichenicolous fungi in the Khosrov Forest State Reserve, Armenia. *Flora Medit.* 25: 105-114 (2015).
439. Hawksworth, D.L., H.T. Lumbsch, P. Scholz, S.D. Leavitt & M.R.D. Seaward: (2396) Proposal to conserve the name *Lichen muralis* (*Lecanora muralis*, *Protoparmeliopsis muralis*) with a conserved type (*Ascomycota: Lecanorales: Lecanoraceae*). *Taxon* 64: 1316-1317 (2015).
440. Zhao, X., S.D. Leavitt, Z.T. Zhao, L.L. Zhang, U. Arup, M. Grube, S. Perez-Ortega, C. Printzen, L. Sliwa, P.K. Divakar, A. Crespo & H.T. Lumbsch: Towards a revised generic classification of lecanoroid lichens (Lecanoraceae, Ascomycota) based on molecular, morphological and chemical evidence. *Fung. Div.* Online (2015).
441. Divakar, P.K., S.D. Leavitt, M.C. Molina, R. del Prado, H.T. Lumbsch & A. Crespo: A DNA barcoding approach for improving sample identification of hidden diversity in the lichen-forming fungal family Parmeliaceae (Ascomycota): *Parmelia* s. str. - a case study. *Bot. J. Linn. Soc.* 180: 21-29 (2016).

442. Liu, X.Z., Q.M. Wang, M. Göker, M. Groenewald, A.V. Kachalkin, H.T. Lumbsch, A.M. Millanes, M. Wedin, A.M. Yurkov, T. Boekhout & F.Y. Bai: Towards an integrated phylogenetic classification of the Tremellomycetes. *Stud. Mycol.* 81: 85-147 (2016).
443. Wang, Q.M., A.M. Yurkov, M. Groenewald, M. Göker, H.T. Lumbsch, S.D. Leavitt, M. Groenewald, B. Theelen, X.Z. Liu, T. Boekhout & F.Y. Bai: Phylogenetic classification of yeasts and related taxa within Pucciniomycotina. *Stud. Mycol.* 81: 149-189 (2016).
444. Luangsaphabool, T., J. Piapukiew, S. Parnmen, M.P. Nelsen, H.T. Lumbsch & E. Sangvichien: Diversity of the *Trypethelium eluteriae* group in Thailand (Ascomycota, Trypetheliales). *Lichenologist* 48: 53-60 (2016).
445. Mark, K., L. Saag, S.D. Leavitt, S. Will-Wolf, M.P. Nelsen, T. Torra, A. Saag, T. Randlane & H.T. Lumbsch: Evaluation of traditionally circumscribed species in the lichen-forming genus *Usnea*, section *Usnea* (Parmeliaceae, Ascomycota) using a six-locus dataset. *Organisms, Diversity and Evolution* online (2016).
446. Alors, D. H.T. Lumbsch, P.K. Divakar, S.D. Leavitt & A. Crespo: An integrative approach for understanding species diversity in the *Punctelia rudecta* complex (Parmeliaceae, Ascomycota). *PlosOne* 11(2): e0146537 (2016).
447. Leavitt, S.D., F. Grewe, T. Widhelm, L. Muggia, B. Wray & H.T. Lumbsch: Resolving evolutionary relationships in lichen-forming fungi using diverse phylogenomic datasets and analytical approaches. *Sci. Rep.* 6: 22262 (2016).
448. Leavitt, S.D., E. Kraichak, J. Vondrak, M.P. Nelsen, M. Sohrabi, S. Perez-Ortega, F. Fernandez-Mendoza, L. St. Clair & H.T. Lumbsch: Cryptic diversity and symbiont interactions in rock-posy lichens. *Mol. Phylog. Evol.* 99: 261-274 (2016).
449. Rangsiruji, A., K. Boonpragob, P. Mongkolsuk, M. Sodamuk, K. Buaruang, S. Binchai, H.T. Lumbsch & S. Parnmen: Diversity and phylogenetic survey of cyanobacterial lichens (Collematineae, Ascomycota) in mangrove forests of eastern Thailand. *Bryologist* 119: 123-130 (2016).
450. Kirika, P., P.K. Divakar, A. Crespo, G. Mugambi, E.A. Orock, S.D. Leavitt, G.W. Gatheri & H.T. Lumbsch: Phylogenetic studies uncover a predominantly African lineage in a widely distributed lichen-forming fungal species. *Myckeys* 14: 1-16 (2016).
451. Li, G. J., Hyde, K. D., Zhao, R. L., Hongsanan, S., Abdel-Aziz, F. A., Abdel-Wahab, M. A., Alvarado, P., Alves-Silva, G., Ammirati, J. F., Ariyawansa, H. A., Baghela, A., Bahkali, A. H., Beug, M., Bhat, D. J., Bojantchev, D., Boonpratuang, T., Bulgakov, T. S., Camporesi, E., Boro, M. C., Ceska, O., Chakraborty, D., Chen, J. J., Chethana, K. W. T., Chomnunti, P., Consiglio, G., Cui, B. K., Dai, D. Q., Dai, Y. C., Daranagama, D. A., Das, K., Dayarathne, M. C., De Crop, E., De Oliveira, R. J. V., de Souza, C. A. F., de Souza, J. I., Dentinger, B. T. M., Dissanayake, A. J., Doilom, M., Drechsler-Santos, E. R., Ghobad-Nejhad, M., Gilmore, S. P., Góes-Neto, A., Gorczak, M., Haitjema, C. H., Hapuarachchi, K. K., Hashimoto, A., He, M. Q., Henske, J. K., Hirayama, K., Iribarren, M. J., Jayasiri, S. C., Jayawardena, R. S., Jeon, S. J., Jerônimo, G. H., Jesus, A. L., Jones, E. B. G., Kang, J. C., Karunarathna, S. C., Kirk, P. M., Konta, S., Kuhnert, E., Langer, E., Lee, H. S., Lee, H. B., Li, W. J., Li, X. H., Liimatainen, K., Lima, D. X., Lin, C. G., Liu, J. K., Liu, X. Z., Liu, Z. Y., Luangsa-ard, J. J., Lücking, R., Lumbsch, H. T., Lumyong, S., Leñaño, E. M., Marano, A. V., Matsumura, M., McKenzie, E. H. C., Mongkolsamrit, S., Mortimer, P. E., Nguyen, T. T. T., Niskanen, T., Norphanphoun, C., O'Malley, M. A., Parnmen, S., Pawłowska, J., Perera, R. H., Phookamsak, R., Phukhamsakda, C., Pires-Zottarelli, C. L. A., Raspé, O., Reck, M. A., Rocha, S. C. O., de Santiago, A. L. C. M. A., Senanayake, I. C., Setti, L., Shang, Q. J., Singh, S. K., Sir, E. B., Solomon, K. V., Song, J., Srikitikulchai, P., Stadler, M., Suetrong, S., Takahashi, H., Takahashi, T., Tanaka, K., Tang, L. P., Thambugala, K. M., Thanakitpipattana, D., Theodorou, M. K., Thongbai, B.,

- Thummarukcharoen, T., Tian, Q., Tibpromma, S., Verbeke, A., Vizzini, A., Vlasák, J., Voigt, K., Wanasinghe, D. N., Wang, Y., Weerakoon, G., Wen, H. A., Wen, T. C., Wijayawardene, N. N., Wongkanoun, S., Wrzosek, M., Xiao, Y. P., Xu, J. C., Yan, J. Y., Yang, J., Da Yang, S., Hu, Y., Zhang, J. F., Zhao, J., Zhou, L. W., Peršoh, D., Phillips, A. J. L. & Maharachchikumbura, S. S. N. (2016) Fungal diversity notes 253–366: taxonomic and phylogenetic contributions to fungal taxa. *Fungal Diversity* online: 1-237 (2016).
452. Kirika, P.M., P.K. Divakar, A. Crespo, G.W. Gatheri, G. Mugamni, S.D. Leavitt, B. Moncada & H.T. Lumbsch: Molecular data show that *Hypotrachyna sorocheila* (Parmeliaceae) is not monophyletic. *Bryologist* 119: 172-180 (2016).
453. Nelsen, M.P., R. Lücking, M.E.S. Cáceres, A. Aptroot & H.T. Lumbsch: Attaining the phylogenetic disposition of Aspidotheliaceae (Ascomycota), an orphaned family of lichen-forming fungi. *Syst. Biodiv.* online (2016).
454. Del-Prado, R. P.K. Divakar, H.T. Lumbsch & A. Crespo: Hidden genetic diversity in an asexually reproducing lichen forming fungal group. *Plos One* 11(8): e0161031 (2016).
455. Lindgren, H., S.D. Leavitt & H.T. Lumbsch: Characterization of microsatellite markers in the cosmopolitan lichen-forming fungus *Rhizoplaca melanophthalma* (Lecanoraceae). *Myckeys* 14: 31-36 (2016).
456. Widhelm, T.J., R.S. Egan, F.R. Bertolotti, M.J. Asztalos, S.D. Leavitt & H.T. Lumbsch: Picking holes in traditional species delimitations: an integrative taxonomic reassessment of the *Parmotrema perforatum* group (Parmeliaceae, Ascomycota). *Bot. J. Linn. Soc.* 182: online (2016).
457. Leavitt, S.D., T.L. Esslinger, P.K. Divakar, A. Crespo & H.T. Lumbsch: Hidden diversity before our eyes: delimiting and describing cryptic lichen-forming fungal species in camouflage lichens (Parmeliaceae, Ascomycota). *Fung. Biol.* 120: 1374-1391 (2016).
458. Crespo, A., P.K. Divakar, S.D. Leavitt & H.T. Lumbsch: A synopsis on the generic classification of Parmeliaceae in Mexico in the light of molecular data. *Bibl. Lichenol.* 110: 55-66 (2016).
459. Wei, X.L., B. McCune, H.T. Lumbsch, H. Li, S.D. Leavitt, Y. Yamamoto, S. Tchabanenko, J. Wei: Limitations of species delimitation based on phylogenetic analyses: a case study in the *Hypogymnia hypotrypea* group (Parmeliaceae, Ascomycota). *PlosOne* 11(11): e0163664 (2016).
460. Kirika, P.M., P.K. Divakar, A. Crespo, S.D. Leavitt, G. Mugambi, G.W. Gatheri & H.T. Lumbsch: Polyphyly of the genus *Canoparmelia* - another example of incongruence between phenotype-based classification and molecular phylogeny within lichenized Ascomycota (Parmeliaceae). *Phytotaxa* 289: 36-48 (2016).
461. Lücking, R., M.P. Nelsen, A. Aptroot, M.N. Benatti, C. Gueidan, M.C. Gutiérrez, P. Jungbluth, H.T. Lumbsch, M.P. Marcelli, B. Moncada, K.B. Papong, N. Salazar-Allen & D.K. Upreti: A potpourri of new *Trypetheliaceae* resulting from phylogenetic studies. *Lichenologist* 48: 639-660 (2016).
462. Luangsaphabool, T., H.T. Lumbsch, A. Aptroot, J. Piapukiew & E. Sangvichien: Five new species and a new record of *Astrothelium* (Trypetheliaceae, Ascomycota) from Thailand. *Lichenologist* 48: 727-737 (2016).
463. Lücking, R., M.P. Nelsen, A. Aptroot, M.E.S. Cáceres, C. Gueidan, H.T. Lumbsch & E. Rivas Plata: A phylogenetic framework for reassessing generic concepts and species delimitation in the lichenized family Trypetheliaceae (Ascomycota: Dothideomycetes). *Lichenologist* 48: 739-762 (2016).
464. Leavitt, S.D., P.K. Divakar, A. Crespo & H.T. Lumbsch: A matter of time – understanding the limits of the power of molecular data for delimiting species boundaries. *Herzogia* 29: 479-492 (2016).

465. Lücking, R. A. Mangold & H.T. Lumbsch: A world-wide key to species of the genus *Myriotrema* and its allies (lichenized Ascomycota: Graphidaceae). *Herzogia* 29: 493-513 (2016).
466. Gasparyan, A., A. Aptroot, A.R. Burgaz, V. Otte, Z. Zakeri, V.J. Rico, E. Araujo, A. Crespo, P.K. Divakar & H.T. Lumbsch: Additions to the lichenized and lichenicolous mycobiota of Armenia. *Herzogia* 29: 692-705 (2016).
467. Naksuwankul, K., E. Kraichak, S. Parmen, R. Lücking, H.T. Lumbsch: Five new species of Graphidaceae (Ascomycota: Ostropales) from Thailand. *MycKeys* 17: 47-63 (2016).
468. Molina, M.C., P.K. Divakar, T. Goward, A.M. Millanes, L. Struwe, H.T. Lumbsch & A. Crespo: Neogene diversification in the temperate lichen-forming fungal genus *Parmelia* (Parmeliaceae, Ascomycota). *Syst. Biodiv.* 15: 166-181 (2017).
469. Zhao, X., S. Fernández-Brime, M. Wedin, M. Locke, S.D. Leavitt & H.T. Lumbsch: Using multi-locus sequence data for addressing species boundaries in commonly accepted lichen-forming fungal species. *Org. Div. Evol.* published online (2017).
470. Divakar, P.K., A. Crespo, E. Kraichak, S.D. Leavitt, G. Singh, I. Schmitt & H.T. Lumbsch: Using a temporal phylogenetic method to harmonize family- and genus-level classification in the largest clade of lichen-forming fungi. *Fungal Div.* online (2017).
471. Kirika, P.M., P.K. Divakar, S.D. Leavitt, K. Buuaruang, A. Crespo, G. Mugambi, G.W. Gatheri & H.T. Lumbsch: The genus *Relicinopsis* is nested within *Relicina* (Parmeliaceae, Ascomycota). *Lichenologist* 49: 189-197 (2017).
472. Sodamuk, M., K. Boonpragob, P. Mongkolsuk, A. Tehler, S.D. Leavitt & H.T. Lumbsch: *Kalbionora palaeotropica*, a new genus and species from coastal forests in Southeast Asia and Australia (Malmideaceae, Ascomycota). *Myckeys* 22: 15-25 (2017).
473. Medeiros, I.D., E. Kraichak, R. Lücking, A. Mangold & H.T. Lumbsch: Assembling a taxonomic monograph of tribe Wirthiotremateae (lichenized Ascomycota: Ostropales: Graphidaceae). *Fieldiana, Life & Earth Sci.* 9: 1-31 (2017).
474. Kraichak, E., A. Crespo, P.K. Divakar, S.D. Leavitt & H.T. Lumbsch: A temporal banding approach for consistent taxonomic ranking above the species level. *Sci. Rep.* 7: 2297 (2017).
475. Buuaruang, K., K. Boonpragob, P. Mongkolsuk, E. Sangvichien, K. Vongshewarat, W. Polyiam, A. Rangsiruji, W. Saipunkaew, K. Naksuwankul, J. Kalb, S. Parmen, E. Kraichak, P. Phraphuchamnon, S. Meesim, T. Luangsuphabool, P. Nirongbut, V. Poengsungnoen, N. Duangphui, M. Sodamuk, S. Phokaeo, M. Molsil, A. Aptroot, K. Kalb, R. Lücking & H.T. Lumbsch: A new checklist of lichenized fungi occurring in Thailand. *Myckeys* 23: 1-91 (2017).
476. Nuñez-Zapata, J., D. Alors, P. Cubas, P.K. Divakar, S.D. Leavitt, H.T. Lumbsch & A. Crespo: Understanding disjunct distribution patterns in lichen-forming fungi – insights from the genus *Parmelina* (Parmeliaceae, Ascomycota). *Bot. J. Linn. Soc.* 184: 238-253 (2017).

Books

- Feige, G.B. & H.T. Lumbsch, Hrsg. (1993) *Phytochemistry and Chemotaxonomy of Lichenized Ascomycetes - A Festschrift in Honour of Siegfried Huneck*. J. Cramer Verlag, Stuttgart.
- Lumbsch, H.T., P.M. McCarthy & W.M. Malcolm (2001) *Key to the genera of Australian lichens: apothecial crusts*. ABRS Govt. Printer, Canberra.
- Llimona, X., Lumbsch, H. T. & Ott, S., Hrsg. (2002) *Progress and Problems in Lichenology at the Turn of the Millenium*. Borntraeger, Stuttgart.

Papong, K., K. Boonpragob & H.T. Lumbsch (2011) The lichen family Lecanoraceae in Thailand. Bangkok.

Jaklitsch, W.M., H.O. Baral, R. Lücking & H.T. Lumbsch (2016). Ascomycota. *Syllabus of Plant Families - Adolf Engler's Syllabus der Pflanzenfamilien* (13 ed., Vol. 1/2, pp. 150). Stuttgart: Gebr. Borntraeger Verlagsbuchhandlung.

Contributions to books

1. Lumbsch, H.T.: Taxonomic use of metabolic data in lichen-forming fungi. pp. 345-387. In: "Chemical fungal taxonomy" (Hrsg.: Frisvad, P. et al.). M. Dekker, New York. (1998).
2. Lumbsch, H.T.: Analysis of phenolic products in lichens for identification and taxonomy. pp. 281-295. In: "Protocols in Lichenology" (Hrsg.: Kranner, I. et al.). Springer Verlag, Berlin (2001).
3. Lumbsch, H.T.: *Diploschistes* Norman. pp. 173-178. In: "Lichen flora of the greater Sonoran region" (Hrsg.: Nash, T.H.). Mycotaxon, Ithaca. (2001).
4. Lumbsch, H.T. & T.H. Nash: *Pertusaria* DC. pp. 341-357. In: "Lichen flora of the greater Sonoran region" (Hrsg.: Nash, T.H.). Mycotaxon, Ithaca. (2001).
5. Lumbsch, H.T. & I. Schmitt: RAPD-PCR of lichens. . pp. 411-421. In: "Protocols in Lichenology" (Hrsg.: Kranner, I. et al.). Springer Verlag, Berlin (2001).
6. Ott, S. & H.T. Lumbsch: Morphology and phylogeny of ascomycete lichens. In: "The Mycota. Volume IX" (Hrsg.: Hock, B.). Springer Verlag, Berlin. (2001).
7. Lumbsch, H.T.: Lecanoraceae. Flora of Australia. Volume 56A, Lichens 4: 11-62, 189-194 (2004).
8. Lumbsch, H.T. & J.A. Elix: *Lecanora*. Flora of Australia. Volume 56A, Lichens 4: 13-62, 189-194 (2004).
9. Lumbsch, H.T.: *Ingvariella*. pp. 136-137. In: Lichen Flora of the Greater Sonoran Desert Region, Vol. 2. (Hrsg.: Nash, T.H.). Mycotaxon, Ithaca. (2004).
10. Lumbsch, H.T. & C. Kainz: *Trapelia*. pp. 537-538. In: Lichen Flora of the Greater Sonoran Desert Region, Vol. 2. (Hrsg.: Nash, T.H.). Mycotaxon, Ithaca. (2004).
11. Mangold, A., J.A. Elix & H.T. Lumbsch: Thelotremataceae. Flora of Australia. Volume 57, Lichens 5: 195-420 (2009).
12. Roemer, J., T.H. Nash, H.T. Lumbsch & M.I. Messuti: *Ochrolechia*. pp. 381-387. In: Lichen Flora of the Greater Sonoran Desert Region, Vol. 2. (Hrsg.: Nash, T.H.). Mycotaxon, Ithaca. (2004).
13. Ryan, B.D., H.T. Lumbsch, M.I. Messuti, C. Printzen, L. Sliwa & T.H. Nash: *Lecanora* pp. 176-286. In: Lichen Flora of the Greater Sonoran Desert Region, Vol. 2. (Hrsg.: Nash, T.H.). Mycotaxon, Ithaca. (2004).
14. Lumbsch, H.T.: Recent Trends in Phylogeny and Classification of Lichen-forming Ascomycetes. In: Fungi: Multifaceted Microbes (Hrsg.: Ganguli, B.N. & Deshmukh, S.K.). Anamaya, New Delhi. (2007).
15. Mangold, A., J.A. Elix & H.T. Lumbsch: Thelotremataceae. Volume 57, Lichens 5: 195-420 (2009).
16. Crespo, A., P.K. Divakar & H.T. Lumbsch: Hongos. In: El arbol de la vida: sistematica y evolucion de los seres vivos (Hrsg.: Vargas, P. & Zardoya, R.). CSIC, Madrid (2012).
17. Leavitt, S.D., C.S. Moreau & H.T. Lumbsch: The Dynamic Discipline of Species Delimitation: Progress Toward Effectively Recognizing Species Boundaries in Natural Populations. In: Recent Advances in Lichenology. Modern methods and approaches in lichen systematics and culture techniques, vol. 2. (Eds.: Upreti, D.K., P.K. Divakar, V. Shukla & R. Bajpai). Springer, New Delhi (2015).

18. Leavitt, S.D. & H.T. Lumbsch: Ecological biogeography of lichen-forming fungi. In: Environmental and Microbial Relationships, 3rd edn., The Mycota IV (Eds.: Druzhina, I.S. & C.P. Kubicek). Springer, Switzerland (2016).
19. Lumbsch, H.T.: Diversification of Lichen-Forming Fungi. In: Kliman, R.M. (ed.), Encyclopedia of Evolutionary Biology. vol. 2, pp. 305–311. Oxford: Academic Press (2016).
20. Lumbsch, H.T. & J. Rikkinen: Evolution of lichens. In: The Fungal Community (Eds.: Dighton, J. & J.F. White), pp. 53-62. CRC Press, Boca Raton (2017)

Internet Publications

- Lücking, R., K. Kalb & H.T. Lumbsch: Checklist of names published in Thelotremataceae. http://www.fieldmuseum.org/research_collections/botany/botany_sites/thelotrema/Downloads/thelotrema_checklist.pdf
- Lumbsch, H.T. & I.M. Brodo: Preliminary key to *Lecanora* species likely to occur in New England. http://www.herbaria.harvard.edu/Data/Farlow/lichens/Lecanora_New_England.html (2000).
- Lumbsch, H.T. & R. Guderley: *Lecanora*. – In: LIAS: Global Information System for Lichenized and Non-Lichenized Ascomycetes. – Botanische Staatssammlung München: <http://dbsys.botanik.biologie.uni-muenchen.de/botsamml/lias/forms/lecanoraceae/index.html>. – München (1998).
- Lumbsch, H.T. & R. Guderley: Lumbsch, H.T. & R. Guderley: *Diploschistes*. – In: LIAS: Global Information System for Lichenized and Non-Lichenized Ascomycetes. – Botanische Staatssammlung München: <http://dbsys.botanik.biologie.uni-muenchen.de/botsamml/lias/forms/lraceae/index.html>. – München (1997).
- Lumbsch, H.T. & S. Huhndorf: Myconet. An electronic and printed journal devoted to the development of fungal classifications. <http://www.fieldmuseum.org/myconet/>

Popular articles

- Lumbsch, H.T.: Fortpflanzung und Vermehrung von Flechten. *Mikrokosmos* 68: 366-367 (1979).
- Lumbsch, H.T.: Nachweis von Amatoxinen der Pilze. *Mikrokosmos* 69: 340 (1980).
- Lumbsch, H.T.: Präparation pflanzlicher Riesenchromosomen. *Mikrokosmos* 75: 127-128 (1986).
- Lumbsch, H.T. & A. Mangold: The lichen family Thelotremataceae in Australia. *Biologie* (2004).
- Lumbsch, H.T. & N. Wirtz: The world is just enough for a lichen. *In the Field* (2005).
- Lumbsch, H.T.: Not a drop to drink. How plants survive waterless conditions by sticking together. *In The Field* (2009).
- Parnmen, S., A. Rangsiruji, P. Mongkolsuk, K. Boonpragob & H.T. Lumbsch: Cladoniaceae lichens of Thailand. Rapid Color Guides 253 (2009).
- Papong, K. & H.T. Lumbsch: Lecanoraceae lichens of Thailand. Rapid Color Guides 252 (2009).
- Rivas Plata, E., R. Lücking & H.T. Lumbsch: Microlichens of the World: Graphidaceae. Rapid Color Guides 260 (2009).

Convenor at international meetings

- 2017 Chair, Theme African Mycology/Lichenology, Association pour l'étude taxonomique de la flora d'Afrique tropicale (AETFAT) Conference, Nairobi (Kenya)

-
- 2016 Chair, Organizing Committee, International Association for Lichenology Conference (IAL7), Helsinki (Finland)
- 2014 International Mycological Congress IMC10, Bangkok (Thailand) – Symposium: Understanding the evolution of fungi in space and time
- 2012 Seventh IAL Symposium, Bangkok (Thailand) – Morphological adaptations
- 2011 International Botanical Congress IBC2011, Melbourne (Australia) – Symposium: New insights into the biogeography of fungi and lichens in the Southern Hemisphere
- 2010 International Mycological Congress IMC9, Edinburgh (UK) – Symposium: Ascomycete Systematics, Special Interest Symposium: Cryptic Species in lichenized fungi
- 2010 EOL Meeting “Parmeliaceae: Improving our understanding of taxonomy, classification and biogeography of the largest family of lichen-forming fungi”, Chicago (USA)
- 2008 Sixth IAL Symposium, Asilomar (USA) – Parmeliaceae Symposium
- 2007 ABLs Annual Meeting, Xalapa (Mexico) – Lichen Symposium.
- 2004 Fifth IAL Symposium, Tallinn (Estonia) – Workshop: Translation of phylogenetic analyses into classification.
- 1996 Third IAL Symposium, Salzburg (Austria) - Chemistry Section.
- 1995 IAB & IAL Symposium of Follicolous Cryptogams, Eger (Hungary) - Section Anatomy and Chemistry.

Council member in international societies

- 2013-2016: Member, Program Committee, Mycological Society of America (MSA)
- 2012-2016: President, International Association for Lichenology (IAL)
- 2008-2012: Vice President, International Association for Lichenology (IAL)
- 2006-2010: Member, Awards Committee, Mycological Society of America (MSA)
- 2001-2003: Council member „Gesellschaft für Mykologie und Lichenologie“ (GML)
- 2001-2006: Council member Ascomycete Systematics Group (Myconet)
- 1992-1996: Treasurer International Association for Lichenology (IAL)

Editor of international journals

Editor-in-Chief, Managing Editor:

Fieldiana, 2016-present

MycoKeys, 2011-present

Editorial Board:

Anales del Jardín Botánico de Madrid, 2004-2011

Australian Systematic Botany, 2009-present

Biogeographia, 2014-present

Fieldiana, Life and Earth Sciences, 2010-2015

Fungal Biology, 2003-2014

Fungal Diversity, 2008-2015

Mycology, 2010-2015

Nova Hedwigia, 2004-2015

Phytotaxa, 2009-2015

PLoS ONE, 2014-2016

Systematic Biology, 2008-present

Taxon, 2008-2015

Willdenowia, 2009-present